NM1-10-A

C-138

Date: 1998

Tierra Land Farm

. Box 1940
obs, NM 88241-1980
rict II (505) 748-1283
S. First
a, NM 88210
(505) 334-6178
) Rio Brazos Road
ec, NM 87410
t 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 3/15/95

Submit Orig:
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to appropria:
District Offic

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 98065

. RCRA Exempt: X Non-Exempt: DATE: 6-30-98

Verbal Approval Received: Yes X No By: D. FOUST

. Management Facility Destination

TIERRA ENVIRONMENTAL LANDFARM

. Address of Facility Operator

420 CR 3100 AZTEC NM 87410

. Location of Material (Street Address or ULSTR)

S-2, T-32N, R-9W LA PLATA C

4. Generator

RED - A - C VG

5. Originating Site

ARKANSAS LOO

6. Transporter

DAWN

8. State

COLORADO

. Check One

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

B. All requests for approval to accept non-exempt wastes must be accomanied 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.

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

RIEF DESCRIPTION OF THE MATERIAL: SOILS CONTAMINATED WITH WATER COAL FINES AND OIL FROM NATURAL GAS STREAM. NO RECOVERABLE HYDROCARBONS

RECEIVED
JUL 1 1998
OIL CON. DIV.
DIST. 3

stimated Volume 4 yd³ Known Volume (to be entered by the operator at end of haul): _____ yd³

NATURE _____ TITLE ENV. SPECIALIST DATE 6-30-98

PE OR PRINT NAME BLAINE WILLIAMS TELEPHONE NO. (505) 334-8894

(This space for State Use)

PROVED BY Denny G. Foust TITLE Geologist DATE 7/1/98

PROVED BY Erlene Bruce TITLE ? ? DATE 7/1/98

CERTIFICATE FROM OUT OF STATE AGENCY

AUTHORIZING REMOVAL OF RCRA EXEMPT OILFIELD WASTE

FROM THEIR JURISDICTION TO NEW MEXICO

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

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

_____ The material is exempt from regulation by characteristic analyses.

_____ The material is exempt from regulation by product identification.

THEREFORE:

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

NAME: Danny H. Breuninger TITLE: ~~Agency~~ Superintendent

SIGNATURE: _____ DATE: 6/17/98

AGENCY: Bureau of Indian Affairs

ADDRESS: PO Box 315, Ignacio, CO 81137

PHONE: (970) 563-4514

RECEIVED
JUL 1 1998
OIL CON. DIV.
DIST. 3

RECEIVED
JUL 1 1998
OIL CON. DIV.
DIST. 3

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Red Cedar Gathering Company 26266 Hwy. 160 Durango, Co 81301	Tierra Environmental Co Inc. Landfarm
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
Arkansas Loop Natural GaS Treating Facility, LaPlata County Section 2 of32N 9W Attach list of originating sites as appropriate	
4. Source and Description of Waste	
Contaminated soil due to upset and spill of water coal fines and oil from natural gas stream (soil is discolored with NO free oil)	

I, James H. Mayo representative for:
(Print Name)

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

XX **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): James H Mayo

Title: Manager Safety & Envirnmental

Date: June 10, 1998

··· (505) 393-6161
). Box 1940
obs, NM 88211-1980
rict II (505) 748-1283
| S. First
esia, NM 88210
(505) 334-6178
) Rio Brazos Road
ec, NM 87410
rict IV (505) 827-7131

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

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District Offic

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 98064

. RCRA Exempt: X Non-Exempt: DATE: 6/24/98 4. Generator

Verbal Approval Received Yes No By:

. Management Facility Destination 5. Originating Site

. Address of Facility Operator 6. Transporter

. Location of Material (Street Address or ULSTR) San Juan County 8. State

BCRZ

87401

.. Check One

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

B. All requests for approval to accept non-exempt wastes must be accomanied 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:

On line NGL Product Sweetening ~~Compound~~ Component
Black Granular Substance

RECEIVED
JUL 1 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 16 yd³ Known Volume (to be entered by the operator at end of haul): ______ yd³

SIGNATURE TITLE Environmental Specialist DATE 6-24-98

TYPE OR PRINT NAME Tim Nobis TELEPHONE NO. (505) 334-3894

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE

APPROVED BY Ernie Busch TITLE Geologist DATE 7/2/98

RECEIVED
JUL 1 1998
OIL CON. DIV.
DIST. 3

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Conoco Inc PO Box 217 (61 Road 4900) Bloomfield, NM 87413	Tierra Environmental Co. Inc 420 Rd 3100 Aztec, NM
3. Originating Site (name): EPFS Chaco Plant Attach list of originating sites as appropriate	**Location of the Waste (Street address &/or ULSTR):** Conoco Arrowhead Pump Station 948 CR 7100 Farmington, NM 87401
4. Source and Description of Waste On line NGL Product sweetening component black granular substance. The source is Conoco's final inlet filter within EPFS Chaco Plant	

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

✓ **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Don Lostak

Title: Field Technician

Date: 6-26-98

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

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District Offic

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 98062

1. RCRA Exempt: X Non-Exempt: DATE: 6-22-98 Verbal Approval Received: (Yes) No By: D. Foust	4. Generator PNM
2. Management Facility Destination Tierra Environmental landfarm	5. Originating Site City of Farmington #2E
3. Address of Facility Operator 420 C.R. 3100 Aztec, San Juan County, NM 87410	6. Transporter Philip Services
7. Location of Material (Street Address or ULSTR) Unit D Sec. 35, T-30N, R-13W San Juan Co.	8. State New Mexico

9. Check One

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

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

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

BRIEF DESCRIPTION OF THE MATERIAL:
Soils from Pit Remediation

RECEIVED
JUN 24 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 70 yd³ Known Volume (to be entered by the operator at end of haul): _____ yd³

SIGNATURE _____ TITLE Environmental Specialist DATE 6-22-98

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

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 6/25/98

APPROVED BY _____ TITLE _____ DATE _____

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
PNM Gas Services 603 W. Elm Farmington, NM 87401	Tierra Environmental Co, Inc. #20 C.R. 3100 Aztec, San Juan County, New Mexico 87410
3. Originating Site (name): City of Farmington #2E Attach list of originating sites as appropriate	**Location of the Waste (Street address &/or ULSTR):** Unit D Sec-35, T-30N, R-13W San Juan County, NM
4. Source and Description of Waste Soils from Pit Remediation	

I, Gary S. Cook (Print Name) representative for:

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

X **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Mary S. Cook

Title: Environmental Dept.

Date: 6/22/98

(505) 393-6161
Box 1940
bs, NM 88241-1980
(505) 748-1283
S. First
a, NM 88210
(505) 334-6178
) Rio Brazos Road
ec, NM 87410
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 2/1/8/05

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JUN 24 1998
OIL CON. DIV.
DIST. 3

Submit Origi
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District Offic

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 980

. RCRA Exempt: X Non-Exempt: DATE: 6-18-98

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

Management Facility Destination

Tierra Environmental Landfarm

Address of Facility Operator

420 CR 3100 Aztec NM 87410

. Location of Material (Street Address or ULSTR)

Val Verde Plant Bloomfield

4. Generator

Burlington Resources

5. Originating Site

Val Verde Plant

6. Transporter

Dawn Truckin

8. State

NM

Check One

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

B. All requests for approval to accept non-exempt wastes must be accomanied 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.

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

IEF DESCRIPTION OF THE MATERIAL: Amine Reclaimer Contaminated Soils

stimated Volume 30 yd³ Known Volume (to be entered by the operator at end of haul): 30 yd³

NATURE [signature] TITLE Env. Specialist DATE 6-18-98

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

(This space for State Use)

ROVED BY [signature] TITLE Geologist DATE 6/25/98

ROVED BY TITLE DATE

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Burlington Resources 3535 East 30 th Street Farmington NM 87401	Tierra Environmental
3. Originating Site (name):	**Location of the Waste (Street address /or ULSTR):**
Val Verde Plant	Val Verde Plant
4. Source and Description of Waste:	
AMINE RECLAIMER	

I, Blair King **representative for:**

Burlington Resources **do hereby certify that,**

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

☑ **EXEMPT oilfield waste**

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

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

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

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

Name (Original Signature): Blair King

Title: Operator Specialist

Date: Thursday, June 18, 1998

. Box 1940
bbs, NM 88241-1980
rict II (505) 748-1283
S. First
a, NM 88210
(505) 334-6178
00 Rio Brazos Road
ec, NM 87410
rict 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

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District Offic

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

. RCRA Exempt: X Non-Exempt: **DATE:** 6-16-98

Verbal Approval Received: (Yes) No By: D. Foust

. Management Facility Destination

T E ; I L F

Address of Facility Operator

4

. Location of Material (Street Address or ULSTR)

- T-

4. Generator

ice

5. Origin ing Site

#

6. Transporter

8. State

/

. Check One

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

B. All requests for approval to accept non-exempt wastes must be accomanied 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.

RIEF DESCRIPTION OF THE MATERIAL:

Sludges from Produced water at injection Facility

RECEIVED
JUN 24 1998
OIL CON. DIV.
DIST. 3

stimated Volume 750 ~~BY~~ BBLs Known Volume (to be entered by the operator at end of haul): 640 BBLs ~~YDS~~

NATURE [signature] TITLE Environmental Specialist DATE 6-16-98

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

(This space for State Use)

PROVED BY Denny G. Foust TITLE Geologist DATE 6/25/98

PROVED BY [signature] TITLE [signature] DATE [signature]

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Burlington Resources 3535 East 30 th Street Farmington NM 87401	Tierra Landfarm
3. Originating Site (name): Jillson SWD #1 **Unit:** F	**Location of the Waste (Street address /or ULSTR):** Jillson SWD #1 **Section:** 08 **Township:** 024N **Range:** 003W
4. Source and Description of Waste: Produced water from injection facility.	

I, Wayne Ritter **representative for:**

Burlington Resources **do hereby certify that,**

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

☑ **EXEMPT oilfield waste**

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

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

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

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

Name (Original Signature): Wayne Ritter

Title: Specialist

Date: Tuesday, June 16, 1998

. Box 1940
obs, NM 88241-1980
strict II (505) 748-1283
1 S. First
a, NM 88210
(505) 334-6178
00 Rio Brazos Road
ec, NM 87410
rict 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

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District Offic

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 98057

. RCRA Exempt: X Non-Exempt: DATE: 6-15-98

Verbal Approval Received: Yes X No By: T. Robinson

. Management Facility Destination
TIERRA ENVIRONMENTAL LANDFARM FACIL

. Address of Facility Operator
420 CR 3100 Aztec NM 87410

. Location of Material (Street Address or ULSTR)
VAL VERDE PLANT

4. Generator
BURLINGTON RESOURCES

5. Originating Site
VAL VERDE PLANT

6. Transporter
FREEMAN

8. State
NM

. Check One

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

B. All requests for approval to accept non-exempt wastes must be accomanied 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.

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

RIEF DESCRIPTION OF THE MATERIAL:
FILTERING AMINE

RECEIVED
JUN 24 1998
OIL CON. DIV.
DIST. 3

stimated Volume 8 yd³ Known Volume (to be entered by the operator at end of haul): _____ yd³

NATURE [signature] TITLE ENV. SPECIALIST DATE 6-15-98

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

(This space for State Use)

PROVED BY Denny G. Foust TITLE Geologist DATE 6/22/98

PROVED BY [signature] TITLE " DATE "

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Burlington Resources 3535 East 30 th Street Farmington NM 87401	Tierra Environmental
3. Originating Site (name):	**Location of the Waste (Street address /or ULSTR):**
Val Verde Plant	Val Verde Plant
4. Source and Description of Waste:	
FILTERING AMINE	

I, Bert Gardenhire **representative for:**

Burlington Resources **do hereby certify that,**

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

☑ **EXEMPT oilfield waste**

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

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

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

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

Name (Original Signature): Bert Gardenhire

Title: Maintenance Operator

Date: Monday, June 15, 1998

Box 1940
bbs, NM 88241-1980
rict II (505) 748-1283
S. First
a, NM 88210
(505) 334-6178
Rio Brazos Road
ec, NM 87410
t 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

Submit Orig:
Plus 1 Copy
to appropria:
District Offic

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 98057

. RCRA Exempt: X Non-Exempt: **DATE:** 6-13-98

Verbal Approval Received: Yes No By: D. Foust

. Management Facility Destination
Tierra Environmental Landfarm

. Address of Facility Operator
420 CR 3100 Aztec NM 87410

. Location of Material (Street Address or ULSTR)
17497 Hwy 172 Ignacio Co. 81137

4. Generator
Sunco Trucking

5. Originating Site
Ignacio Yard

6. Transporter
Sunco Rule

8. State
Colo

. Check One

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

B. All requests for approval to accept non-exempt wastes must be accomanied 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.

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

RIEF DESCRIPTION OF THE MATERIAL:

Tank Bottom sediments
From Daily operations

RECEIVED
JUN 24 1998
OIL CON. DIV.
DIST. 3

stimated Volume _____ yd³ Known Volume (to be entered by the operator at end of haul): _____ yd³

NATURE [signature] TITLE Env. Specialist DATE 6-13-98

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

(This space for State Use)

PROVED BY Denny Foust TITLE Geologist DATE 6/25/98

PROVED BY _____ TITLE _____ DATE _____

TIERRA ENVIRONMENTAL COMPANY Inc.

420 COUNTY ROAD 3100
AZTEC, NEW MEXICO 87410

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

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

RECEIVED
JUN 24 1998
OIL CON. DIV.
DIST. 3

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

I have reviewed the enclosed information concerning RCRA exempt material generated at;
Location: 17497 Hwy 172, Ignacio CO (Sunco Ignacio Yard)

by;
Generator: Sunco / Key Four Corners

As a representative of;

Regulatory Agency: Colorado Oil & Gas Comm.

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

Name: Loren Avis Title: EPS

Signature: Loren Avis Date: 6-16-98

Phone: 303-894-2100 ex 110 Fax: 303-894-2109

RECEIVED
JUN 24 1998
OIL CON. DIV.
DIST. 3

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
SUNCO TRUCKING	TIERRA LAND FARM
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
IGNACIO YARD	17497 - HWY 172 - IGNACIO, COLO
Attach list of originating sites as appropriate	
4. Source and Description of Waste	
TEMPORARY STORAGE TANK, TANK BOTTOM SEDIMENT FROM EXEMPT WELL LOCATIONS	

I, HAL STONE representative for:
(Print Name)

KEY FOUR CORNERS INC. DBA - BIG A WELL & SUNCO TRUCKING do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

X **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Hal Stone

Title: GENERAL MANAGER TRUCKING DIVISION

Date: 6-11-98

Box 1940
bs, NM 88241-1980
rict II (505) 748-1283
S. First
a, NM 88210
(505) 334-6178
) Rio Brazos Road
ec, NM 87410
t 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

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District Offic

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 98058

. RCRA Exempt: X Non-Exempt: **DATE:** 6-13-98

Verbal Approval Received: Yes No By: D. FOUST

. Management Facility Destination
TIERRA ENVIRONMENTAL LANDFARM

. Address of Facility Operator
420 CR 3100 Aztec NM 87410

. Location of Material (Street Address or ULSTR)
Hwy 527 And Rosa Rd Intersection

4. Generator
SUNCO TRUCKIN

5. Originating Site
Sims ARS

6. Transporter
SUNCO RIG

8. State
NM

. Check One

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

B. All requests for approval to accept non-exempt wastes must be accomanied 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.

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

RIEF DESCRIPTION OF THE MATERIAL:

RECEIVED
JUN 24 1998
OIL CON. DIV
DIST. 3

TANK Bottom Sediments From PRODUCED water TANK Resulting From DAily operations

stimated Volume _____ yd³ Known Volume (to be entered by the operator at end of haul): _____ yd³

NATURE Blaine Williams TITLE ENV. SPECIALIST DATE 6-13-98

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

(This space for State Use)

PROVED BY Denny G. Foust TITLE Geologist DATE 6/25/98

PROVED BY Ernie Busch TITLE " DATE "

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Sinco Trucking	TIERRA LAND FARM
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
Sims YARD	Intersection of Hwy 527 and Rosa Road
Attach list of originating sites as appropriate	
4. Source and Description of Waste	
Temporary storage tank, tank bottom sediment from exempt well locations	

I, Hal Stone (Print Name) representative for:

Key Four Corners Inc. DBA - Big A Well & Sinco Trucking do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

X **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Hal Stone

Title: General Manager Trucking Division

Date: 6-11-98

(505) 393-6161
Box 1940
os, NM 88241-1980
II (505) 748-1283
S. First
a, NM 88210
(505) 334-6178
Rio Brazos Road
ec, NM 87410
IV (505) 827-7131

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

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JUN 24 1998
OIL CON. DIV.
DIST. 3

Form C-138

Submit Original Plus 1 Copy to appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

O

RCRA Exempt: X Non-Exempt: DATE: 6-10-98

Verbal Approval Received: Yes X No By: Fous—

Management Facility Destination

Tierra Environmental Landfarm Facil

Address of Facility Operator

420 CR 3100 NM 87410

Location of Material (Street Address or ULSTR)

UNIT A S-17 T-30N -11W

4. Generator

Burlington Resources

5. Originating Site

Mon -mer #2

6. Transporter

8. State

New Mexico

Check One

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

B. All requests for approval to accept non-exempt wastes must be accomanied 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.

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

RIEF DESCRIPTION OF THE MATERIAL:

Oil contaminated soils from Blowdown pit and Drilling operations

nated Volume 15-20 yd³ Known Volume (to be entered by the operator at end of haul): ______ yd³

NATURE [signature] TITLE Environmental Specialist DATE 6-10-98

E OR PRINT NAME Blane Williams TELEPHONE NO. (505) 334-8894

(This space for State Use)

PROVED BY [signature] TITLE Geologist DATE 6/25/98

PROVED BY [signature] TITLE [illegible] DATE [illegible]

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Burlington Resources 3535 East 30 th Street Farmington NM 87401	Tierra
3. Originating Site (name): Montgomery #2 **Unit:** A	**Location of the Waste (Street address /or ULSTR):** Montgomery #2 **Section:** 17 **Township:** 030N **Range:** 011W
4. Source and Description of Waste: Oil contaminated soil from drilling operations on-site.	

I, Jeff Schoenbacher **representative for:**

Burlington Resources **do hereby certify that,**

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

☑ **EXEMPT oilfield waste**

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

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

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

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

Name (Original Signature): _____

Title: Environmental Representative

Date: Wednesday, June 10, 1998

Box 1940
bs, NM 88241-1980
rict II (505) 748-1283
S. First
a, NM 88210
(505) 334-6178
0 Rio Brazos Road
ec, NM 87410
rict IV (505) 827-7131

Form C-138

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Oil Conservation Division
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DIST. 3

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District Offic

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

RCRA Exempt: X Non-Exempt: DATE: 6-2-98

Verbal Approval Received: Yes No By: D. Foust

Management Facility Destination
TIERRA Environmental LANDFARM

Address of Facility Operator
420 CR 3100 Aztec NM 87410

Location of Material (Street Address or ULSTR)
S-34 T-30N R-12W Unit SW

4. Generator
Burlington

5. Originating Site
McGATH SWD #4

6. Transporter

8. State
NM

Check One

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

B. All requests for approval to accept non-exempt wastes must be accomanied 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.

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

RIEF DESCRIPTION OF THE MATERIAL:

Tank Bottoms and skimmer pit sludges

stimated Volume 1000 BBLS yd³ Known Volume (to be entered by the operator at end of haul): _____ yd³

NATURE Blaine Williams TITLE Environmental Specialist DATE 6-2-98

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

(This space for State Use)

PROVED BY Denny G. Foust TITLE Geologist DATE 6/25/98

PROVED BY Ernie Busch TITLE " DATE "

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Burlington Resources 3535 East 30 th Street Farmington NM 87401	Tierra
3. Originating Site (name): Mc Grath SWD #4	**Location of the Waste (Street address /or ULSTR):** Mc Grath SWD #4 **Unit:** SW **Section:** 34 **Township:** 30N **Range:** 12W
4. Source and Description of Waste: Tank & pit sludge	

I, Jim Mooring representative for:

Burlington Resources do hereby certify that,

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

☑ **EXEMPT oilfield waste**

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

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

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

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

Name (Original Signature): Jay L Mooring

Title: Specialist

Date: Monday, June 01, 1998

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-13

Submit Orig: Plus 1 Copy to appropria: District Offic

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

98050

1. RCRA Exempt: X Non-Exempt: **DATE:** 5-26-98 Verbal Approval Received: (Yes) No By: D. Foust	4. Generator PNM Gas Services
2. Management Facility Destination Tierra Environmental Land farm	5. Originating Site Wilmerding #1M
3. Address of Facility Operator 420 C.R. 3100 Aztec, San Juan County, NM 87410	6. Transporter Cruz Trucking
7. Location of Material (Street Address or ULSTR) Wilmerding #1M S-10, T-31N, 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 certificate of waste from the Generator: one certificate per job.

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

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

BRIEF DESCRIPTION OF THE MATERIAL:
Soils from Dehy pit.

RECEIVED
MAY 27 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 500 yd³ Known Volume (to be entered by the operator at end of haul): _____ yd³

SIGNATURE _____ TITLE Environmental Specialist DATE 5-26-98

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

(This space for State Use)

APPROVED BY _____ TITLE Geologist DATE 5/29/98

APPROVED BY _____ TITLE Geologist DATE 6/1/98

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
PNM GAS SERVICES	TIERRA Environmental Contr. LANDFARM
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
WILMERDING #1M	S-10 T-31N R13W
Attach list of originating sites as appropriate	
4. Source and Description of Waste	
Soils From Dehy pit	

I, Gary Cook (Print Name) representative for:

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

X **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Gary Cook

Title: Environmental Dept.

Date: 5/22/98

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-13
Originated 4/18/95

Submit Original
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to appropriat
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 98051 ~~96007~~

1. RCRA Exempt: X Non-Exempt: **DATE:** 5-26-98 Verbal Approval Received: Yes X No By: D. Foust	4. Generator Richardson Oper.
2. Management Facility Destination Tierra Environmental Landfarm	5. Originating Site See Attached
3. Address of Facility Operator 420 CR 3100 Aztec NM 87410	6. Transporter
7. Location of Material (Street Address or ULSTR) See Attached	8. State NM

9. Check One

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

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated soils from Derty pits.

RECEIVED
MAY 27 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 50-75 yd³ Known Volume (to be entered by the operator at end of haul): _____ yd³

SIGNATURE Blaine Williams TITLE Env. Specialist DATE 5-26-98

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

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 5/29/98

APPROVED BY Jerrie Brooks TITLE Geologist DATE 6/1/98

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Richardson Operating Company 1700 Lincoln, Suite 1700 Denver, CO 80203	Tierra Environmental Corp. 420 Road 3100 Aztec, New Mexico 87410

3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
See attached list Attach list of originating sites as appropriate	

4. Source and Description of Waste

Source: Separator production pit
Description: Oil stained soil

I, Cathleen Colby (Print Name) representative for:
Richardson Operating Company do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

_X_ **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Cathleen Colby

Title: Attorney-in-Fact

Date: May 21, 1998

Richardson Operating Company
Certificate of Waste Status
May 21, 1998

Federal 41-8 #2	30-045-28059	SW/4SW/4-Sec. 8-T28N-R8W
Federal 23-17 #1	30-045-28471	SW/4NE/4-Sec. 17-T28N-R8W
Federal 42-16 #2	30-045-28337	SE/4SW/4-Sec. 16-T28N-R8W
Federal 13-22 #1	30-045-28342	NW/4NE/4-Sec. 22-T28N-R8W
Federal 13-13 #1	30-045-28053	NW/4NE/4-Sec. 13-T28N-R8W
Federal 23-24 #1	30-045-28055	SW/4NE/4-Sec. 24-T28N-R8W
Federal 24-25 #1	30-045-28056	SE/4NE/4-Sec. 25-T28N-R8W

Rosa Anderson

District I (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II (505) 748-1283
811 S. First
Artesia, NM 88210
District III (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV (505) 827-7131

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

Form C-1

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MAY 22 1998
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Oil Conservation Division

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District Offi

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 98049

1. RCRA Exempt: X Non-Exempt: X DATE:	4. Generator
Verbal Approval Received: Yes (No) By:	Chemical Distributors Inc.
2. Management Facility Destination	5. Originating Site
Tierra Environmental Landfarm	Storage Yard
3. Address of Facility Operator	6. Transporter
420 C.R. 3100 Aztec, San Juan County, NM 87410	
7. Location of Material (Street Address or ULSTR)	8. State
3911 Monroe Rd. Farmington, San Juan County, NM 87401	New Mexico

9. Check One

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

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

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

BRIEF DESCRIPTION OF THE MATERIAL:
Solids from (K.C.L) Potassium Chloride Tanks
Solids from fertilizer Tank

RECEIVED
MAY 20 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 10 yd³ Known Volume (to be entered by the operator at end of haul): _____ yd³

SIGNATURE _____ TITLE Environmental Specialist DATE 5-15-98

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

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 5/20/98

APPROVED BY _____ TITLE Envir. Geologist DATE 5/29/98

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

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

Form C-1

Submit Ori
Plus 1 Copy
to appropri
District Offi

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 9804

1. RCRA Exempt: Non-Exempt: DATE:

Verbal Approval Received: Yes No By:

2. Management Facility Destination
Tierra Environmental Landfarm

3. Address of Facility Operator
420 C.R. 3100 Aztec, San Juan County, NM 87410

4. Generator

5. Originating Site
Storage Yard

6. Transporter

7. Location of Material (Street Address or ULSTR)
3911 Monroe Rd. Farmington, San Juan County, NM 87401

8. State
New Mexico

9. Check One

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

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

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

BRIEF DESCRIPTION OF THE MATERIAL:
Solids from (K.C.L.) Potassium Chloride Tanks
Solids from fertilizer Tank

RECEIVED
MAY 20 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 10 yd³ Known Volume (to be entered by the operator at end of haul): _____ yd³

SIGNATURE [signature] TITLE Environmental Specialist DATE 5-15-98

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

(This space for State Use)

APPROVED BY [signature] TITLE Geologist DATE 5/20/98

APPROVED BY _____ TITLE _____ DATE _____

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Chemical Distributors Inc 3911 Monroe Rd. Farmington N.M 87401	Tierra Environmental Co Inc 420 - County Rd 3100 Aztec N.M. 87410
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
Chemical Dist Inc. Farmington N.M. Attach list of originating sites as appropriate	3911 Monroe Rd. Farmington N.M 87401
4. Source and Description of Waste	
Solids from (K.C.L.) Potassium Chloride tanks Solids from fertilizer storage Tank	

I, Jered Hughes (Print Name) representative for:

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

___ **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Jerry Hughes

Title: Operations

Date: 5-13-98.

International
Lubrication and
Fuel Consultants Inc.
Creating the standards for industry

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

ILFC Laboratory Report

for

Tierra Environmental Co., Inc.
P.O. Drawer 15250
Farmington NM

Project No:	**Not Given**
Project Location:	Not Given
Sampler:	
Date Sampled:	10/8/97
Date Received:	10/10/97
Date Reported:	10/31/1997
Report #:	97152

aboratory Manager

ILFC Laboratory Report

Sample Date: 10/8/97 | Tierra Environmental Co., Inc. | CAI-1

Registered Date/Time: 10/16/1997 02:25:44 PM | Not Given

Batch # 97152 | Soil | ILFC # 10704

TCLP Metals analysis by ICP: EPA 6010

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

TCLP Volatile Organics: EPA Method 8260

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

TCLP Base Nuetrals: EPA Method 8270

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

TCLP Acids: EPA Method 8270

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

ILFC Laboratory Report

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

Corrosivity

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

Ignitability

IGNT (Celsius)
>60C

Reactive Cyanide: Method 9010

Reactive CN (mg/kg)
<0.025

Reactive Sulfide: Method 9030

Reactive SU (mg/kg)
<20

End of Analyses

TERRA
ENVIRONMENTAL
COMPANY Inc.
P.O. DRAWER 15250 FARMINGTON, NM 87401

505-334-8894

Date: 10-10-97

Page 1 of 1

97152

Purchase Order No.: | Job No.

INVOICE TO

Name: Tim Nobis
Company: Terra Environmental | Dept.
Address: P.O. Drawer 15250
City, State, Zip: Farm NM 87401

Sampling Location:

Sampler: Tim Nobis

REPORT RESULTS TO

Name | Title
Company
Mailing Address
City, State, Zip
Telephone No. | Telefax No.

ANALYSIS REQUESTED

SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	MATRIX	PRES.	Number of Containers	TCLP w/o H.	Corrosivity	Reactivity	Ignitability	LAB ID
CA—		130	Soil							-24

Relinquished by: Tim	Date/Time	Received	Date/Time 10 7 12:55 pm
Relinquished	Date/Time	Received	Date/Time 7 4:07
Relinquished	Date/Time	Received	Date/Time
Method of Shipment:		Rush 24-48 Hours 10 Working Days	Special Instructions:

Authorized by: ______ Date ______
(Client Signature Must Accompany Request)

Distribution: White – On Site Yellow – LAB Pink – Sampler Goldenrod – Client

MATERIAL SAFETY DATA SHEET Pot Ash

POTASH
CAUTION - MAY CAUSE SKIN AND EYE IRRITATION

MOAB SALT, Inc.
P.O. Box 1208
Moab, Utah (801) 259-771

TEXASGULF Inc.
3101 Glenwood Avenue
P.O. Box 30321
Raleigh, N.C. 27622-0321 (919) 881-2700

TRANSPORTATION EMERGENCIES: CALL (800) 424-9300 (CHEMTREC)
HEALTH EMERGENICES: CONTACT YOUR LOCAL POISON CENTER

PRODUCT INFORMATION

CHEMICAL NAME AND SYNONYMS
POTASSIUM CHLORIDE

TRADE NAME AND SYNONYMS
POTASH, POTASSIUM MURIATE, MURIATE OF POTASH

CHEMICAL FAMILY
INORGANIC SALT

FORMULA
KCl

CAS NUMBER
7447-40-7

Listed in: _____OSHA SUBPART Z _____ACGIH TLV LISTS; _____NTP LIST;

_____IARC MONOGRAPH; _____X_____NONE OF THE ABOVE

TYPICAL COMPOSITION	%
POTASSIUM CHLORIDE	96.8
SODIUM CHLORIDE	2.8 (CAS #7647-14-5)

PHYSICAL DATA

BOILING POINT (°F)	Sublines @ 2732	MELTING POINT (°F)	1423
VAPOR PRESSURE (mm Hg.)	N/A	SPECIFIC GRAVITY (H20-1)	1.98
VAPOR DENSITY (AIR-1)	N/A	PERCENT VOLATILE	N/A
SOLUBILITY IN WATER	25% @ 68°F	EVAPORATION RATE	N/A
APPEARANCE AND ODOR	White crystals or granules, odorless	OTHER	
pH	7 at 1%		

FIRE AND EXPLOSION HAZARD INFORMATION

FLASH POINT (METHOD USED)	NOT COMBUSTIBLE	FLAMMABLE LIMITS	LEL N/A
EXTINGUISHING MEDIA	N/A		UEL N/A
SPECIAL FIRE RIGHTING PROCEDURES	NONE		
UNUSUAL FIRE AND EXPLOSION HAZARDS	NONE		

HEATLH INFORMATION

THRESHOLD LIMIT VALUE: NONE ESTABLISHED. OHSA total nuisance dust limit of 15 mg/m³ and a respirable faction of 5 mg/m³. The ACGIH nuisance dust TLV of 10 mg/m³ for the 8 hour time weighted average applies.

EFFECTS OF OVEREXPOSURE EYE-[illegible]ant, SKIN-Slightly irritating. INHALATION-[illegible]tates tracheal and upper breathing passages. INGESTION-Large doses and cause G[illegible]ritation, purging, weakness and circulatory disturbances. Low toxicity. (Toxicity LDSO Rat=3020 mg/kg).

EMERGENCY AND FIRST AID PROCEDURES

EYE-Flush thoroughly with water. Seek medical attention if irritation persists.
SKIN-Wash thoroughly with soap and water.
INHALATION-Remove to fresh air. If discomfort continues, seek medical attention.
INGESTION-If person is conscious, give large amounts of water to drink and induce vomiting. Seek medical attention.

REACTIVITY DATA

STABILITY	[ ]	**UNSTABLE**	**CONDITIONS TO AVOID**	NONE
	[X]	**STABLE**		

INCOMPATABILITY (Materials to Avoid) Strong acids-can cause release of toxic chloride gasses.
HAZARDOUS DECOMPOSITION PRODUCTS None

HAZARDOUS POLYMERIZATION	[ ]	**May Occur**	**CONDITIONS TO AVOID**	NONE
	[X]	**Will Not Occur**		

SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Prevent large quantities from contact with water ways or vegetation.

WASTE DISPOSAL METHOD If uncontaminated, recover and reuse product. Consult State or Federal environmental regulatory agencies for acceptable disposal procedures and location.

PERSONAL PROTECTION INFORMATION

EYE-Tight fitting goggles should be worn in dusty areas.
SKIN-If irritation occurs, long sleeves and impervious gloves should be worn.
RESPIRATORY-A NIOSH-approved dust respirator should be used when exposure exceeds the OSHA standard of 15 mg/m^3.

SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING NONE

OTHER PRECAUTIONS Potash is mildly corrosive to steel when wet.

Although the information contained herein is offered in good faith, SUCH INFORMATION IS EXPRESSLY GIVEN WITHOUT ANY WARRANTY (EXPRESS OR IMPLIED) OR ANY GUARANTEE OF ITS ACURACY OR SUFFICIENCY and is taken at the user's sole risk. User is solely responsible for determining the suitability of use in each particular situation. Moab Salt specifically DISCLAIMS ANY LIABILITY WHATSOEVER FOR THE USE OF SUCH INFORMATION, including without limitation any recommendations which user may construe and attempt to apply which may infringe or violate valid patents, licenses and/or copyright.

District I (505) 393-6161
P.O. Box 1940

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

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

District IV (505) 827-7131

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

Form C-13

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District Off

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: X Non-Exempt: X **DATE:** 5-13-98 Verbal Approval Received: (Yes) No By: D. Foust	4. Generator Burlington Resources
2. Management Facility Destination Tierra Environmental Land Farm	5. Originating Site Lucerne A-2A
3. Address of Facility Operator 4/20 County Road 3100 Aztec, San Juan County, N.M. 87410	6. Transporter Philip Services
7. Location of Material (Street Address or ULSTR) Unit-P Sec-9, T-31N, R-10W San Juan County	8. State New Mexico

9. Check One

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

B. All requests for approval to accept non-exempt wastes must be accomanied by necessary chemical analyses to prove the material is non-hazardous and the Generators 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:
Pit Closure Work - Contaminated Material from pit closure

RECEIVED
MAY 20 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 300 yd³ Known Volume (to be entered by the operator at end of haul): _____ yd³

SIGNATURE _____ TITLE Environmental Specialist DATE 5-13-98

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

(This space for State Use)

APPROVED BY _____ TITLE Geologist DATE 5/20/98

APPROVED BY _____ TITLE Geologist DATE 5/20/98

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Burlington Resources 3535 East 30 th Street Farmington NM 87401	Tierra
3. Originating Site (name): Lucerne A 2A **Unit:** P	**Location of the Waste (Street address /or ULSTR):** Lucerne A 2A **Section:** 9 **Township:** 31N **Range:** 10W
4. Source and Description of Waste: Pit Closure Work	

I, Jeff Schoenbacher **representative for:**

Burlington Resources **do hereby certify that,**

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

☑ **EXEMPT oilfield waste**

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

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

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

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

Name (Original Signature): _____

Title: Environmental Rep.

Date: Tuesday, May 12, 1998

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-
Revised

Submit O
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District O

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

960(

1. RCRA Exempt: Non-Exempt: X DATE: Verbal Approval Received: Yes (No) By:	4. Generator Modern Iron Works
2. Management Facility Destination Tierra Environmental Landfarm	5. Originating Site Service Yard
3. Address of Facility Operator 4420 County Road 3100 Aztec, San Juan County, New Mexico 87410	6. Transporter
7. Location of Material (Street Address or ULSTR) 3101 East Bloomfield Hwy. Farmington, San Juan County, NM 87401	8. State New Mexico

9. Check One

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

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

Soil Contaminated with Used hydraulic oil

RECEIVED
MAY - 5 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 8 yd³ Known Volume (to be entered by the operator at end of haul): _____ yd³

SIGNATURE _____ TITLE Environmental Specialist DATE 5-4-98

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

(This space for State Use)

APPROVED BY _____ TITLE Geologist DATE 5/5/98

APPROVED BY _____ TITLE Env. Geologist DATE 5/5/98

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Modern Iron Works 3101 E. BLOOMFIELD HWY. FARMINGTON, N. MEX. 87401	Tierra Environmental Company, Inc. 420 County Road 3100 Aztec, San Juan County, NM 87410
3. Originating Site (name): Modern Iron Works Service Yard Attach list of originating sites as appropriate	**Location of the Waste (Street address &/or ULSTR):** 3101 E. Bloomfield, Hwy. Farmington, San Juan County, New Mexico 87401
4. Source and Description of Waste Soil Contaminated with Used hydraulic oil	

I, ROGER ENSOR PRES. representative for:
(Print Name)

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

___ **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Roger Ensor

Title: ROGER ENSOR PRESIDENT

Date: MAY 4, 1998 505-327-7355

Date Issued: 08-02-96
Supersedes: 12-08-95

TEXACO
MATERIAL SAFETY DATA SHEET
NOTE: Read and understand Material Safety Data Sheet before handling or disposing of product.

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MATERIAL IDENTITY
Product Code and Name:
01887 RANDO HD 32
Chemical Name and/or Family or Description:
Hydraulic Oils

Manufacturer's Name and Address:
TEXACO LUBRICANTS COMPANY
A DIVISION OF TEXACO REFINING AND MARKETING INC.
P.O. Box 4427
Houston, TX 77210-4427

Telephone Numbers:

Transportation Emergency	-Company	: (914) 831-3400
	CHEMTREC	: (800) 424-9300
Health Emergency	-Company	: (914) 831-3400
General MSDS Assistance		: (914) 838-7204
Technical Information	-Fuels	: (914) 838-7336
	-Chemical	: (512) 459-6543
	-Lubricant/Antifreezes	: (800) 782-7852
	-Additives	: (713) 236-6278
	-Solvents	: (800) 876-3738

2. COMPOSITION/INFORMATION ON INGREDIENTS

THE CRITERIA FOR LISTING COMPONENTS IN THE COMPOSITION SECTION IS AS FOLLOWS: CARCINOGENS ARE LISTED WHEN PRESENT AT 0.1 % OR GREATER; COMPONENTS WHICH ARE OTHERWISE HAZARDOUS ACCORDING TO OSHA ARE LISTED WHEN PRESENT AT 1.0 % OR GREATER; NON-HAZARDOUS COMPONENTS ARE LISTED AT 3.0 % OR GREATER. THIS IS NOT INTENDED TO BE A COMPLETE COMPOSITIONAL DISCLOSURE. REFER TO SECTION 14 FOR APPLICABLE STATES' RIGHT TO KNOW AND OTHER REGULATORY INFORMATION.

Product and/or Component(s) Carcinogenic According to:

OSHA	IARC	NTP	OTHER	NONE
-	-	-	-	X

Composition: (Sequence Number and Chemical Name)

Seq.	Chemical Name	CAS Number	Range in %
01	# Solvent-dewaxed heavy paraffinic petroleum distillates	64742-65-0	95.00-99.99

PRODUCT IS NON-HAZARDOUS ACCORDING TO OSHA (1910.1200).
COMPONENT, BY DEFINITION, IS CONSIDERED HAZARDOUS ACCORDING TO OSHA BECAUSE IT CARRIES THE PERMISSIBLE EXPOSURE LIMIT (PEL) FOR MINERAL OIL MIST.

Exposure Limits referenced by Sequence Number in the Composition Section

Seq.	Limit	
01	5	mg/m3 TWA-OSHA (MINERAL OIL MIST)
01	5	mg/m3 TWA-ACGIH (MINERAL OIL MIST)
01	10	mg/m3 STEL ACGIH (MINERAL OIL MIST)

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW
Appearance:
Pale liquid
Odor:
Petroleum oil odor

WARNING STATEMENT
NONE CONSIDERED NECESSARY

N.D. - NOT DETERMINED N.A. - NOT APPLICABLE N.T. - NOT TESTED
< - LESS THAN > - GREATER THAN

PRODUCT CODE: 01097 Date Issued: 05-02-96
NAME: RANDO HD 32 Supersedes: 12-08-95

3. HAZARD IDENTIFICATION (CONT)

HMIS			NFPA		
Health:	1	Reactivity: 0	Health:	1	Reactivity: 0
Flammability:	1	Special : -	Flammability:	1	Special : -

POTENTIAL HEALTH EFFECTS

	EYE	SKIN	INHALATION	INGESTION
Primary Route of Exposure:	X	X	X	-

EFFECTS OF OVEREXPOSURE

Acute:

Eyes:
May cause minimal irritation, experienced as temporary discomfort.

Skin:
Brief contact may cause slight irritation. Prolonged contact, as with clothing wetted with material, may cause more severe irritation and discomfort, seen as local redness and swelling.

Other than the potential skin irritation effects noted above, acute (short term) adverse effects are not expected from brief skin contact; see other effects, below, and Section 11 for information regarding potential long term effects.

Inhalation:
Vapors or mist, in excess of permissible concentrations, or in unusually high concentrations generated from spraying, heating the material or as from exposure in poorly ventilated areas or confined spaces, may cause irritation of the nose and throat, headache, nausea, and drowsiness.

Ingestion:
If more than several mouthfuls are swallowed, abdominal discomfort, nausea, and diarrhea may occur.

Contamination Properties:
Unknown.

Chronic:
No adverse effects have been documented in humans as a result of chronic exposure. Section 11 may contain applicable animal data.

Medical Conditions Aggravated by Exposure:
Because of its irritating properties, repeated skin contact may aggravate an existing dermatitis (skin condition).

Other Remarks:
Material from high pressure equipment, pinhole leaks, or high pressure line failure can penetrate the skin and, if not properly treated, can cause severe injury, including disfigurement, loss of function, or even require amputation of the affected area. To prevent such serious injury, immediate medical attention should be sought even if the injection injury appears to be minor.

4. FIRST AID MEASURES

Eyes:
Flush eyes with plenty of water for several minutes. Get medical attention if eye irritation persists.

Skin:
Wash skin with plenty of soap and water for several minutes. Get medical attention if skin irritation develops or persists.

Ingestion:
If more than several mouthfuls of this material are swallowed, give two glasses of water (16 oz.). Get medical attention.

Inhalation:
If irritation, headache, nausea, or drowsiness occurs, remove to fresh air. Get medical attention if breathing becomes difficult or respiratory irritation persists.

N.D. - NOT DETERMINED N.A. - NOT APPLICABLE N.T. - NOT TESTED
< - LESS THAN > - GREATER THAN

PRODUCT CODE: 01687 Date Issued: 08-02-96
NAME: RANGO HD 32 Supersedes: 12-08-95

4. FIRST AID MEASURES (CONT)

Other Instructions:
High pressure injection of material can cause severe injury. Failure to debride the wound of all residual material can result in disfigurement, loss of function, or may require amputation of the affected area.

Remove and dry-clean or launder clothing soaked or soiled with this material before reuse. Dry cleaning of contaminated clothing may be more effective than normal laundering. Inform individuals responsible for cleaning of potential hazards associated with handling contaminated clothing.

5. FIRE-FIGHTING MEASURES

Ignition Temperature - AIT (degrees F):
Not determined.
Flash Point (degrees F):
388 (COC)
Flammable Limits (%):
Lower: Not determined.
Upper: Not determined.

Recommended Fire Extinguishing Agents And Special Procedures:
Use water spray, dry chemical, foam, or carbon dioxide to extinguish flames. Use water spray to cool fire-exposed containers. Water or foam may cause frothing.

Unusual or Explosive Hazards:
None

Extinguishing Media Which Must Not Be Used:
Not determined.

Special Protective Equipment for Firefighters:
Wear full protective clothing and positive pressure breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES (Transportation Spills: CHEMTREC (800)424-9300)

Procedures in Case of Accidental Release, Breakage or Leakage:
Ventilate area. Avoid breathing vapor. Wear appropriate personal protective equipment, including appropriate respiratory protection. Contain spill if possible. Wipe up or absorb on suitable material and shovel up. Prevent entry into sewers and waterways. Avoid contact with skin, eyes or clothing.

7. HANDLING AND STORAGE

Precautions to be Taken in Handling:
Minimum feasible handling temperatures should be maintained.

Storage:
Periods of exposure to high temperatures should be minimized. Water contamination should be avoided.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Equipment (Type)
Eye/Face Protection:
Safety glasses, chemical type goggles, or face shield recommended to prevent eye contact.

Skin Protection:
Workers should wash exposed skin several times daily with soap and water. Soiled work clothing should be laundered or dry-cleaned.

N.D. - NOT DETERMINED N.A. - NOT APPLICABLE N.T. - NOT TESTED
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PRODUCT CODE: 01687
NAME: RANDO HD 32

Date Issued: 08-02-86
Supersedes: 12-08-95

8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONT)

Respiratory Protection:
Airborne concentrations should be kept to lowest levels possible. If vapor, mist or dust is generated and the occupational exposure limit of the product, or any component of the product, is exceeded, use appropriate [illegible] MSHA approved air purifying or air supplied respirator after determining the airborne concentration of the contaminant. Air supplied respirators should always be worn when airborne concentration of the contaminant or oxygen content is unknown.

Ventilation:
Adequate to meet component occupational exposure limits (see Section 2).

Exposure Limit for Total Product:
None established for product; refer to Section 2 for component exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:
Pale liquid

Odor:
Petroleum oil odor

Boiling Point (degrees F):
Not determined.

Melting/Freezing point (degrees F):
Not applicable.

Specific Gravity (water=1):
.8681

pH of undiluted product:
Not determined.

Vapor Pressure:
Not determined.

Viscosity:
[illegible] cSt at 40.0 C

VOC Content:
Not determined.

Vapor Density (air=1):
Not determined.

Solubility in Water (%):
Not determined.

Other: None

10. STABILITY AND REACTIVITY

This Material Reacts Violently With:
(If Others is checked below, see comments for details)

Air	Water	Heat	Strong Oxidizers	Others	None of These
_	_	_	X	_	_

Comments:
None

Products Evolved When Subjected to Heat or Combustion:
Toxic levels of carbon monoxide, carbon dioxide, irritating aldehydes and ketones.

Hazardous Polymerizations: DO NOT OCCUR

N.D. - NOT DETERMINED N.A. - NOT APPLICABLE N.T. - NOT TESTED
< - LESS THAN > - GREATER THAN

PRODUCT CODE: 01657
NAME: RANDO HD 32

Date Issued: 05-02-96
Supersedes: 12-08-95

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION(ANIMAL TOXICITY DATA)
Median Lethal Dose
Oral:
LD50 Similar product > 22.40 g/kg (rat) practically non-toxic
Inhalation:
Not determined.
Dermal:
LD50 Similar product > 2.00 g/kg (rabbit) practically non-toxic
Irritation Index, Estimation of Irritation (Species)
Skin:
(Draize) .79 /8.0 (rabbit) slightly irritating
Eyes:
(Draize) 8.00 /110 (rabbit) no appreciable effect
Sensitization:
Not determined.
Other:
None

12. DISPOSAL CONSIDERATIONS

Waste Disposal Methods
This product has been evaluated for RCRA characteristics and does not meet the criteria of a hazardous waste if discarded in its purchased form. Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is because product uses, transformations, mixtures, processes, etc. may render the resulting materials hazardous.

Remarks
None

13. TRANSPORT INFORMATION

Transportation
DOT:
Proper Shipping Name:
Not regulated

IMDG:
Proper Shipping Name:
Not evaluated

ICAO:
Proper Shipping Name:
Not evaluated

TDG:
Proper Shipping Name:
Not evaluated

14. REGULATORY INFORMATION

Federal Regulations:
SARA Title III:
Section 302/304 Extremely Hazardous Substances

Seq.	Chemical Name	CAS Number	Range in %
None			

Section 302/304 Extremely Hazardous Substances (CONT)

Seq.	TPQ	RQ
None		

Section 311 Hazardous Categorization:

Acute	Chronic	Fire	Pressure	Reactive	N/A
-	-	-	-	-	X

Section 313 Toxic Chemical

Chemical Name	CAS Number	Concentration
None		

N.D. - NOT DETERMINED N.A. - NOT APPLICABLE N.T. - NOT TESTED
< - LESS THAN > - GREATER THAN

PRODUCT CODE: 01687
NAME: RANDO HD 32

Date Issued: 06-02-98
Supersedes: 12-08-95

14. REGULATORY INFORMATION (CONT)

CERCLA 102(a)/DOT Hazardous Substances: (+ indicates DOT Hazardous Substance)

Seq.	Chemical Name	CAS Number	Range in %
None			

CERCLA/DOT Hazardous Substances (Sequence Numbers and RQ's):

Seq.	RQ
None	

TSCA Inventory Status:
This product, or its components, are listed on or are exempt from the Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

Other:
None.

State Regulations:
California Proposition 65:
The following detectable components of this product are substances, or belong to classes of substances, known to the State of California to cause cancer and/or reproductive toxicity.

Chemical Name	CAS Number
None	

States Right-to-know Regulations:

Chemical Name	State Right-to-know
None	

State list: CT (Connecticut), FL (Florida), IL (Illinois), MI (Michigan), LA (Louisiana), MA (Massachusetts), NJ (New Jersey), PA (Pennsylvania), RI (Rhode Island)

International Regulations:
Export Notification (TSCA-12b):
This product may be subject to export notification under TSCA section 12(b); contains:
2-Ethylhexanol

WHMIS Classification:
Not regulated

Canada Inventory Status:
This product, or its components, are listed on or are exempt from the Canadian Domestic Substance List (DSL).

EINECS Inventory Status:
Not determined.

Australia Inventory Status:
Not determined.

Japan Inventory Status:
Not determined.

15. ENVIRONMENTAL INFORMATION

Aquatic Toxicity:
Not determined.

Mobility:
Not determined.

Persistence and Biodegradability:
Not determined.

Potential to Bioaccumulate:
Not determined.

Remarks:
None

N.D. - NOT DETERMINED N.A. - NOT APPLICABLE N.T. - NOT TESTED
< - LESS THAN > - GREATER THAN

PRODUCT CODE: 01087
NAME: RANDO HD 32

Date Issued: 05-02-96
Supersedes: 12-08-95

16. OTHER INFORMATION

None

THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE. IT IS PROVIDED INDEPENDENTLY OF ANY SALE OF THE PRODUCT FOR PURPOSE OF HAZARD COMMUNICATION AS PART OF TEXACO'S PRODUCT SAFETY PROGRAM. IT IS NOT INTENDED TO CONSTITUTE PERFORMANCE INFORMATION CONCERNING THE PRODUCT. NO EXPRESS WARRANTY, OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE WITH RESPECT TO THE PRODUCT OR THE INFORMATION CONTAINED HEREIN. DATA SHEETS ARE AVAILABLE FOR ALL TEXACO PRODUCTS. YOU ARE URGED TO OBTAIN DATA SHEETS FOR ALL TEXACO PRODUCTS YOU BUY, PROCESS, USE OR DISTRIBUTE AND YOU ARE ENCOURAGED AND REQUESTED TO ADVISE THOSE WHO MAY COME IN CONTACT WITH SUCH PRODUCTS OF THE INFORMATION CONTAINED HEREIN.

TO DETERMINE APPLICABILITY OR EFFECT OF ANY LAW OR REGULATION WITH RESPECT TO THE PRODUCT, USER SHOULD CONSULT HIS LEGAL ADVISOR OR THE APPROPRIATE GOVERNMENT AGENCY. TEXACO DOES NOT UNDERTAKE TO FURNISH ADVICE ON SUCH MATTERS.

Since the last mailing for this customer code, the following sections have been revised:
2, 11, 14, 16, 17.

Date: 05-02-96 New X Revised, Supersedes: 12-08-95
Date printed: 06-18-96

Inquiries regarding MSDS should be directed to:
Texaco Inc.
Manager, Product Safety
P.O. Box 509
Beacon, N.Y. 12508

PLEASE SEE NEXT PAGE FOR PRODUCT LABEL

N.D. - NOT DETERMINED N.A. - NOT APPLICABLE N.T. - NOT TESTED
< - LESS THAN > - GREATER THAN

PRODUCT CODE: 01657 **Date Issued: 08-02-96**
NAME: RANDO HD 32 **Supersedes: 12-08-95**

17. PRODUCT LABEL

Label Date: 08-02-96

READ AND UNDERSTAND MATERIAL SAFETY DATA SHEET BEFORE HANDLING OR DISPOSING OF PRODUCT. THIS LABEL COMPLIES WITH THE REQUIREMENTS OF THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200) FOR USE IN THE WORKPLACE. THIS LABEL IS NOT INTENDED TO BE USED WITH PACKAGING INTENDED FOR SALE TO CONSUMERS AND MAY NOT CONFORM WITH THE REQUIREMENTS OF THE CONSUMER PRODUCT SAFETY ACT OR OTHER RELATED REGULATORY REQUIREMENTS.

01657 RANDO HD 32

WARNING STATEMENT

NONE CONSIDERED NECESSARY

PRECAUTIONARY MEASURES

-Avoid prolonged breathing of vapor, mist, or gas.
-Workers should wash exposed skin several times daily with soap and water.

FIRST AID

Eye Contact:
Flush eyes with plenty of water for several minutes. Get medical attention if eye irritation persists.

Skin Contact:
Wash skin with plenty of soap and water for several minutes. Get medical attention if skin irritation develops or persists.

Ingestion:
If more than several mouthfuls of this material are swallowed, give two glasses of water (16 oz.). Get medical attention.

Inhalation:
If irritation, headache, nausea, or drowsiness occurs, remove to fresh air. Get medical attention if breathing becomes difficult or respiratory irritation persists.

Note to Physician:
High pressure injection of material can cause severe injury. Failure to debride the wound of all residual material can result in disfigurement, loss of function, or may require amputation of the affected area.

FIRE

In case of fire, use water spray, dry chemical, foam or carbon dioxide. Water may cause frothing. Use water spray to cool fire-exposed containers.

Chemical Name	CAS Number	Range in %
# Solvent-dewaxed heavy paraffinic petroleum distillates	64742-65-0	95.00-99.99

PRODUCT IS NON-HAZARDOUS ACCORDING TO OSHA (1910.1200).
COMPONENT, BY DEFINITION, IS CONSIDERED HAZARDOUS ACCORDING TO OSHA BECAUSE IT CARRIES THE PERMISSIBLE EXPOSURE LIMIT (PEL) FOR MINERAL OIL MIST.

Pennsylvania Special Hazardous Substance(s)	CAS Number	Range in %
None		

HMIS			NFPA		
Health:	1	Reactivity: 0	Health:	1	Reactivity: 0
Flammability:	1	Special : -	Flammability:	1	Special : -

Transportation
DOT:
Proper Shipping Name:
Not regulated

CAUTION: Misuse of empty containers can be hazardous. Empty containers can be hazardous if used to store toxic, flammable, or reactive materials. Cutting or welding of empty containers might cause fire, explosion or toxic fumes from residues. Do not pressurize or expose to open flame or heat. Keep container closed and drum bungs in place.

N.D. - NOT DETERMINED N.A. - NOT APPLICABLE N.T. - NOT TESTED
< - LESS THAN > - GREATER THAN

PRODUCT CODE: 01667 Date Issued: 05-02-96
NAME: RANDO HD 32 Supersedes: 12-08-95

17. PRODUCT LABEL (CONT) Label Date: 05-02-96

Manufacturer's Name and Address:
TEXACO LUBRICANTS COMPANY
A DIVISION OF TEXACO REFINING AND MARKETING INC.
P.O. Box 4427
Houston, TX 77210-4427

TRANSPORTATION EMERGENCY Company: (914) 831-3400
CHEMTREC: (800) 424-9300

HEALTH EMERGENCY Company: (914) 831-3400

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-1
Originated 4/18/95

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

96007

1. RCRA Exempt: X Non-Exempt: **DATE:** 5-4-98 Verbal Approval Received: (Yes) No By: D. Foust	4. Generator Conoco NG&GP
2. Management Facility Destination Tierra Environmental Landfarm	5. Originating Site San Juan Gas Plant
3. Address of Facility Operator 4/20 County Road 3100 Aztec, San Juan County, NM 87410	6. Transporter Dawn Trucking
7. Location of Material (Street Address or ULSTR) 61 County Road 4900 Bloomfield, San Juan County, NM 87413	8. State New Mexico

9. Check One

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

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

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

BRIEF DESCRIPTION OF THE MATERIAL:
Sulfa Check System - H_2S treating / scrubbing liquid
Champion - Gas treat 102.

RECEIVED
MAY - 5 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 300 BBLS Known Volume (to be entered by the operator at end of haul): _____ yd³

SIGNATURE _____ TITLE Environmental Specialist DATE 5-4-98

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

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 5/5/98

APPROVED BY _____ TITLE Field Rep I DATE 5-5-98

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Conoco Inc.-NG&GP San Juan Gas Plant 61 CR 4900 Bloomfield, NM 87413	Tierra Environmental Co., Inc. Tierra Land Farm Facility 420 CR 3100 Aztec, San Juan County NM 87410
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
Same As Above (Generator) Attach list of originating sites as appropriate	
4. Source and Description of Waste	
Sulfa Check System - H2S treating/scrubbing liquid Champion - Gas Treat 102 For the month of May	

I, Richard R. Theander (Print Name) representative for:

Conoco, Inc. NG&GP, San Juan Gas Plant do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

xx EXEMPT oilfield waste

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

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

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

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

Name (Original Signature): Richard R. Theander

Title: Process Foreman

Date: 5-4-98

Actual loads to be recieved on 5-6-98

Champion Technologies, Inc.

GAS TREAT 102

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

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

WASTE DISPOSAL METHOD:
Contact an EPA or State Approved Disposal Facility.

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

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

Ventilation: Local Exhaust: Recommended General Exhaust: Recommended

Special: USE SCBA WHEN ENTERING TANKS

Protective Gloves: Chemically Resistant / Non-Slip

Eye Protection: Chemical Safety Goggles / Safety Glasses

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

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

SECTION 9 - SHIPPING DATA

Champion Label No: 45

Hazard Classification:	UN/NA No.:	Labels Required:	DOT ER Guide No.:
5.1	UN 3139	OXIDIZER	45

Proper Shipping Name/Description:
OXIDIZING SUBSTANCES, LIQUID, N.O.S.,5.1,UN 3139,PG II
(SODIUM NITRITE)

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

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

Champion Technologies, Inc.

GAS TREAT 102

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Chemical Stability: STABLE

Conditions To Avoid: OPEN FLAMES

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

Hazardous Decomposition/Byproducts: OXIDES OF CARBON & NITROGEN

Hazardous Polymerization: WILL NOT OCCUR

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

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

SECTION 6 - HEALTH HAZARDS

PRIMARY ROUTES OF ENTRY
Inhalation: X Absorption: X Ingestion: X Injection: NA

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

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

IF CONDITIONS PERSIST, SEEK MEDICAL ATTENTION.

Carcinogenicity? NO NTP? ND IARC Monograph? ND OSHA Regulated? NO

Champion Technologies, Inc.

127

MATERIAL SAFETY DATA SHEET

GAS TREAT 102

SECTION 1 - IDENTIFICATION IBM 40088

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

EMERGENCY TELEPHONE NUMBERS:
1-713-431-3561
1-800-424-9300 CHEMTREC

Trade Name: GAS TREAT 102
Chemical Family: INORGANIC SALTS
CAS No.: PROPRIETARY Prepared: 10/05/94 Prepared by: J. Schornick

---

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Component:	CAS No.	Wt. %	OSHA(PEL)
SODIUM NITRITE	7632-00-0	40	ND

§ Denotes a chemical subject to the reporting requirements of SARA Title III section 313 of 1986 and 40 CFR part 372. SARA Title III Hazard Categories: 1, 3

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

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

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

SECTION 4 - FIRE & EXPLOSION DATA

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

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

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

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

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

Submit O
Plus 1 Co
to appropr
District O

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

960

1. RCRA Exempt: Non-Exempt: X DATE: Verbal Approval Received: Yes (No) By:	4. Generator: Key Four Corners Inc.
2. Management Facility Destination: Tierra Environmental Landfarm	5. Originating Site: Simms Yard
3. Address of Facility Operator: 4420 County Road 3100 Aztec, San Juan County, NM 87410	6. Transporter: SONCO
7. Location of Material (Street Address or ULSTR): Rosa Road and Hwy 527 Rio Arriba County, New Mexico	8. State: New Mexico

9. Check One

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

(B.) All requests for approval to accept non-exempt wastes must be accomanied by necessary chemical analyses to prove the material is non-hazardous and the Generators certification of origin. No waste classified as hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF THE MATERIAL:
Contaminated Soil from Refueling Area.

RECEIVED
MAY - 5 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 100 yd³ Known Volume (to be entered by the operator at end of haul): _____ yd³

SIGNATURE _____ TITLE Environmental Specialist DATE 5-4-98

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

(This space for State Use)

APPROVED BY _____ TITLE Geologist DATE 5/5/98

APPROVED BY _____ TITLE Env. Geologist DATE 5/5/98

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Key Four Corners INC. 5651 US 64	TIERRA LAND FARM
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
SIMMS YARD Attach list of originating sites as appropriate	ROSA ROAD AND HIWAY 527
4. Source and Description of Waste	
CONTAMINATED SOIL FROM REFUELING AREA	

I, HAL STONE representative for:
(Print Name)

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

___ **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Hal Stone

Title: GENERAL MANAGER — TRUCKING DIVISION

Date: _____

GASC0220 **Revised 17-NOV-1995** **Printed 8-APR-1998**

No. 2 Diesel Fuel

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Material Identification

Corporate MSDS Number	DU007262
CAS Number	68476-34-6

 # Tradenames and Synonyms

Diesel Fuel No. 2, Low Sulfur
Diesel Fuel No. 2, High Sulfur

Company Identification

MANUFACTURER/DISTRIBUTOR
Conoco, Inc.
P.O. Box 2197
Houston, TX 77252

PHONE NUMBERS

Product Information	1-281-293-5550
Transport Emergency	CHEMTREC 1-800-424-9300
Medical Emergency	1-800-441-3637

COMPOSITION/INFORMATION ON INGREDIENTS

Components

Material	CAS Number	%
DIESEL FUEL, NO. 2	68476-34-6	100

HAZARDS IDENTIFICATION

Potential Health Effects

Primary Routes of Entry: Skin, inhalation

The product may cause irritation to the eyes, nose, throat, lungs, and skin after prolonged or repeated exposure. Extreme overexposure or aspiration into the lungs may cause lung damage or death. Overexposure may cause weakness, headache, nausea,

(Continued)

HAZARDS IDENTIFICATION (Continued)

confusion, blurred vision, drowsiness, and other nervous system effects; greater overexposure may cause dizziness, slurred speech, flushed face, unconsciousness, and convulsions.

Combustion Product - Carbon Monoxide:

Carbon monoxide decreases the ability of the blood to carry oxygen.

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

High exposures to carbon monoxide may cause heart irregularities.

Carbon monoxide may adversely affect the unborn babies of pregnant women.

Carcinogenicity Information

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

FIRST AID MEASURES

First Aid

INHALATION

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

SKIN CONTACT

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

EYE CONTACT

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

INGESTION

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

Notes to Physicians

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

(Continued)

FIRE FIGHTING MEASURES

Flammable Properties

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

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

NFPA Classification Class II Combustible Liquid.

Extinguishing Media

Water Spray, Foam, Dry Chemical, CO2.

Fire Fighting Instructions

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

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

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

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

ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

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

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

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

(Continued)

ACCIDENTAL RELEASE MEASURES(Continued)

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

Spill Clean Up
Soak up with sawdust, sand, oil dry or other absorbent material.

HANDLING AND STORAGE

Handling (Personnel)
Avoid breathing vapors or mist. Wash thoroughly after handling. Wash clothing after use.

Handling (Physical Aspects)
Ground container when pouring. Keep away from heat, sparks and flames. Close container after each use. Do not pressurize, cut, weld, braze, solder, grind, or drill on or near full or empty container. Empty container retains residue (liquid and/or vapor) and may explode in heat of fire.

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

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls
Use only with adequate ventilation. Keep container tightly closed.

Personal Protective Equipment
RESPIRATORY PROTECTION
Select appropriate NIOSH-approved respiratory protective equipment when exposed to sprays or mists. Select appropriate NIOSH-approved respiratory protection where necessary to maintain exposures below acceptable limits. Proper respirator selection should be determined by adequately trained personnel and based on the contaminant(s), the degree of potential exposure, and published respirator protection factors.

PROTECTIVE GLOVES
Should be worn when the potential exists for prolonged or repeated skin contact. NBR or neoprene recommended.

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

OTHER PROTECTIVE EQUIPMENT
Coveralls with long sleeves if splashing is probable.

(Continued)

EXPOSURE CONTROLS/PERSONAL PROTECTION(Continued)

Exposure Guidelines
Exposure Limits
No. 2 Diesel Fuel

PEL	(OSHA)	None Established
TLV	(ACGIH)	None Established

PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

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

*Color : Red or Undyed (Clear or Straw-Colored)

STABILITY AND REACTIVITY

Chemical Stability
Stable at normal temperatures and storage conditions.

Conditions to Avoid
Heat, sparks, and flames.

Incompatibility with Other Materials
Incompatible or can react with strong oxidizers.

Decomposition
Carbon monoxide may be formed from incomplete combustion.

Polymerization
Polymerization will not occur.

TOXICOLOGICAL INFORMATION

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

(Continued)

TOXICOLOGICAL INFORMATION(Continued)

tumors in mice exposed to high doses of chemicals is highly speculative and probably not a good indicator for predicting a potential human carcinogenic hazard.

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

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

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

Oral, rat	:	LD50 at 9 ml/kg
Dermal, rabbit	:	No mortality at 5 mL/kg
Dermal Irritation, rabbit	:	Extremely irritating
Eye Irritation, rabbit	:	Not irritating

ECOLOGICAL INFORMATION

Ecotoxicological Information
No specific aquatic data available for this product.

DISPOSAL CONSIDERATIONS

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

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

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

(Continued)

TRANSPORTATION INFORMATION

Shipping Information

DOT

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

ICAO/IMO

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

REGULATORY INFORMATION

U.S. Federal Regulations

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

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

SARA, TITLE III, 302/304
This material is not known to contain extremely hazardous substances.

TITLE III HAZARD CLASSIFICATIONS SECTIONS 311, 312

Acute	: Yes
Chronic	: Yes
Fire	: Yes
Reactivity	: No
Pressure	: No

SARA, TITLE III, 313
This material is not known to contain any chemical(s) at a level of 1.0% or greater (0.1% for carcinogens) on the list of Toxic Chemicals and subject to release reporting requirements.

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

RCRA
This material, when discarded or disposed of, is not specifically listed as a hazardous waste in Federal regulations; however, it

(Continued)

REGULATORY INFORMATION(Continued)

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

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

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

State Regulations (U.S.)

CALIFORNIA "PROP 65"
This material is not known to contain any ingredient(s) subject to the Act.

PENNSYLVANIA WORKER & COMMUNITY RIGHT TO KNOW ACT
This material may contain the following ingredient(s) subject to the Pennsylvania Worker and Community Right to Know Hazardous Substances List.

Ingredient	Diesel Fuel Oil
Category	Hazardous Substance.

Canadian Regulations

CLASS B Division 3 - Combustible Liquid.

CLASS D Division 2 Subdivision B - Toxic Material. Chronic Toxic Effects.

Transport/Medical Emergency Phone Number: 1-613-348-3616

OTHER INFORMATION

NFPA, NPCA-HMIS

NFPA Rating	
Health	0
Flammability	2
Reactivity	0

NPCA-HMIS Rating	
Health	1
Flammability	2
Reactivity	0

Personal Protection rating to be supplied by user depending on use conditions.

(Continued)

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

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

# Indicates updated section.

End of MSDS

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-1
Originated 4/18/

Submit Ori
Plus 1 Copy
to appropri
District Off

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

9600

1. RCRA Exempt: Non-Exempt: X DATE:
Verbal Approval Received: Yes (No) By:

2. Management Facility Destination
Tierra Environmental Landfarm

3. Address of Facility Operator
420 County Road 3100 Aztec, San Juan County, NM 87410

4. Generator
Key Four Corners Inc.

5. Originating Site
Sunco Pipeyard

6. Transporter
~~Sunco~~ Riley Ind.

7. Location of Material (Street Address or ULSTR)
3801 Southside River Rd Farmington, San Juan County, NM 87401

8. State
New Mexico

9. Check One

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

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

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

BRIEF DESCRIPTION OF THE MATERIAL:
Solids from Frac Tank Cleaning Process.

RECEIVED
APR 29 1998
OIL CON. DIV.
DIST. 3

Copy Left with Denny F 5/6/98

Estimated Volume 200 BBLS Known Volume (to be entered by the operator at end of haul): _____ yd³

SIGNATURE _____ TITLE Environmental Specialist DATE 4-28-98

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

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 4/29/98

APPROVED BY _____ TITLE Env. Geologist DATE 5/5/98

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Key Four Corners Inc. 5651 U.S. 64	TIERRA LAND FARM
3. Originating Site (name): SUNCO TRUCKING PIPEYARD (TANK CLEANING FACILITY) Attach list of originating sites as appropriate	**Location of the Waste (Street address &/or ULSTR):** 3801 SOUTHSIDE RIVER RD FARMINGTON
4. Source and Description of Waste SOLIDS FROM FRAC TANK CLEANING PROCESS	

I, HAL STONE (Print Name) representative for:

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

___ **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Hal Stone

Title: GENERAL MANAGER – TRUCKING DIVISION

Date: 4-27-98

Inter·Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

Michael Talovich
Sunco Trucking
708 S. Tucker
Farmington, NM 87401

April 3, 1998

Mr. Talovich:

Enclosed, please find the reports for the samples received by our laboratory for analysis on March 20, 1998.

If you have any questions about the results of these analyses, please don't hesitate to call me at your convenience.

We appreciate your business!

Sincerely,

Sharon Williams
Organics Lab Supervisor

Enclosures
xc: File

Inter·Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

CASE NARRATIVE

Date: April 3, 1998

Client: Sunco Trucking

Project: Pipe Yard Sample No. 0398G01388-1389 # Samples: 2

Dear Client:

The sample or samples were received for analysis at Inter-Mountain Laboratories (IML), Farmington, New Mexico. Enclosed are the results of these analyses.

Due to the nature of the sample matrix for the sludge sample, we were unable to obtain the recommended acceptable Cation/Anion Balance of 5%.

Analytical results were obtained by approved methods. Practical quantitation limits (PQL) were determined for each parameter for various matrices, and standard preparation dilutions. Quantitative results are reported on an "as received" basis for non-aqueous matrices.

If you have any question, please call me at our toll free number 1 (800) 828-1409.

John Green
Water Lab Supervisor
IML-Farmington, NM

Inter·Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

SUNCO TRUCKING

Case Narrative

On March 20, 1998, samples were submitted to Inter-Mountain Laboratories - Farmington for analysis. The samples were identified by project "Pipe Yard", and were analyzed for the parameters indicated on the accompanying Chain of Custody document #51988.

It is the policy of this laboratory to employ, whenever possible, preparatory and analytical methods which have been approved by regulatory agencies. The methods used in the analyses of the samples reported herein are found in Test Methods For Evaluation of Solid Waste, SW-846, USEPA, 1986, and Methods For Chemical Analysis of Water and Wastes, EPA-600/4-79-020, USEPA, 1983.

Quality control reports appear at the end of the analytical package and may be identified by title. If there are any questions regarding the information presented in this package, please feel free to call at your convenience.

Sincerely,

Sharon Williams
Organics Lab Supervisor

Inter-Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

Client: Sunco Trucking
Project: Pipe Yard
Sample ID: Pipe Yard
Lab ID: 0398G01389
Matrix: Sludge
Condition: Intact

Date Received: 03/20/98
Date Reported: 04/03/98
Date Sampled: 03/20/98
Time Sampled: 1500

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
PH	7.6	s.u.			0.1	EPA 150.1	03/20/98	1600	BJ
Electrical Conductivity	3,030	µmhos/cm			10	EPA 120.1	03/20/98	1600	AP
Solids - Total Dissolved	2,240	mg/L			10	EPA 160.1	03/26/98	1340	BJ
Solids - Total Dissolved (Calc)	1,540	mg/L			10	Calculation	04/03/98	1425	JG
Solids-Total	4,480	mg/L			10	EPA 160.3	03/27/98	0910	BJ
Alkalinity (CaCO3)	449	mg/L			1	EPA 310.1	03/24/98	0930	AP
Hardness (CaCO3)	399	mg/L			1	Calculation	04/03/98	1425	JG
Major Anions									
Bicarbonate (HCO3)	547	mg/L	8.97	meq/L	1	EPA 310.1	03/24/98	0930	AP
Carbonate (CO3)	<1	mg/L	<0.01	meq/L	1	EPA 310.1	03/24/98	0930	AP
Hydroxide (OH)	<1	mg/L	<0.01	meq/L	1	EPA 310.1	03/24/98	0930	AP
Chloride	140	mg/L	3.95	meq/L	1	EPA 300.0	03/26/98	0800	AP
Nitrogen - Nitrate/Nitrite	0.14	mg/L			0.05	EPA 353.2	03/24/98	1430	SH
Sulfate	414	mg/L	8.63	meq/L	5	EPA 300.0	03/26/98	0800	AP
Major Cations									
Calcium	134	mg/L	6.69	meq/L	0.2	EPA 200.7	03/26/98	0630	ST
Magnesium	15.6	mg/L	1.28	meq/L	0.2	EPA 200.7	03/26/98	0630	ST
Potassium	260	mg/L	6.65	meq/L	0.2	EPA 200.7	03/26/98	0630	ST
Sodium	309	mg/L	13.4	meq/L	0.2	EPA 200.7	03/26/98	0630	ST
Cation / Anion Balance QC Information									
Anion Sum			21.5	meq/L	0.01	Calculation			
Cation Sum			28.1	meq/L	0.01	Calculation			
Cation/Anion Balance			13.2	%	N/A	Calculation			

Reference: EPA - "Methods for Chemical Analysis of Water and Wastes", United States Environmental Protection Agency, EPA 600/4-79-020, Revised March, 1983.
EPA - "Methods for the Determination of Inorganic Substances in Environmental Samples", United States Environmental Protection Agency, EPA 600/R-93/100 August, 1983.

Reviewed By: _____

John Green, Water Lab Supervisor

Inter-Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

Client: Sunco Trucking
Project: Pipe Yard
Sample ID: Pipe Yard
Lab ID: 0398G01388
Matrix: Water
Condition: Intact

Date Received: 03/20/98
Date Reported: 04/03/98
Date Sampled: 03/20/98
Time Sampled: 1500

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
PH	7.2	s.u.			0.1	EPA 150.1	03/20/98	1600	BJ
Electrical Conductivity	720	µmhos/cm			10	EPA 120.1	03/20/98	1600	AP
Solids - Total Dissolved	430	mg/L			10	EPA 160.1	03/26/98	1340	BJ
Solids - Total Dissolved (Calc)	410	mg/L			10	Calculation	04/03/98	1425	JG
Solids-Total	540	mg/L			10	EPA 160.3	03/27/98	0910	BJ
Alkalinity (CaCO3)	101	mg/L			1	EPA 310.1	03/24/98	0930	AP
Hardness (CaCO3)	213	mg/L			1	Calculation	04/03/98	1425	JG
Major Anions									
Bicarbonate (HCO3)	123	mg/L	2.02	meq/L	1	EPA 310.1	03/24/98	0930	AP
Carbonate (CO3)	<1	mg/L	<0.01	meq/L	1	EPA 310.1	03/24/98	0930	AP
Hydroxide (OH)	<1	mg/L	<0.01	meq/L	1	EPA 310.1	03/24/98	0930	AP
Chloride	83	mg/L	2.33	meq/L	1	EPA 300.0	03/26/98	0800	AP
Nitrogen - Nitrate/Nitrite	0.14	mg/L			0.05	EPA 353.2	03/24/98	1430	SH
Sulfate	116	mg/L	2.42	meq/L	5	EPA 300.0	03/26/98	0800	AP
Major Cations									
Calcium	68.5	mg/L	3.42	meq/L	0.2	EPA 200.7	03/26/98	0630	ST
Magnesium	10.1	mg/L	0.83	meq/L	0.2	EPA 200.7	03/26/98	0630	ST
Potassium	21.9	mg/L	0.56	meq/L	0.2	EPA 200.7	03/26/98	0630	ST
Sodium	53.5	mg/L	2.33	meq/L	0.2	EPA 200.7	03/26/98	0630	ST
Cation / Anion Balance QC Information									
Anion Sum			6.77	meq/L	0.01	Calculation			
Cation Sum			7.14	meq/L	0.01	Calculation			
Cation/Anion Balance			2.66	%	N/A	Calculation			

Reference: EPA - "Methods for Chemical Analysis of Water and Wastes", United States Environmental Protection Agency, EPA 600/4-79-020, Revised March, 1983.
EPA - "Methods for the Determination of Inorganic Substances in Environmental Samples", United States Environmental Protection Agency, EPA 600/R-93/100 August, 1983.

Reviewed By: _____

John Green, Water Lab Supervisor

Inter-Mountain Laboratories, Inc.

1701 Phillips Circle
Gillette, Wyoming 82718

EPA METHOD 8010
PURGEABLE HALOCARBON COMPOUNDS

Client: **SUNCO TRUCKING**
Sample ID: Pipe Yard
Project ID: Pipe Yard
Lab ID: B981209
Matrix: Water

Date Reported: 04/02/98
Date Sampled: 03/20/98
Date Received: 03/24/98
Date Extracted: NA
Date Analyzed: 03/31/98

Parameter	Result	PQL	Units
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
1,1-Dichloroethene	ND	5.0	ug/L
1,2-Dichlorobenzene	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
1,3-Dichlorobenzene	ND	5.0	ug/L
1,4-Dichlorobenzene	ND	5.0	ug/L
1-Chlorohexane	ND	5.0	ug/L
2-Chloroethylvinyl ether	ND	5.0	ug/L
Benzyl chloride	ND	5.0	ug/L
bis(2-Chloroethoxy)methane	ND	5.0	ug/L
bis(2-Chloroisopropyl)ether	ND	5.0	ug/L
Bromobenzene	ND	5.0	ug/L
Bromodichloromethane	5.3	5.0	ug/L
Bromoform	8.4	5.0	ug/L
Bromomethane	ND	5.0	ug/L
Carbon Tetrachloride	ND	5.0	ug/L
Chloroacetaldehyde	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Chloroethane	ND	5.0	ug/L
Chloroform	ND	5.0	ug/L
Chloromethane	ND	5.0	ug/L
Chloromethylmethyl ether	ND	5.0	ug/L
Chlorotoluene	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
Dibromochloromethane	ND	5.0	ug/L
Dibromomethane	ND	5.0	ug/L
Dichlorodifluoromethane	ND	5.0	ug/L
Methylene chloride	ND	5.0	ug/L
Tetrachloroethene (PCE)	ND	5.0	ug/L

Reference: Method 8010, Halogenated Volatile Organics, Test Methods For Evaluating Solid Waste, SW-46, United States Environmental Protection Agency, September 1986.

Analyst _____ **Reviewed** _____

Inter·Mountain Laboratories, Inc.
1701 Phillips Circle
Gillette, Wyoming 82718

EPA METHOD 8010
PURGEABLE HALOCARBON COMPOUNDS

Client: **SUNCO TRUCKING**
Sample ID: Pipe Yard
Project ID: Pipe Yard
Lab ID: B981209
Matrix: Water

Date Reported: 04/02/98
Date Sampled: 03/20/98
Date Received: 03/24/98
Date Extracted: NA
Date Analyzed: 03/31/98

trans-1,2-Dichloroethene	ND	5.0	ug/L
trans-1,3-Dichloropropene	ND	5.0	ug/L
Trichloroethene (TCE)	ND	5.0	ug/L
Trichlorofluoromethane	ND	5.0	ug/L
Trichloropropane	ND	5.0	ug/L
Vinyl Chloride	ND	5.0	ug/L

ND - Not Detected at Practical Quantitation Level (PQL)

Reference: Method 8010, Halogenated Volatile Organics, Test Methods For Evaluating Solid Waste, SW-46, United States Environmental Protection Agency, September 1986.

Analyst _____ **Reviewed** _____

Inter·Mountain Laboratories, Inc.

1701 Phillips Circle
Gillette, Wyoming 82718

EPA METHOD 8010
PURGEABLE HALOCARBON COMPOUNDS

Client: **SUNCO TRUCKING**
Sample ID: Pipe Yard
Project ID: Pipe Yard
Lab ID: B981210
Matrix: Sludge

Date Reported: 04/02/98
Date Sampled: 03/20/98
Date Received: 03/24/98
Date Extracted: 04/01/98
Date Analyzed: 04/01/98

Parameter	Result	PQL	Units
1,1,1,2-Tetrachloroethane	ND	1.5	mg/kg
1,1,1-Trichloroethane	ND	1.5	mg/kg
1,1,2,2-Tetrachloroethane	ND	1.5	mg/kg
1,1,2-Trichloroethane	ND	1.5	mg/kg
1,1-Dichloroethane	ND	1.5	mg/kg
1,1-Dichloroethene	ND	1.5	mg/kg
1,2-Dichlorobenzene	ND	1.5	mg/kg
1,2-Dichloroethane	ND	1.5	mg/kg
1,2-Dichloropropane	ND	1.5	mg/kg
1,3-Dichlorobenzene	ND	1.5	mg/kg
1,4-Dichlorobenzene	ND	1.5	mg/kg
1-Chlorohexane	ND	1.5	mg/kg
2-Chloroethylvinyl ether	ND	1.5	mg/kg
Benzyl chloride	ND	1.5	mg/kg
bis(2-Chloroethoxy)methane	ND	1.5	mg/kg
bis(2-Chloroisopropyl)ether	ND	1.5	mg/kg
Bromobenzene	ND	1.5	mg/kg
Bromodichloromethane	ND	1.5	mg/kg
Bromoform	ND	1.5	mg/kg
Bromomethane	ND	1.5	mg/kg
Carbon Tetrachloride	ND	1.5	mg/kg
Chloroacetaldehyde	ND	1.5	mg/kg
Chlorobenzene	ND	1.5	mg/kg
Chloroethane	ND	1.5	mg/kg
Chloroform	ND	1.5	mg/kg
Chloromethane	ND	1.5	mg/kg
Chloromethylmethyl ether	ND	1.5	mg/kg
Chlorotoluene	ND	1.5	mg/kg
cis-1,3-Dichloropropene	ND	1.5	mg/kg
Dibromochloromethane	ND	1.5	mg/kg
Dibromomethane	ND	1.5	mg/kg
Dichlorodifluoromethane	ND	1.5	mg/kg
Methylene chloride	ND	1.5	mg/kg
Tetrachloroethene (PCE)	ND	1.5	mg/kg

Reference: Method 8010, Halogenated Volatile Organics, Test Methods For Evaluating Solid Waste, SW-46, United States Environmental Protection Agency, September 1986.

Analyst _____ **Reviewed** _____

Inter·Mountain Laboratories, Inc.

1701 Phillips Circle
Gillette, Wyoming 82718

EPA METHOD 8010
PURGEABLE HALOCARBON COMPOUNDS

Client: **SUNCO TRUCKING**
Sample ID: Pipe Yard
Project ID: Pipe Yard
Lab ID: B981210
Matrix: Sludge

Date Reported: 04/02/98
Date Sampled: 03/20/98
Date Received: 03/24/98
Date Extracted: 04/01/98
Date Analyzed: 04/01/98

trans-1,2-Dichloroethene	ND	1.5	mg/kg
trans-1,3-Dichloropropene	ND	1.5	mg/kg
Trichloroethene (TCE)	ND	1.5	mg/kg
Trichlorofluoromethane	ND	1.5	mg/kg
Trichloropropane	ND	1.5	mg/kg
Vinyl Chloride	ND	1.5	mg/kg

ND - Not Detected at Practical Quantitation Level (PQL)

Reference: Method 8010, Halogenated Volatile Organics, Test Methods For Evaluating Solid Waste, SW-46, United States Environmental Protection Agency, September 1986.

Analyst _____ **Reviewed** _____

Inter-Mountain Laboratories, In

2506 W. Main Street
Farmington, New Mexico 87401

VOLATILE AROMATIC HYDROCARBONS

Client:	Sunco Trucking		
Project ID:	Pipe Yard	Report Date:	03/31/98
Sample ID:	Pipe Yard	Date Sampled:	03/20/98
Lab ID:	0398G01388	Date Received:	03/20/98
Sample Matrix:	Water	Date Extracted:	NA
Condition:	Cool/Intact	Date Analyzed:	03/30/98

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	55	1.0
Toluene	422	1.0
Chlorobenzene	ND	1.0
Ethylbenzene	163	1.0
m,p-Xylenes	665	1.0
o-Xylene	199	1.0
1,3-Dichlorobenzene	4.87	1.0
1,4-Dichlorobenzene	22	1.0
1,2-Dichlorobenzene	15.8	1.0

ND - Analyte not detected at the stated detection limit.

Quality Control:

Surrogate	Percent Recovery	Acceptance Limits
Bromofluorobenzene	106.0%	70 -130%

Reference: Method 5030, Purge and Trap; Method 602, Purgeable Aromatics; Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater, USEPA, October 1984.

Comments:

Analyst

Review

Inter·Mountain Laboratories, I

2506 W. Main Street
Farmington, New Mexico 87401

TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL CONCENTRATION

Client:	**Sunco Trucking**		
Project:	Pipeyard	Date Reported:	03/30/98
Sample ID:	Pipeyard	Date Sampled:	03/20/98
Laboratory ID:	0398G01388	Date Received:	03/20/98
Sample Matrix:	Water	Date Analyzed:	03/28/98

Parameter	Result	Detection Limit	Regulatory Level	Units
Arsenic.....	<0.005	0.005	5	mg/L
Barium.....	0.24	0.01	100	mg/L
Cadmium.....	<0.004	0.004	1	mg/L
Chromium.....	<0.01	0.01	5	mg/L
Lead.....	<0.05	0.05	5	mg/L
Mercury.....	<0.001	0.001	0.2	mg/L
Selenium.....	<0.005	0.005	1	mg/L
Silver.....	<0.01	0.01	5	mg/L

ND- Analyte not detected at stated detection level.

References: Method 1311: Toxicity Characteristic Leaching Procedure, SW-846, Rev. 0, July 1992.

Method 3010A: Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, Rev. 1, July 1992.

Comments:

Reported By: _____ Reviewed: _____

Inter·Mountain Laboratories, Ir

2506 W. Main Street
Farmington, New Mexico 87401

TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL CONCENTRATION

Client:	**Sunco Trucking**		
Project:	Pipeyard	Date Reported:	03/30/98
Sample ID:	Pipeyard	Date Sampled:	03/20/98
Laboratory ID:	0398G01389	Date Received:	03/20/98
Sample Matrix:	Sludge	Date Analyzed:	03/28/98

Parameter	Result	Detection Limit	Regulatory Level	Units
Arsenic	0.005	0.005	5	mg/L
Barium	6.94	0.01	100	mg/L
Cadmium	<0.004	0.004	1	mg/L
Chromium	0.01	0.01	5	mg/L
Lead	<0.05	0.05	5	mg/L
Mercury	<0.001	0.001	0.2	mg/L
Selenium	<0.005	0.005	1	mg/L
Silver	<0.01	0.01	5	mg/L

ND- Analyte not detected at stated detection level.

References: Method 1311: Toxicity Characteristic Leaching Procedure, SW-846, Rev. 0, July 1992.

Method 3010A: Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, Rev. 1, July 1992.

Comments:

Reported By: _____ Reviewed: _____

Inter·Mountain Laboratories, Ir

2506 W. Main Street
Farmington, New Mexico 87401

Quality Control / Quality Assurance

Spike Analysis / Blank Analysis

TOXICITY CHARACTERISTIC LEACHING PROCEDURE

Client:	**Sunco Trucking**	Date Reported:	03/30/98
Project:	Pipeyard	Date Analyzed:	03/28/98
Sample Matrix:	Extract	Date Received:	03/20/98

Spike Analysis

Parameter	Spike Result (mg/L)	Sample Result (mg/L)	Spike Added (mg/L)	Percent Recovery
Arsenic	0.029	0.00	0.025	**104%**
Barium	2.63	1.55	1.00	**108%**
Cadmium	1.020	<0.004	1.000	**102%**
Chromium	1.08	<0.01	1.00	**108%**
Lead	0.92	<0.05	1.00	**92%**
Mercury	0.005	<0.001	0.005	**104%**
Selenium	0.023	<0.005	0.025	**92%**
Silver	N/A	N/A	N/A	**N/A**

Method Blank Analysis

Parameter	Result	Detection Limit	Units
Arsenic	**ND**	0.005	mg/L
Barium	**ND**	0.01	mg/L
Cadmium	**ND**	0.004	mg/L
Chromium	**ND**	0.01	mg/L
Lead	**ND**	0.05	mg/L
Mercury	**ND**	0.001	mg/L
Selenium	**ND**	0.005	mg/L
Silver	**ND**	0.01	mg/L

References: Method 1311: Toxicity Characteristic Leaching Procedure, SW-846, Rev. 0, July 1992.

Method 3010A: Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, Rev. 1, July 1992.

Comments: N/A=Data not available.

Reported by _____ Reviewed by _____

Inter-Mountain Laboratories, I

2506 W. Main Street
Farmington, New Mexico 87401

Quality Control / Quality Assurance

Known Analysis

TOXICITY CHARACTERISTIC LEACHING PROCEDURE

Client:	**Sunco Trucking**	Date Reported:	03/30/98
Project:	Pipeyard	Date Analyzed:	03/28/98
Sample Matrix:	Extract	Date Received:	03/20/98

Known Analysis

Parameter	Found Result	Known Result	Percent Recovery	Units
Arsenic	0.011	0.010	**110%**	mg/L
Barium	0.95	1.00	**95%**	mg/L
Cadmium	1.040	1.000	**104%**	mg/L
Chromium	1.05	1.00	**105%**	mg/L
Lead	0.95	1.00	**95%**	mg/L
Mercury	0.004	0.004	**100%**	mg/L
Selenium	0.010	0.010	**100%**	mg/L
Silver	2.05	2.00	**103%**	mg/L

References:

Method 1311: Toxicity Characteristic Leaching Procedure, SW-846, Rev. 0, July 1992.

Method 3010A: Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, Rev. 1, July 1992.

Comments:

Reported by _____

Reviewed by _____

Inter-Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

Quality Control / Quality Assurance

Known Analysis
Purgeable Aromatics

Client: **Sunco Trucking**
Project: Pipe Yard

Date Reported: 03/31/98
Date Analyzed: 03/30/98

Known Analysis

Parameter	Found Result (ppb)	Known Result (ppb)	Percent Recovery	Acceptance Limits
Benzene	19.3	20.0	**97%**	70-130%
Toluene	19.6	20.0	**98%**	70-130%
Chlorobenzene	19.6	20.0	**98%**	70-130%
Ethylbenzene	19.7	20.0	**99%**	70-130%
m+p-Xylene	40.7	40.0	**102%**	70-130%
o-Xylene	20.1	20.0	**100%**	70-130%
1,3-Dichlorobenzene	20.2	20.0	**101%**	70-130%
1,4-Dichlorobenzene	20.7	20.0	**104%**	70-130%
1,2-Dichlorobenzene	20.3	20.0	**102%**	70-130%

Quality Control: Surrogate	Percent Recovery	Acceptance Limits
Bromofluorobenzene	101.3%	70-130%

Reference: Method 5030, Purge and Trap; Method 602, Purgeable Aromatics; Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater, USEPA, October 1984.

Comments:

Analyst _____

Reviewed by _____

Inter·Mountain Laboratories, Inc
2506 W. Main Street
Farmington, New Mexico 87401

VOLATILE AROMATIC HYDROCARBONS
QUALITY CONTROL REPORT

Method Blank Analysis

Sample Matrix: Water
Lab ID: Method Blank
Report Date: 03/31/98
Date Analyzed: 03/30/98

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	ND	0.2
Toluene	ND	0.2
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.2
m,p-Xylenes	ND	0.2
o-Xylene	ND	0.2
1,3-Dichlorobenzene	ND	0.2
1,4-Dichlorobenzene	ND	0.2
1,2-Dichlorobenzene	ND	0.2

ND - Analyte not detected at the stated detection limit.

Quality Control:

Surrogate	Percent Recovery	Acceptance Limits
Bromofluorobenzene	95.0%	70-130%

Reference: Method 5030, Purge and Trap; Method 602, Purgeable Aromatics; Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater, USEPA, October 1984.

Comments:

Analyst

Review

Inter·Mountain Laboratories, In

2506 W. Main Street
Farmington, New Mexico 87401

VOLATILE AROMATIC HYDROCARBONS
QUALITY CONTROL REPORT

Matrix Spike Analysis

Lab ID: 0398G01384
Sample Matrix: Water
Condition: Cool/Intact

Report Date: 03/31/98
Date Analyzed: 03/30/98

Target Analyte	Spiked Sample Result in ppb	Sample result in ppb	Spike Added (ppb)	% Recovery	Acceptance Limits (%)
Benzene	29.70	12.10	20.0	88.0%	70-130
Toluene	31.50	15.00	20.0	82.5%	70-130
Chlorobenzene	20.60	ND	20.0	103.0%	70-130
Ethylbenzene	21.20	ND	20.0	106.0%	70-130
m,p-Xylenes	42.90	2.70	40.0	100.5%	70-130
o-Xylene	20.20	1.90	20.0	91.5%	70-130
1,3-Dichlorobenzene	16.10	ND	20.0	80.5%	70-130
1,4-Dichlorobenzene	16.00	ND	20.0	80.0%	70-130
1,2-Dichlorobenzene	16.00	ND	20.0	80.0%	70-130

ND - Analyte not detected at the stated detection limit.
NA - Not applicable or not calculated.

Quality Control:

Surrogate	Percent Recovery	Acceptance Limits
Bromofluorobenzene	102.3%	70 -130%

Reference: Method 5030, Purge and Trap; Method 602, Purgeable Aromatics; Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater, USEPA, October 1984.

Comments:

Analyst

Review

Inter-Mountain Laboratories, I

2506 W. Main Street
Farmington, New Mexico 87401

VOLATILE AROMATIC HYDROCARBONS
QUALITY CONTROL REPORT

Duplicate Analysis

Lab ID: 0398G01384
Sample Matrix: Water
Condition: Cool/Intact

Report Date: 03/31/98
Date Analyzed: 03/30/98

Target Analyte	Duplicate Concentration (ppb)	Original Concentration (ppb)	% Difference
Benzene	12.9	12.1	6.4
Toluene	16.1	15	7.1
Chlorobenzene	ND	ND	NA
Ethylbenzene	ND	ND	NA
m,p-Xylenes	2.44	2.7	10.1
o-Xylene	2.01	1.9	5.6
1,3-Dichlorobenzene	ND	ND	NA
1,4-Dichlorobenzene	ND	ND	NA
1,2-Dichlorobenzene	ND	ND	NA

ND - Analyte not detected at the stated detection limit.
NA - Not applicable or not calculated.

Quality Control:	Surrogate	Percent Recovery	Acceptance Limits
	Bromofluorobenzene	90.8%	70 -130%

Reference: Method 5030, Purge and Trap; Method 602, Purgeable Aromatics; Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater, USEPA, October 1984.

Comments:

Analyst

Review

Inter-Mountain Laboratories, Inc.

1701 Phillips Circle
Gillette, Wyoming 82718

LAB QA/QC
EPA METHOD 8010
METHOD BLANK

Date Analyzed: **03/31/98**
Lab ID: MBW000090
Matrix:

Parameter	Result	PQL	Units
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
1,1-Dichloroethene	ND	5.0	ug/L
1,2-Dichlorobenzene	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
1,3-Dichlorobenzene	ND	5.0	ug/L
1,4-Dichlorobenzene	ND	5.0	ug/L
1-Chlorohexane	ND	5.0	ug/L
2-Chloroethylvinyl ether	ND	5.0	ug/L
Benzyl chloride	ND	5.0	ug/L
bis(2-Chloroethoxy)methane	ND	5.0	ug/L
bis(2-Chloroisopropyl)ether	ND	5.0	ug/L
Bromobenzene	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
Bromomethane	ND	5.0	ug/L
Carbon Tetrachloride	ND	5.0	ug/L
Chloroacetaldehyde	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Chloroethane	ND	5.0	ug/L
Chloroform	ND	5.0	ug/L
Chloromethane	ND	5.0	ug/L
Chloromethylmethyl ether	ND	5.0	ug/L
Chlorotoluene	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
Dibromochloromethane	ND	5.0	ug/L
Dibromomethane	ND	5.0	ug/L
Dichlorodifluoromethane	ND	5.0	ug/L
Methylene chloride	ND	5.0	ug/L
Tetrachloroethene (PCE)	ND	5.0	ug/L
trans-1,2-Dichloroethene	ND	5.0	ug/L
trans-1,3-Dichloropropene	ND	5.0	ug/L
Trichloroethene (TCE)	ND	5.0	ug/L

Analyst _____

Reviewed _____

Inter·Mountain Laboratories, Inc.

1701 Phillips Circle
Gillette, Wyoming 82718

LAB QA/QC
EPA METHOD 8010
METHOD BLANK

Date Analyzed: **03/31/98**
Lab ID: MBW000090
Matrix:

Parameter	Result	PQL	Units
Trichlorofluoromethane	ND	5.0	ug/L
Trichloropropane	ND	5.0	ug/L
Vinyl Chloride	ND	5.0	ug/L

ND - Not Detected at Practical Quantitation Level (PQL)

Analyst _____

Reviewed _____

CHAIN OF CUSTODY RECORD

Inter- Mountain Laboratories, Inc.

Client/Project Name	Project Location	ANALYSES / PARAMETERS
SUNCO TRUCKING	PIPEYARD	
Sampler: (Signature) Mike Jalovich	**Chain of Custody Tape No.**	**Remarks**

Sample No./ Identification	Date	Time	Lab Number	Matrix	No. of Containers					
~~WATER~~ Pipe Yard	3-20-98	1500		H_2O	8					
~~Sludge~~ Pipe Yard	3-20-98	1500		Sludge	4					
					CR					
										Intact, hand delivered

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Mike Jalovich	3-20-98	15:45			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by laboratory: (Signature)**	**Date**	**Time**
			Chris Raynes	3-20-98	1545

Inter-Mountain Laboratories, Inc.

☐ 1633 Terra Avenue, Sheridan, Wyoming 82801, Telephone (307) 672-8945

☐ 1701 Phillips Circle, Gillette, Wyoming 82718, Telephone (307) 682-8945

☐ 2506 West Main Street, Farmington, NM 87401, Telephone (505) 326-4737

☐ 1160 Research Drive, Bozeman, Montana 59718, Telephone (406) 586-8450

☐ 11183 State Hwy. 30, College Station, TX 77845, Telephone (409) 776-8945

51986

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
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District IV (505) 827-7131

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

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 98039

1. RCRA Exempt: X Non-Exempt: DATE: 4-24-98 Verbal Approval Received: Yes X No By: E. Busch	4. Generator RED CEDAR GATHERING
2. Management Facility Destination TIERRA ENVIRONMENTAL LANDFARM FACILITY	5. Originating Site Coyote Gulch Comp Stat
3. Address of Facility Operator 420 CR 3100 AZTEC NM 87410	6. Transporter MESS EXCAVATION
7. Location of Material (Street Address or ULSTR) SECTION 17 TOWNSHIP 32N RANGE 11W	8. State COLORADO

9. Check One

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

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

CONTAMINATED SOILS FROM DEHY OPERATIONS

RECEIVED
APR 28 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 10 yd³ Known Volume (to be entered by the operator at end of haul): 10 yd³

SIGNATURE Blaine Williams TITLE ENVIRONMENTAL SPECIALIST DATE 4-24-98

TYPE OR PRINT NAME BLAINE WILLIAMS TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 4/30/98

APPROVED BY Ernie Busch TITLE Geologist DATE 4/30/98

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Red Cedar Gathering Company 26266 Highway 160 Durango, CO 81301	Tierra Environmental Co. Inc. Landfarm
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
Coyote Gulch Compressor Station, La Plata County Colorado Section 17, 32N 11W Attach list of originating sites as appropriate	
4. Source and Description of Waste	
Contaminated Soil due to spill from Dehydration Equipment, (Soil Discolored by Glycol and Oil)	

I, James H. Mayo representative for:
(Print Name)

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

XX **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): James H Mayo ✓

Title: Manager, Safety & Environmental

Date: March 17, 1998

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 Coyote Gulch Compressor Station 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.

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

_____ The material is exempt from regulation by characteristic analyses.

_____ The material is exempt from regulation by product identification.

THEREFORE:

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

NAME: Danny H. Breuninger TITLE: Superintendant

SIGNATURE: _____ DATE: 4/3/98

AGENCY: Bureau of Indian Affairs - Southern Ute Agency

ADDRESS: P.O. Box 315, Ignacio, CO. 81137

PHONE: (970) 563-4514

District I (505) 393-6161
P.O. Box 1940
Hobbs, NM 88241-1980
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811 S. First
Artesia, NM 88210
District III (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
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New Mexico
Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

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Originated 4/18/95

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 98038

1. RCRA Exempt: X Non-Exempt: **DATE:** 4-22-98 Verbal Approval Received: (Yes) No By: D. Foust	4. Generator Red Cedar Gathering
2. Management Facility Destination Tierra Environmental Landfarm	5. Originating Site Arkansas Loop Plant
3. Address of Facility Operator 420 County Road 3100 Aztec, San Juan County, NM 87410	6. Transporter Riley Industrial
7. Location of Material (Street Address or ULSTR) Sec-2, T-32N, R-9W La Plata County	8. State Colorado

9. Check One

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

B. All requests for approval to accept non-exempt wastes must be accomanied 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:

Used Charcoal Filter Media

RECEIVED
APR 29 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 7 yd³ Known Volume (to be entered by the operator at end of haul): _____ yd³

SIGNATURE [signature] TITLE Environmental Specialist DATE 4-22-98

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

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 4/30/98

APPROVED BY Ernie Busch TITLE Geologist DATE 4/30/98

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Red Cedar Gathering Company 26266 HWY 160 Durango, CO 81301	Tierra Environmental Co Inc. Landfarm

3. Originating Site (name): **Location of the Waste (Street address &/or ULSTR):**

Arkansas Loop Natural Gas Treating Facility, La Plata County Colo.

Attach list of originating sites as appropriate

4. Source and Description of Waste

During the week of April 6 1998 approximately 6 yards of chemical filter media will be exchanged in Plant 2.
During the week of April 20 1998 approximately 6 yards of charcoal filter media will be exchanged in Plant 1.

I, Jim H. Mayo (Print Name) representative for:

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

XX **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): James H Mayo

Title: Manager, Safety and Environmental

Date: March 26, 1998

PLANT #2

CERTIFICATE FROM OUT OF STATE AGENCY

AUTHORIZING REMOVAL OF RCRA EXEMPT OILFIELD WASTE

FROM THEIR JURISDICTION TO NEW MEXICO

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

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

_____ The material is exempt from regulation by characteristic analyses.

_____ The material is exempt from regulation by product identification.

THEREFORE:
As a representative for Bureau ofIndian Affairs I have no objections to the material being removed to New Mexico.

NAME: Danny H. Breuninger TITLE: ~~Mgr~~ Superintendent

SIGNATURE: [signature] DATE: 3/31/98

AGENCY: Bureau of Indian Affairs

ADDRESS: PO Box 315, Ignacio, CO 81137

PHONE: (970) 563-4514

ORIGINALS MAILED - 04/01/98 to Mr. Mayo

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
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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 98030

1. RCRA Exempt: yes Non-Exempt: **DATE:** 3-23-98 Verbal Approval Received: (Yes) No By: D. Foust	4. Generator Colorado Oil & Gas Conservation Commis
2. Management Facility Destination Tierra Environmental Landfarm	5. Originating Site AO Martin #1
3. Address of Facility Operator 420 County Road 3100 Aztec, San Juan County, NM 87410	6. Transporter A plus
7. Location of Material (Street Address or ULSTR) AO Martin #1 NESE-6, 32-N, 6-W, NMPM LaPlata Co, CO	8. State

9. Check One

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

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

Drilling Mud composed of Ignacio City water, bentonite and lime.

RECEIVED
APR 17 1998
OIL CON. DIV.
DIST. 3

Need originals of attachments

Estimated Volume 400 BBls ~~yd³~~ Known Volume (to be entered by the operator at end of haul): _____ yd³

SIGNATURE _____ TITLE Environmental Specialist DATE - -

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

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 4/17/98

APPROVED BY ~~Denny G. Foust~~ TITLE ~~Geologist~~ DATE 4/17/98

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To Ed Di Matteo	From Phil Nobis
Co. COG	Co. Tierra
Dept.	Phone #
Fax # 393-8994-2109	Fax # 505-334-9024

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Colorado Oil & Gas Conserv. Comm 1120 Lincoln Ste 801 Denver, CO 90203	2. Destination Name: Tierra Environmental Co. Farmington, New Mexico 87401-5250
3. Originating Site (name): A O Martin #1 NESE 6 32N 6W NMPM La Plata County CO Attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR):
4. Source and Description of Waste 400 ~~350~~ bbl drilling mud, composed of City of Ignacio water, bentonite, and lime. No Norms	

I, Ed D. Mattea (Print Name) representative for:

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

X EXEMPT oilfield waste

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

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

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

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

Name (Original Signature): Ed D. Mattea

Title: Sr. Petroleum Engineer

Date: 3/23/98

TIERRA ENVIRONMENTAL COMPANY Inc.

420 COUNTY ROAD 3100
AZTEC, NEW MEXICO 87410

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

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

CERTIFICATE FROM OUT OF STATE AGENCY

AUTHORIZING REMOVAL OF RCRA EXEMPT OILFIELD WASTE

TO THE TIERRA CROUCH MESA LANDFARM LOCATED

IN SAN JUAN COUNTY, NEW MEXICO

I have reviewed the enclosed information concerning RCRA exempt material generated at;
Location: AO Martin #1 NESE 6 32N 6W NMPM

by;
Generator: Colorado Oil & Gas Conservation Commission

As a representative of;

Regulatory Agency Colorado Oil & Gas Conservation Commission

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

Name: Ed D. Mattoo Title: Sr. Sanitary Engineer

Signature: Ed D. Mattoo Date: 3/23/98

Phone: 303-894-2100 Fax: 303-894-2109

District I
P.O. Box 1940
Hobbs, NM 88241-1980
District II (505) 748-1283
811 S. First
Artesia, NM 88210
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Oil Conservation Division
2040 South Pacheco Street
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(505) 827-7131

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: Non-Exempt: DATE: Verbal Approval Received: Yes No By:	4. Generator Four Corners Air Service Inc
2. Management Facility Destination Tierra Environmental Landfarm	5. Originating Site Service Yard
3. Address of Facility Operator 420 C.R. 3100 Aztec, San Juan County NM 87410	6. Transporter SUNCO Trucking
7. Location of Material (Street Address or ULSTR) 110 Cochiti Farmington, San Juan County, NM 87401	8. State New Mexico

9. Check One

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

B. All requests for approval to accept non-exempt wastes must be accomanied by necessary chemical analyses to prove the material is non-hazardous and the Generators 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:
Accidental Spill of 75 gal. of unused diesel fuel from Storage Tank. Mixed 3 yards of clean dirt to stabilize.

RECEIVED
APR 17 1998
OIL CON. DIV.
DIST. 3

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

SIGNATURE _____ TITLE Environmental Specialist DATE 4-15-98

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

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 4/20/98

APPROVED BY _____ TITLE Env. Geologist DATE 4/21/98

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
FOUR CORNERS AIR SERVICE INC.	TIERRA LAND FARM
3. Originating Site (name): SERVICE YARD Attach list of originating sites as appropriate	**Location of the Waste (Street address &/or ULSTR):** 110 COCHITI AVE FARMINGTON, NM
4. Source and Description of Waste Accidental spill of 75 gal. of unused diesel fuel From storage tank. Mixed 3 yards of clean dirt to stabilize	

I, PATRICK Drake representative for:
(Print Name)

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

__ **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Patrick Drake

Title: Operations Supervisor

Date: 4-15-98

SECTION 1 - MANUFACTURER INFORMATION

MANUF/DIST : BLOOMFIELD REFINING CO.
EMERGENCY PHONE.....: 800-434-9300
P.O. BOX 159 PREPARATION/REVISION DATE: 3/26/90
BLOOMFIELD NM 87413
PREPARER/CONTACT: JIM STIFFLER

LOCATION : UNITS

TRADE NAME/SYNONYMS...: DIESEL
CHEMICAL NAME/SYNONYMS: FUEL OIL # 2
CHEMICAL FAMILY.....: HYDROCARBON
FORMULA.....: NO INFORMATION
PRODUCT CODE.....:

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS)

```
**************************
*                        *
*   HEALTH..... 0        *
*   FLAMMABILITY.. 2     *
*   REACTIVITY.... 0     *
*   PROTECTION.... Y     *
*                        *
**************************
```

SECTION 2 - HAZARDOUS INGREDIENTS

THIS PRODUCT CONTAINS HAZARDOUS INGREDIENTS : YES

CHEMICAL/COMMON NAME	CAS-NUMBER	%	PEL-OSHA	TLV-ACGIH
COMPLEX COMBINATION OF STRAIGHT CHAIN AND CRACKED HYDROCARBONS. CONTAINS ADDITIVES WHICH ARE NOT CONSIDERED HAZARDOUS IN CONCENTRATIONS PRESENT.	MIXTURE	100	N/I	N/I

THIS PRODUCT CONTAINS CARCINOGENS (NTP, IARC, or OSHA):NO

CHEMICAL/COMMON NAME	CAS-NUMBER	%	NTP	IARC	OSHA
SEE SECTION 3 "HEALTH HAZARD DATA"					

SECTION 3 - HEALTH HAZARD DATA

HEALTH EFFECTS (Acute And Chronic)--
WARNING, MINIMIZE BREATHING VAPORS. REPEATED OR PROLONGED EXPOSURE TO HIGH CONCENTRATION OF VAPOR MAY CAUSE HEADACHE, DIZZINESS, NAUSEA, INCOORDINATION LOSS OF CONSCIOUSNESS OR EVEN DEATH.
HARMFUL IS SWALLOWED RESULTING IN NAUSEA, VOMITING, DIARRHEA AND RESTLESSNESS. ASPIRATION OF VOMITUS MAY LEAD TO SEVERE LUNG DAMAGE AND EVEN DEATH.
PROLONGED AND REPEATED LIQUID CONTACT CAN CAUSE DEFATTING AND DRYING OF THE SKIN RESULTING IN SKIN IRRITATION AND DERMATITIS.

ACCORDING TO NIOSH STUDY RELEASED AUGUST, 1988 THE TOXICOLOGIC AND EPIDEMIOLO IC FINDINGS SUGGEST A POTENTIAL OCCUPATIONAL CARCINOGENIC HAZARD EXISTS IN HUMAN EXPOSURE TO DIESEL EXAUST.

PRIMARY ROUTES OF ENTRY-
EYE AND SKIN CONTACT. INHALATION.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE-
N/I

EMERGENCY FIRST AID PROCEDURES-
EYES:
FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.
SKIN:
REMOVE CONTAMINATED CLOTHING AND SHOES. WASH THOROUGHLY WITH SOAP AND WATER. IF IRRITATION PERSISTS. SEE A PHYSICIAN.
INHALATION:
REMOVE VICTIM TO FRESH AIR. PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION.
INGESTION:
DO NOT INDUCE VOMITING. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIP TO PREVENT ASPIRATION OF LIQUID INTO THE LUNGS. GET MEDICAL ATTENTION.

SECTION 4 - CHEMICAL DATA

BOILING POINT (F)....: 357 SPECIFIC GRAVITY (WATER=1).....: .83
VAPOR PRESSURE (mmHg): N/A PERCENT VOLATILE BY VOLUME (%).....: 100
VAPOR DENSITY (AIR=1): N/A EVAPORATION RATE (BUTYL ACETATE =1): N/A

SOLUBILITY IN WATER-
N/A

APPEARANCE AND ODOR INFORMATION-
AMBER BROWN COLOR SLIGHTLY VISCOUS LIQUID WITH HYDROCARBON ODOR.

SECTION 5 - PHYSICAL HAZARD DATA

FLASH POINT (Method Used): 148 F TAG C FLAMMABLE LIMITS : Lel=0.7 UEL=5.0

EXTINGUISHING MEDIA-
WATER SPRAY, FOAM, DRY CHEMICAL OR CO 2.

SPECIAL FIRE FIGHTING PROCEDURES-
USE WATER TO KEEP EXPOSED CONTAINERS COOL. IF A SPILL OR LEAK HAS NOT IGNITED USE WATER SPRAY TO DISPERSE THE VAPORS AND PROVIDE PROTECTION FOR MEN ATTEMPTING TO STOP A LEAK.

UNUSUAL FIRE AND EXPLOSION HAZARDS-
N/I

INCOMPATIBILITY (Materials To Avoid)-
AVOID HEAT, SPARKS, OPEN FLAME, AND STRONG OXIDIZING AGENTS, PREVENT VAPOR ACCUMULATION.

HAZARDOUS DECOMPOSITION PRODUCTS-
CARBON MONOXIDE AND OTHER ORGANIC COMPOUNDS CAN BE FORMED UPON COMBUSTION. (SEE SECTION 3 "HEALTH HAZARD DATA"

WILL HAZARDOUS POLYMERIZATION OCCUR-
WILL NOT OCCUR

CONDITIONS TO AVOID FOR POLYMERIZATION-
N/T

IS THE PRODUCT STABLE
YES

CONDITIONS TO AVOID FOR STABILITY-
N/T

SECTION 6 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED-
ISOLATE HAZARD AREA. WEAR APPROPRIATE RESPIRATOR AND CLOTHING. SHUT OFF SOURCE OF LEAK IF SAFE TO DO SO. DIKE AND CONTAIN. REMOVE WITH VACUUM TRUCKS OR PUMP TO STORAGE SALVAGE VESSELS.SOAK UP RESIDUE WITH AN ABSORBANT SUCH AS CLAY,SAND OR OTHER SUITABLE MATERIAL, PLACE IN D.O.T. AUTHORIZED NON-LEAKING CONTAINERS FOR PROPER DISPOSAL. SMALL SPILLS, TAKE UP WITH AN ABSORBANT MATERIAL AND DISPOSE AS ABOVE.

WASTE DISPOSAL METHODS-
RECOVERED PRODUCT SHOULD BE RECYCLED. WASTE GENERATED DURING CLEANUP WHICH IS DISCARDED AS A SOLID WASTE SHALL BE DISPOSED OF AT A FACILITY APPROVED UNDER RCRA REGULATIONS FOR HAZARDOUS WASTE.

SECTION 7 - EXPOSURE CONTROL INFORMATION

VENTILATION-
LOCAL EXHAUST: TO CAPTURE VAPORS MECHANICAL (General): EXPLOSION PROOF
SPECIAL.....: 60 fpm VELOCITY OTHER.....: N/A

RESPIRATORY PROTECTION-
UNDER CONDITONS OF POTENTIAL HIGH EXPOSURE, THE USE OF A NIOSH APPROVED RESPIRATOR IS RECOMMENDED. PER 29 CFR 1910.134 USE EITHER AN ATMOSPHERE SUPPLYING RESPIRATOR OR AN AIR PURIFYING RESPIRATOR FOR ORGANIC VAPORS.

PROTECTIVE GLOVES
IMPERVIOUS

OTHER PROTECTIVE EQUIPMENT-
EYE PROTECTION AND PROTECTIVE CLOTHING.

OTHER ENGINEERING CONTROLS-
N/I

WORK PRACTICES-
N/I

HYGIENIC PRACTICES-
WASH THOROUGHLY BEFORE EATING, DRINKING OR SMOKING.

SECTION II - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE-
USE EXPLOSION PROOF VENTILATION AS REQUIRED TO CONTROL VAPOR CONCENTRATIONS.

MAINTENANCE PRECAUTIONS
N/I

OTHER PRECAUTIONS
FOR USE AS A MOTOR FUEL ONLY. DO NOT USE AS A CLEANING SOLVENT OR FOR OTHER NON MOTOR FUEL USES.

ADDITIONAL COMMENTS-
N/I

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
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Santa Fe, New Mexico 87505
(505) 827-7131

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: X Non-Exempt: **DATE:** 4-8-98 Verbal Approval Received: (Yes) No By: D. Foust	4. Generator Manana Gas, Inc.
2. Management Facility Destination Tierra Environmental Landfarm	5. Originating Site Bobbie Herrera #1
3. Address of Facility Operator #20 C.R. 3100 Aztec, San Juan County, NM 87410	6. Transporter Cruz Trucking
7. Location of Material (Street Address or ULSTR) Section K, Township-30N, Range-11W San Juan County	8. State New Mexico

9. Check One

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

B. All requests for approval to accept non-exempt wastes must be accomanied 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:
Earthen Pit Remediation

RECEIVED
APR 20 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 100 yd³ Known Volume (to be entered by the operator at end of haul): _____ yd³

SIGNATURE _____ TITLE Environmental Specialist DATE - -

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

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 4 22 98

APPROVED BY Ernie Busch TITLE Geologist DATE " 5/5/98

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Manana Gas, Inc. 2520 Tramway Terrace Crt., NE Albuquerque, N.M. 87122	Tierra Environmental Company, Inc. P.O. Drawer 15250 Farmington, N.M. 87401
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
Bobbie Herrera # 1 A dual completion in the Pictured Cliffs and Fruitland formations **Attach list of originating sites as appropriate**	Section K 4, 30N , 11W San Juan County, New Mexico
4. Source and Description of Waste	
Earthern Pit Remediation	

I, Edward M. Hartman representative for:
(Print Name)

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

XX **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Edward M. Hartman

Title: President, Manana Gas, Inc.

Date: April 15, 1998

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

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: X Non-Exempt: **DATE:** 4-3-98 Verbal Approval Received: (Yes) No By: D. Foust	4. Generator PNM Gas Services
2. Management Facility Destination Tierra Environmental Landfarm	5. Originating Site Randleman #1
3. Address of Facility Operator 420 C.R. 3100 Aztec, San Juan County, NM 87410	6. Transporter Philip Services
7. Location of Material (Street Address or ULSTR) Sec - 13, T-31N, R-11W unit K San Juan County	8. State NM

9. Check One

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

B. All requests for approval to accept non-exempt wastes must be accomanied 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:
Earthen Pit Remediation

RECEIVED
APR - 8 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 2000 yd³ Known Volume (to be entered by the operator at end of haul): _____ yd³

SIGNATURE _____ TITLE Environmental Specialist DATE 4-2-9

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

(This space for State Use)

APPROVED BY _____ TITLE Geologist DATE 4/10/98

APPROVED B TITLE DATE 4-10-98

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
PNM GAS SERVICES 603 W. ELM FARMINGTON NM	TIERRA ENVIRONMENTAL CO. INC. LAND FARM FACILITY
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
RANDLEMAN #1 Attach list of originating sites as appropriate	Sec - 13, T-31N, R-11W UNIT K
4. Source and Description of Waste	
EARTHEN PIT REMEDIATION	

I, GARY COOK representative for:
(Print Name)
PNM GAS SERVICES do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

X **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Mary S. Cook

Title: Environmental Consultant

Date: 4-2-98

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

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 98019

1. RCRA Exempt: X Non-Exempt: DATE: 3-10-98 Verbal Approval Received: Yes X No By: D. Foust	4. Generator Red Cedar Gathering
2. Management Facility Destination Tierra Environmental Co Inc Landfarm	5. Originating Site Arkansas Loop Plant
3. Address of Facility Operator 420 CR 3100 Aztec NM 87410	6. Transporter
7. Location of Material (Street Address or ULSTR) S-2 T-32 N R-9 W La Plata Cty. 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-exempt wastes must be accomanied by necessary chemical analyses to prove the material is non-hazardous and the Generators certification of origin. No waste classified as hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF THE MATERIAL:

Coal Fines and oil contaminated soil from Natural Gas Inlet Scrubber and Filtration System

RECEIVED
MAR 24 1998
OIL CON. DIV.
DIST. 3

Held for legibility

Estimated Volume 10 yd³ Known Volume (to be entered by the operator at end of haul): _____ yd³

SIGNATURE Blaine Williams TITLE Environmental Specialist DATE 3-10-98

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

(This space for State Use)

APPROVED BY [illegible] TITLE Geologist DATE 10 98

APPROVED BY _____ TITLE Field Rep II DATE - -9

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Red Cedar Gathering Company 26266 Hwy. 160 Durango, CO 81301	Tierra Environmental Co. Inc. Landfarm
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
Bonded Field Compressor Station, LaPlata County CO Sec 24, 33 N 10 W Attach list of originating sites as appropriate	
4. Source and Description of Waste	
Contaminated Soil due to spill from Dehydration Equipment (Soil Discolored by Glycol and oil)	

I, James H. Mayo representative for:
(Print Name)

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

X **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): James H Mayo

Title: Manager, Safety and Envirnment

Date: October 29, 1997

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 Bondad Compressor Station, LaPlata Cty. 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.

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

_____ The material is exempt from regulation by characteristic analyses.

_____ The material is exempt from regulation by product identification.

THEREFORE:

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

NAME: Danny H. Breuninger TITLE: Superintendent

SIGNATURE: _____ DATE: 1/16/98

AGENCY: Bureau of Indian Affairs Southern Ute Agency

ADDRESS: P.O. Box 315, Ignacio, CO 81137

PHONE: (970) 563-4514

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

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Oil Conservation Division
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Santa Fe, New Mexico 87505
(505) 827-7131

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: X Non-Exempt: **DATE:** 4-1-98
Verbal Approval Received: (Yes) No By: D. Foust
2. Management Facility Destination
Tierra Environmental Landfarm
3. Address of Facility Operator
420 County Road 3100 Aztec, San Juan County, N.M. 87410
7. Location of Material (Street Address or ULSTR)
San Juan 30-6 #112Y SWD Rio Arriba County

4. Generator
Burlington Resources
~~PNM Gas Services~~
5. Originating Site
San Juan 30-6 #112Y SWD
6. Transporter
Riley Trucking
8. State
NM

9. Check One

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

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

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

BRIEF DESCRIPTION OF THE MATERIAL:
Tank Bottoms from SWD Tank

RECEIVED
APR 13 1998
OIL CON. DIV.
DIST. 3

Estimated Volume ~~20~~ 295 yd³ BBls Known Volume (to be entered by the operator at end of haul): ________ yd³

SIGNATURE [signature] TITLE Environmental Specialist DATE - -
TYPE OR PRINT NAME Tim Nobis TELEPHONE NO. 505) 334-8894

(This space for State Use)

APPROVED BY [signature] TITLE Geologist DATE 5 -
APPROVED BY [signature] TITLE Geologist DATE 5-8

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Burlington Resources 3535 East 30 th Street Farmington NM 87401	Tierra Landfarm Aztec, NM 87410
3. Originating Site (name):	**Location of the Waste (Street address /or ULSTR):**
San Juan 30-6 #112 Y SWD	San Juan 30-6 #112 Y SWD Unit A Section 26, T30N, R06W
4. Source and Description of Waste:	
Tank Bottoms	

I, Jeff Schoenbacher **representative for:**

Burlington Resources **do hereby certify that,**

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

☑ **EXEMPT oilfield waste**

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

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

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

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

Name (Original Signature): Jeff Schoenbacher

Title: Environmental Representative

Date: Wednesday, April 01, 1998

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

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Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: X Non-Exempt: DATE: 3-31-98 Verbal Approval Received: (Yes) No By: D. Foust	4. Generator PNM
2. Management Facility Destination Tierra Environmental Land Farm	5. Originating Site Turner #1A
3. Address of Facility Operator 420 C.R. 3100 Aztec NM 87410 San Juan County	6. Transporter Philip Services
7. Location of Material (Street Address or ULSTR) S-24, T-31N, R-11W, M San Juan County	8. State New Mexico

9. Check One

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

B. All requests for approval to accept non-exempt wastes must be accomanied 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:

Earthen pit remediation.

RECEIVED
APR - 3 1998

RECEIVED
APR - 3 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 1000 yd³ Known Volume (to be entered by the operator at end of haul): _____ yd³

SIGNATURE _____ TITLE Environmental Specialist DATE 3-30-98

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

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 4/3/98

APPROVED BY Jackie Busch TITLE " DATE _____

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
PNM Gas Services 603 W Elm Farmington, N.M.	Tierra Environmental Co., Inc. 420 C.R. 3100 Aztec, San Juan County, NM 87410
3. Originating Site (name): Turner #1A Sec. 24, 31N, 11W, M Attach list of originating sites as appropriate	**Location of the Waste (Street address &/or ULSTR):**
4. Source and Description of Waste Earthen pit remediation	

I, Gary Cook (Print Name) representative for:

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

X **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Gary Cook

Title: Environmental Coordinator

Date: 3/30/98

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

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

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

96007

1. RCRA Exempt: X Non-Exempt: **DATE:** 3-12-98 Verbal Approval Received: Yes X No By: D. Foust	4. Generator PNM Services
2. Management Facility Destination Tierra Environmental Landfarm Facility	5. Originating Site Mangum #1
3. Address of Facility Operator 420 CR 3100 Aztec NM 87410	6. Transporter
7. Location of Material (Street Address or ULSTR) S-29 T-29N R 11W	8. State NM

9. Check One

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

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated soils from Dehy Drip pit

Where has this been?

Estimated Volume _____ yd^3

Known Volume (to be entered by the operator at end of haul): _____ yd^3

SIGNATURE Blaine Williams TITLE Environmental Specialist DATE 3-12-98

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

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 4/10/98

APPROVED BY Johnny Robinson TITLE Field Rep II DATE 4-10-98

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
PNM Gas Services 603 W. Elm Farmington, NM 87401	Tierra Environmental Co., Inc. 420 County Road 3100 Aztec, NM 87410 San Juan County
3. Originating Site (name): Mangum #1 Attach list of originating sites as appropriate	**Location of the Waste (Street address &/or ULSTR):** S-29, T-29N, R-11W San Juan County, NM.
4. Source and Description of Waste Contaminated Soils from dehy. drip pit	

I, Gary Cook representative for:
(Print Name)
PNM Gas Services do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

X **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Mary Cook

Title: Environmental Coordinator

Date: 3/11/98

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

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 98019 ~~96005~~

1. RCRA Exempt: X Non-Exempt: **DATE:** 3-10-98

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

2. Management Facility Destination
TIERRA ENVIRONMENTAL Co INC LANDFARM

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

4. Generator
RED CEDAR GATHER

5. Originating Site
BONDAD COM. STATION

6. Transporter

7. Location of Material (Street Address or ULSTR)
S-24 T-33N R-10W LA PLATA C

8. State
COLORADO

9. Check One

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

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

CONTAMINATED SOIL FROM DEHYDRATION UNIT

RECEIVED
MAR 24 1998
OIL CON. DIV.
DIST. 3

Held for legibility

Estimated Volume 10 yd³

Known Volume (to be entered by the operator at end of haul): _____ yd³

SIGNATURE Blaine Williams TITLE ENVIRONMENTAL SPECIALIST DATE 3-10-98

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

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 4/10/98

APPROVED BY Johnny Robinson TITLE Field Rep II DATE 4-10-98

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Red Cedar Gathering Company 26266 Hwy. 160 Durango, CO 81301	TIERRA ENVIRONMENTAL CO. INC. LANDFARM

3. Originating Site (name): **Location of the Waste (Street address &/or ULSTR):**

Bonded Field Compressor Station, LaPlata County CO
Sec 24, 33 N 10 W

Attach list of originating sites as appropriate

4. Source and Description of Waste

Contaminated Soil due to spill from Dehydration Equipment
(Soil Discolored by Glycol and oil)

I, James H. Mayo representative for:
(Print Name)

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

_X_ **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): James H Mayo

Title: Manager, Safety and Envirnment

Date: October 29, 1997

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 Bondad Compressor Station, LaPlata Cty. 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.

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

_____ The material is exempt from regulation by characteristic analyses.

_____ The material is exempt from regulation by product identification.

THEREFORE:

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

NAME: Danny H. Breuninger TITLE: Superintendent

SIGNATURE: _____ DATE: 1/16/98

AGENCY: Bureau of Indian Affairs Southern Ute Agency

ADDRESS: P.O. Box 315, Ignacio, CO 81137

PHONE: (970) 563-4514

District I (505) 393-6161
P.O. Box 1940
Hobbs, NM 88241

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

RECEIVED
MAR 27 1997
Environmental Bureau
Oil Conservation Division

Form C-1
Revised 1-1-89

Submit Original Plus 1 Copy to appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 98028 96007

1. RCRA Exempt: Non-Exempt: X DATE: 3-18-98 Verbal Approval Received: Yes No By:	4. Generator SUNCO / BIG A
2. Management Facility Destination TIERRA ENVIRONMENTAL LANDFARM FACILITY	5. Originating Site 5651 Hwy 64
3. Address of Facility Operator 420 CR 3100 Aztec NM 87410	6. Transporter SUNCO
7. Location of Material (Street Address or ULSTR) 5651 Hwy 64 Farmington NM	8. State NM

9. Check One

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

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

Soils washed into sump at oilfield facility

sent to Aztec 3/27/98

RECEIVED
MAR 24 1998
OIL CON. DIV.
DIST. 3

Estimated Volume _____ yd³ Known Volume (to be entered by the operator at end of haul): _____ yd³

SIGNATURE Blaine Williams TITLE Environmental Specialist DATE 3-18-98

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

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 3/24/98

APPROVED BY Marilyn J. Kelly TITLE Env. Geologist DATE 3/27/98

P.O. Box 1940
Hobbs, NM 88241
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

RECEIVED
MAR 27 1997
Environmental Bureau
Oil Conservation Division

Form C-1
Revised 1-1-89
Submit Original Plus 1 Copy to appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 98028 96007

1. RCRA Exempt: Non-Exempt: X DATE: 3-18-98 Verbal Approval Received: Yes No By:	4. Generator SUNCO / BIG A
2. Management Facility Destination TIERRA ENVIRONMENTAL LANDFARM FACILITY	5. Originating Site 5651 Hwy 64
3. Address of Facility Operator 420 CR 3100 Aztec NM 87410	6. Transporter SUNCO
7. Location of Material (Street Address or ULSTR) 5651 Hwy 64 Farmington NM	8. State NM

9. Check One

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

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

SOILS WASHED into SUMP AT oilfield FACILITY

RECEIVED
MAR 24 1998
OIL CON. DIV.
DIST. 3

Sent to Aztec 3/27/98

Estimated Volume _____ yd³ Known Volume (to be entered by the operator at end of haul): _____ yd³

SIGNATURE [signature] TITLE Environmental Specialist DATE 3-18-98

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

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 3/24/98

APPROVED BY Marilyn J. Kelly TITLE Env. Geologist DATE 3/27/98

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-
(Originated 1-1-

Submit Or
Plus 1 Cop
to appropr
District Of

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 98028 9600

1. RCRA Exempt: Non-Exempt: X DATE: 3-18-98 Verbal Approval Received: Yes No By:	4. Generator SUNCO / BIG A
2. Management Facility Destination TIERRA ENVIRONMENTAL LANDFARM FACILITY	5. Originating Site 5651 HWY 64
3. Address of Facility Operator 420 CR 3100 Aztec NM 87410	6. Transporter SUNCO
7. Location of Material (Street Address or ULSTR) 5651 Hwy 64 FARMINGTON NM	8. State NM

9. Check One

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

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

SOILS WASHED into SUMP AT oilfield FACILITY

RECEIVED
MAR 24 1998
OIL CON. DIV.
DIST. 3

Estimated Volume _____ yd³ Known Volume (to be entered by the operator at end of haul): _____ yd³

SIGNATURE Blaine Williams TITLE Environmental Specialist DATE 3-18-98

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

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 3/24/98

APPROVED BY _____ TITLE _____ DATE _____

CERTIFICATE OF WASTE STATUS

1. Generator (Name): Address: Big A Well Service & Sunco Trucking Company	3. Location (Street Address &/or ULSTR): 5651 US Hwy 64 Farmington, NM
2. Originating Site (Name): Yard Sump	4. Destination Name: Sunco Waste Management Facility

5. Source and Description of Waste
Wash Water from Car Wash Sumps on Site

I, Hal Stone representative for:
Big A Well Service & Sunco Trucking Company do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988 regulatory determination, the above described waste is: (Check appropriate classification)

___ EXEMPT oilfield waste

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

For Non-exempt waste only the following documentation is attached (check appropriate items):

___MSDS Information
_X_RCRA TCLP Analysis
_X_Chain of Custody
___Other (Description)

Name (Signature): Hal Stone

Printed Name: Hal Stone

Title: General Manager Trucking Division

Date: 3-16-98

Attach list of originating sites as appropriate.

Inter·Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

Michael Talovich
Sunco Trucking
708 S. Tucker
Farmington, NM 87401

March 6, 1998

Mr. Talovich:

Enclosed, please find the reports for the samples received by our laboratory for analysis on February 20, 1997.

If you have any questions about the results of these analyses, please don't hesitate to call me at your convenience.

We appreciate your business!

Sincerely,

Sharon Williams
Organics Lab Supervisor

Enclosures
xc: File

CASE NARRATIVE

Client: SUNCO TRUCKING
Project: 4 Corner Drilling Received on: 02/24/98
Set ID: 0598H00826 # samples: 2

Suites: 8260 Standard

Samples were received for analysis at Inter-Mountain Laboratories (IML), Gillette, Wyoming. Enclosed are the results of these analyses.

The listed compounds are from EPA method 8010 which was requested by our Farmington laboratory. The analysis referenced is EPA method 8260.

For the 8260 water analysis: Additional compounds were detected in the water sample and are listed below. For an additional charge IML will provide a quantitative number for each compound:

Detected compounds: Toluene, Ethylbenzene, (m,p)-xylene, o-xylene, 2-Chlorotoluene, 1,2,4-Trimethylbenzene, Naphthalene, and 1,2,3-Trichlorobenzene.

For the 8260 soil analysis: Additional compounds were detected in the soil sample and are listed below. For an additional charge IML will provide a quanitative number for each compound:

Detected compounds: Toluene, Ethylbenzene, (m,p)-xylene, 1,3,5-Trimethylbenzene, and 1,2,4-Trimethylbenzene.

Limits of detection for each instrument/analysis are determined by sample matrix effects, instrument performance under standard conditions, and dilution requirements to maintain chromatography output within calibration ranges. Quantitations have been calculated on an as received basis.

Quality Control reports have been included for your information and use. These reports appear at the end of the analytical package and may be identified by title. If there are any questions regarding the information presented in this package, please contact me at (800) 828-1095.

Ed Detzl

Inter-Mountain Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location	ANALYSES / PARAMETERS
SUNCO	4 CORNER DRILLING	
Sampler: (Signature)	**Chain of Custody Tape No.**	

Sample No./ Identification	Date	Time	Lab Number	Matrix	No. of Containers	Disposal Plant List				Remarks
Four Corner Drilling	2-20	10:30AM		water	8	✓				
Four Corner Drilling	2-20	2:00PM		Sludge	4	✓				
				CR						
										cool - on ice, intact, hand delivered

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Tim
Michael G. Talbot	2-20	2:30PM			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Tim**
Relinquished by: (Signature)	**Date**	**Time**	**Received by laboratory: (Signature)**	**Date**	**Tim**
			Chris Raymond	2-20-98	14

Inter-Mountain Laboratories, Inc.

☐ 1633 Terra Avenue, Sheridan, Wyoming 82801, Telephone (307) 672-8945

☐ 1701 Phillips Circle, Gillette, Wyoming 82718, Telephone (307) 682-8945

☐ 2506 West Main Street, Farmington, NM 87401, Telephone (505) 326-4737

☐ 1160 Research Drive, Bozeman, Montana 59718, Telephone (406) 586-8450

☐ 11183 State Hwy. 30, College Station, TX 77845, Telephone (409) 776-8945

61948

Inter-Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

VOLATILE AROMATIC HYDROCARBONS

Sunco Trucking

Project ID:	Four Corner Drilling	Report Date:	03/04/98
Sample ID:	Four Corner Drilling	Date Sampled:	02/20/98
Lab ID:	0398G00695	Time Sampled:	
Sample Matrix:	Soil	Date Received:	02/20/98
Condition:	Cool/Intact	Date Extracted:	02/25/98
		Date Analyzed:	02/26/98

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	ND	9.4
Toluene	ND	9.4
Ethylbenzene	ND	9.4
m,p-Xylenes	12.4	9.4
o-Xylene	ND	9.4

ND - Analyte not detected at the stated detection limit.

Quality Control:	Surrogate	Percent Recovery	Acceptance Limits
	Trifluorotoluene	105%	70%-130%

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

Comments:

Analyst

Review

Inter·Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL CONCENTRATION

Client:	Sunco Trucking		
Project:	Four Corner Drilling	Date Reported:	03/04/98
Sample ID:	Four Corner Drilling	Date Sampled:	02/20/98
Laboratory ID:	0398G00695	Date Received:	02/20/98
Sample Matrix:	Sludge	Date Analyzed:	02/29/98

Parameter	Result	Detection Limit	Regulatory Level	Units
Arsenic	0.013	0.005	5	mg/L
Barium	2.75	0.01	100	mg/L
Cadmium	<0.004	0.004	1	mg/L
Chromium	<0.01	0.01	5	mg/L
Lead	0.12	0.05	5	mg/L
Mercury	<0.001	0.001	0.2	mg/L
Selenium	<0.005	0.005	1	mg/L
Silver	<0.01	0.01	5	mg/L

ND- Analyte not detected at stated detection level.

References: Method 1311: Toxicity Characteristic Leaching Procedure, SW-846, Rev. 0, July 1992.

Method 3010A: Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, Rev. 1, July 1992.

Comments:

Reported By: _____ Reviewed: _____

Inter·Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

Client: Sunco Trucking
Project: (Four Corner Drilling)
Sample ID: Four Corner Drilling
Lab ID: 0398G00695
Matrix: Sludge
Condition: Cool/Intact

Date Received: 02/20/98
Date Reported: 03/04/98
Date Sampled: 02/20/98
Time Sampled: 1400

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
PH	7.6	s.u.			0.1	EPA 150.1	02/20/98	1645	BJ
Electrical Conductivity	2,940	µmhos/cm			10	EPA 120.1	02/20/98	1645	BJ
Solids - Total Dissolved	2,150	mg/L			10	EPA 160.1	02/20/98	1500	BJ
Solids - Total Dissolved (Calc)	2,090	mg/L			10	Calculation	03/04/98	1440	JG
Solids-Total	300,000	mg/L			10	EPA 160.3	02/26/98	0933	BJ
Alkalinity (CaCO3)	570	mg/L			1	EPA 310.1	02/26/98	0815	AP
Hardness (CaCO3)	163	mg/L			1	Calculation	03/04/98	1440	JG
Major Anions									
Bicarbonate (HCO3)	695	mg/L	11.4	meq/L	1	EPA 310.1	02/26/98	0815	AP
Carbonate (CO3)	<1	mg/L	<0.01	meq/L	1	EPA 310.1	02/26/98	0815	AP
Hydroxide (OH)	<1	mg/L	<0.01	meq/L	1	EPA 310.1	02/26/98	0815	AP
Chloride	905	mg/L	25.5	meq/L	1	EPA 300.0	02/20/98	1545	AP
Nitrogen - Nitrate/Nitrit	0.19	mg/L	0.01	meq/L	0.05	EPA 353.2	02/27/98	1000	SH
Sulfate	8	mg/L	0.16	meq/L	5	EPA 300.0	02/20/98	1545	AP
Major Cations									
Calcium	48.8	mg/L	2.44	meq/L	0.2	EPA 200.7	02/25/98	1030	ST
Magnesium	9.9	mg/L	0.81	meq/L	0.2	EPA 200.7	03/03/98	1200	ST
Potassium	4.6	mg/L	0.12	meq/L	0.2	EPA 200.7	03/03/98	1200	ST
Sodium	772	mg/L	33.6	meq/L	0.2	EPA 200.7	03/03/98	1200	ST
Cation / Anion Balance QC Information									
Anion Sum			37.1	meq/L	0.01	Calculation	03/04/98	1440	JG
Cation Sum			37.0	meq/L	0.01	Calculation	03/04/98	1440	JG
Cation/Anion Balance			0.20	%	0.01	Calculation	03/04/98	1440	JG

Reference: EPA - "Methods for Chemical Analysis of Water and Wastes", United States Environmental Protection Agency, EPA 600/4-79-020, Revised March, 1983.
EPA - "Methods for the Determination of Inorganic Substances in Environmental Samples", United States Environmental Protection Agency, EPA 600/R-93/100 August, 1983.

Reviewed By: _____

Inter-Mountain Laboratories, Inc.

1701 Phillips Circle
Gillette, Wyoming 82718

EPA METHOD 8260

VOLATILE ORGANIC COMPOUNDS

Client:	SUNCO TRUCKING		Date Reported:	03/04/98
Sample ID:	Four Corner Drilling		Date Sampled:	02/20/98
Project ID:	4 Corner Drilling		Date Received:	02/24/98
Lab ID:	B980827	03-0695	Date Extracted:	03/02/98
Matrix:	Sludge		Date Analyzed:	03/02/98

Parameter	Result	PQL	Units
1,1,1-Trichloroethane	ND	0.2	mg/kg
1,1,2,2-Tetrachloroethane	ND	0.2	mg/kg
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.2	mg/kg
1,1,2-Trichloroethane	ND	0.2	mg/kg
1,1-Dichloroethane	ND	0.2	mg/kg
1,1-Dichloroethene	ND	0.2	mg/kg
1,2-Dibromoethane (EDB)	ND	0.2	mg/kg
1,2-Dichloroethane	ND	0.2	mg/kg
1,2-Dichloropropane	ND	0.2	mg/kg
Bromodichloromethane	ND	0.2	mg/kg
Bromoform	ND	0.2	mg/kg
Bromomethane	ND	0.2	mg/kg
Carbon Tetrachloride	ND	0.2	mg/kg
Chlorobenzene	ND	0.2	mg/kg
Chloroethane	ND	0.2	mg/kg
Chloroform	ND	0.2	mg/kg
Chloromethane	ND	0.2	mg/kg
cis-1,3-Dichloropropene	ND	0.2	mg/kg
Dibromochloromethane	ND	0.2	mg/kg
Methylene chloride	ND	1.0	mg/kg
Tetrachloroethene (PCE)	ND	0.2	mg/kg
trans-1,2-Dichloroethene	ND	0.2	mg/kg
trans-1,3-Dichloropropene	ND	1.0	mg/kg
Trichloroethene (TCE)	ND	0.2	mg/kg
Vinyl Chloride	ND	0.2	mg/kg

Reference: Method 8260A Gas Chromatography/Mass Spectrometry for Volatile Organics, Test Methods for Evaluating Solid Wastes, SW-846, Final Update II, United States Environmental Protection Agency, September 1994.

Analyst E D

Reviewed W.O.

Inter·Mountain Laboratories, Inc.

1701 Phillips Circle
Gillette, Wyoming 82718

LAB QA/QC
EPA METHOD 8260
BLANK SPIKE

Date Analyzed: 03/02/98
Lab ID: BSS98060 BS1
Matrix: Soil
Date Extracted: 03/02/98

Parameter	Spike Added (mg/kg)	Sample Result (mg/kg)	Spike Result (mg/kg)	BS Recovery %	QC Limits Rec.
Benzene	16.2	0	20.2	125 *	71 -120
Chlorobenzene	16.2	0	13.7	85	76 -127
Toluene	16.2	0	13.3	82	71 -127
Trichloroethene (TCE)	16.2	0	15.6	96	75 -130

QUALITY CONTROL - Surrogate Recovery	%	QC Limits
Bromofluorobenzene	103	74 -121
1,2-Dichloroethane-d4	98	70 -121
Toluene-d8	97	81 -117

Note: Spike Recoveries are calculated using zero for Sample result if Sample result was less than PQL (Practical Quantitation Level).

Spike Recovery: 1 out of 4 outside QC limits.

Inter·Mountain Laboratories, Inc.

1701 Phillips Circle
Gillette, Wyoming 82718

LAB QA/QC
EPA METHOD 8260
METHOD BLANK

Date Analyzed: 03/02/98
Lab ID: MBS98060
Matrix: Soil
Date Extracted: 03/02/98

Parameter	Result	PQL	Units
QUALITY CONTROL - Surrogate Recovery	%	QC Limits	
1,2-Dichloroethane-d4	90	70 - 121	
Bromofluorobenzene	111	74 - 121	
Toluene-d8	100	81 - 117	

ND - Not Detected at Practical Quantitation Level (PQL)

Inter-Mountain Laboratories, Inc.

1701 Phillips Circle
Gillette, Wyoming 82718

LAB QA/QC
EPA METHOD 8260
METHOD BLANK

Date Analyzed: 03/02/98
Lab ID: MBS98060
Matrix: Soil
Date Extracted: 03/02/98

Parameter	Result	PQL	Units
1,1,1-Trichloroethane	ND	0.2	mg/kg
1,1,2,2-Tetrachloroethane	ND	0.2	mg/kg
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.2	mg/kg
1,1,2-Trichloroethane	ND	0.2	mg/kg
1,1-Dichloroethane	ND	0.2	mg/kg
1,1-Dichloroethene	ND	0.2	mg/kg
1,2-Dibromoethane (EDB)	ND	0.2	mg/kg
1,2-Dichloroethane	ND	0.2	mg/kg
1,2-Dichloropropane	ND	0.2	mg/kg
Bromodichloromethane	ND	0.2	mg/kg
Bromoform	ND	0.2	mg/kg
Bromomethane	ND	0.2	mg/kg
Carbon Tetrachloride	ND	0.2	mg/kg
Chlorobenzene	ND	0.2	mg/kg
Chloroethane	ND	0.2	mg/kg
Chloroform	ND	0.2	mg/kg
Chloromethane	ND	0.2	mg/kg
cis-1,3-Dichloropropene	ND	0.2	mg/kg
Dibromochloromethane	ND	0.2	mg/kg
Methylene chloride	ND	1.0	mg/kg
Tetrachloroethene (PCE)	ND	0.2	mg/kg
trans-1,2-Dichloroethene	ND	0.2	mg/kg
trans-1,3-Dichloropropene	ND	1.0	mg/kg
Trichloroethene (TCE)	ND	0.2	mg/kg
Vinyl Chloride	ND	0.2	mg/kg

Analyst E.D.

Reviewed

Inter·Mountain Laboratories, Inc.

1701 Phillips Circle
Gillette, Wyoming 82718

EPA METHOD 8260
VOLATILE ORGANIC COMPOUNDS

Client:	SUNCO TRUCKING			
Sample ID:	Four Corner Drilling		Date Reported:	03/04/98
Project ID:	4 Corner Drilling		Date Sampled:	02/20/98
Lab ID:	B980827	03-0695	Date Received:	02/24/98
Matrix:	Sludge		Date Extracted:	03/02/98
			Date Analyzed:	03/02/98

Parameter	Result	PQL	Units
QUALITY CONTROL - Surrogate Recovery	**%**	**QC Limits**	
1,2-Dichloroethane-d4	87	70 - 121	
Bromofluorobenzene	105	74 - 121	
Toluene-d8	100	81 - 117	

ND - Not Detected at Practical Quantitation Level (PQL)

Reference: Method 8260A Gas Chromatography/Mass Spectrometry for Volatile Organics, Test Methods for Evaluating Solid Wastes, SW-846, Final Update II, United States Environmental Protection Agency, September 1994.

Inter-Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

Quality Control / Quality Assurance

Spike Analysis / Blank Analysis

TOXICITY CHARACTERISTIC LEACHING PROCEDURE

Client:	Sunco Trucking	Date Reported:	03/02/98
Project:	Four Corners Drilling	Date Analyzed:	02/29/98
Sample Matrix:	Water/Sludge	Date Received:	02/20/98

Spike Analysis

Parameter	Spike Result (mg/L)	Sample Result (mg/L)	Spike Added (mg/L)	Percent Recovery
Arsenic	0.024	<0.005	0.025	96%
Barium	1.02	0.13	1.00	89%
Cadmium	0.750	<0.004	1.000	75%*
Chromium	0.82	<0.01	1.00	82%*
Lead	0.64	<0.05	1.00	64%*
Mercury	0.006	<0.001	0.005	110%
Selenium	0.022	<0.005	0.025	88%
Silver	0.05	<0.01	0.05	104%

Method Blank Analysis

Parameter	Result	Detec... Limit	Units
Arsenic	ND	0.005	mg/L
Barium	ND	0.01	mg/L
Cadmium	ND	0.004	mg/L
Chromium	ND	0.01	mg/L
Lead	ND	0.05	mg/L
Mercury	ND	0.001	mg/L
Selenium	ND	0.005	mg/L
Silver	ND	0.01	mg/L

References: Method 1311: Toxicity Characteristic Leaching Procedure, SW-846, Rev. 0, July 1992.

Method 3010A: Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, Rev. 1, July 1992.

Comments: *Spike recovery failed to meet established QC limits due to matrix interferences.

Reported by _____ Reviewed by _____

Inter-Mountain Laboratories, I.

2506 W. Main Street
Farmington, New Mexico 87401

Quality Control / Quality Assurance

Known Analysis

TOXICITY CHARACTERISTIC LEACHING PROCEDURE

Client:	Sunco Trucking	Date Reported:	03/04/98
Project:	Four Corners Drilling	Date Analyzed:	02/29/98
Sample Matrix:	Water/Sludge	Date Received:	02/20/98

Known Analysis

Parameter	Found Result	Known Result	Percent Recovery	Units
Arsenic	0.009	0.010	90%	mg/L
Barium	0.97	1.00	97%	mg/L
Cadmium	0.99	1.000	99%	mg/L
Chromium	0.96	1.00	96%	mg/L
Lead	0.99	1.00	99%	mg/L
Mercury	0.004	0.004	100%	mg/L
Selenium	0.010	0.010	100%	mg/L
Silver	4.39	4.00	110%	mg/L

References: Method 1311: Toxicity Characteristic Leaching Procedure, SW-846, Rev. 0, July 1992.

Method 3010A: Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, Rev. 1, July 1992.

Comments:

Reported by _____ Reviewed by _____

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-13
Originated 4/18/95

Submit Origi
Plus 1 Copy
to appropriat
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

96007

1. RCRA Exempt: X Non-Exempt: **DATE:** 3-9-98 Verbal Approval Received: Yes X No By: E. Busch	4. Generator MARATHON OIL
2. Management Facility Destination TIERRA ENVIRONMENTAL LANDFARM FACILITY	5. Originating Site JICARILLA #146
3. Address of Facility Operator 420 CR 3100 Aztec NM 87410	6. Transporter SUNCO
7. Location of Material (Street Address or ULSTR) S-34 T-26N R-5W	8. State NM

9. Check One

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

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

TANK BOTTOMS FROM PRODUCED WATER TANK

RECEIVED
MAR 24 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 80 BBL yd³ Known Volume (to be entered by the operator at end of haul): 80 BBLS yd³

SIGNATURE Blaine Williams TITLE Environmental Specialist DATE 3-9-98

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

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 3/24/98

APPROVED BY Ernie Busch TITLE " DATE "

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Marathon Oil Co P.O. Box 1435 Farmington, N.M. 87499	Tierra Enviromantal
3. Originating Site (name): Jicarilla 14E Attach list of originating sites as appropriate	**Location of the Waste (Street address &/or ULSTR):** S-34 T-26N R-5W
4. Source and Description of Waste Jicarilla 14E - Produced water, ~~interface~~ tank Bottoms	

I, Gary W. Donaghey (Print Name) representative for:
Marathon Oil Co do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

✓ **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Gary W. Donaghey

Title: Production Supervisor

Date: 3-13-98

District I (505) 334-6161
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-13
Originated 4/18/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 98018 ~~96007~~

1. RCRA Exempt: yes Non-Exempt: **DATE:** 3-9-98
Verbal Approval Received: (Yes) No By: D. Foust

2. Management Facility Destination
Tierra Environmental Landfarm

3. Address of Facility Operator
420 County Road 3100 Aztec, NM 87410 San Juan County

4. Generator
Conoco NG&GP

5. Originating Site
San Juan Gas Plant

6. Transporter
Riley Industrial

7. Location of Material (Street Address or ULSTR)
61 County Road 4900 Bloomfield, San Juan County, NM 87413

8. State
New Mexico

9. Check One

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

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

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

BRIEF DESCRIPTION OF THE MATERIAL:
Sulfa Check System - H_2S treating/scrubbing liquid
Coastal - Sulfaguard 609

RECEIVED
MAR 11 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 300 ~~yds~~ bbls. Known Volume (to be entered by the operator at end of haul): _____ yd³

SIGNATURE _____ TITLE Environmental Specialist DATE 3-9-98
TYPE OR PRINT NAME Tim Nobis TELEPHONE NO. (505) 334-8894

(This space for State Use)
APPROVED BY Denny G. Foust TITLE Geologist DATE 3/12/98
APPROVED BY _____ TITLE _____ DATE _____

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Conoco Inc.-NG&GP San Juan Gas Plant 61 CR 4900 Bloomfield, NM 87413	Tierra Environmental Co., Inc. Tierra Land Farm Faclity 420 CR 3100 Aztec, San Juan County NM 87410
3. Originating Site (name): Same As Above (Generator) Attach list of originating sites as appropriate	**Location of the Waste (Street address &/or ULSTR):**
4. Source and Description of Waste Sulfa Check System - H2S treating/scrubbing liquid Coastal - Sulfa Guard 609 For the month of March	

I, Richard R. Theander representative for:
(Print Name)

Conoco, Inc. NG&GP, San Juan Gas Plant do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

xx **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Richard R. Theander

Title: Process Foreman

Date: March 9, 1998

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

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

9600

1. RCRA Exempt: X Non-Exempt: DATE: 3-5-98 Verbal Approval Received: Yes X No By: D. Foust	4. Generator Basin Disposal
2. Management Facility Destination Tierra Environmental Landfarm	5. Originating Site #6 CR 5046
3. Address of Facility Operator 420 CR 3100 Aztec NM 87410	6. Transporter Riley Industrial
7. Location of Material (Street Address or ULSTR) #6 CR 5046 Bloomfield NM 87413	8. State NM

9. Check One

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

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

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

BRIEF DESCRIPTION OF THE MATERIAL: Tank Bottoms and solids with Hydrocarbon contamination gathered from daily operations at the facility

RECEIVED
MAR 11 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 2000 yd³

Known Volume (to be entered by the operator at end of haul): _____ yd³

SIGNATURE Blaine Williams TITLE Env. Specialist DATE 3-5-98

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

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 3/12/98

APPROVED BY Denise Brock TITLE " DATE "

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
BASIN DISPOSAL #6 CR 5046 BLOOMFIELD, NM 87413	TIERRA ENVIRONMENTAL CO CROUCH MESA LANDFARM
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
BASIN DISPOSAL Attach list of originating sites as appropriate	#6 CR 5046 BLOOMFIELD, NM 87413
4. Source and Description of Waste	TANK BOTTOMS AND SOLIDS OBTAINED FROM DAILY OPERATIONS

I, JIMMY V BARNES representative for:
(Print Name)
BASIN DISPOSAL do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

X **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Jimmy V Barnes

Title: Manager

Date: 3-4-98

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-13
(Originated 4/18/95)

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

96007

1. RCRA Exempt: X Non-Exempt: **DATE:** 2-27-98 Verbal Approval Received: (Yes) No By: D. Foust	4. Generator Burlington Resources
2. Management Facility Destination Tierra Environmental Landfarm	5. Originating Site S.J. Central Tank Battery #3
3. Address of Facility Operator 420 C.R. 3100 Aztec, NM 87410 San Juan County	6. Transporter
7. Location of Material (Street Address or ULSTR) Sec-22, T-30N, R6W Rio Arriba County	8. State NM

9. Check One

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

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

Tank bottoms from Coal Seam water tanks (mainly Coal fines)

RECEIVED
MAR 11 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 80 bbls ~~yd³~~ Known Volume (to be entered by the operator at end of haul): _____ yd³

SIGNATURE _____ TITLE Environmental Specialist DATE - - 8

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

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 3/12/98

APPROVED BY _____ TITLE _____ DATE _____

s:\2-envnmt\wastemgt\wv-mnfst.doc

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
BURLINGTON RESOURCES 3535 EAST 30th STREET FARMINGTON, NM 87402	Tierra Landfarm
3. Originating Site (name): San Juan Central Tank Battery #3 Attach list of originating sites as appropriate.	Location of the Waste (Street address &/or ULSTR): Section 22, T30N, R6W Rio Arriba County, NM
4. Source and Description of Waste: Tank bottoms from coal seam water tanks (mainly coal fines).	

I, Ed Hasely representative for:

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

X **EXEMPT** oilfield waste

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

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

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

MSDS Information
RCRA Hazardous Waste Analysis
Chain of Custody

Other (description):

Name (Original Signature): E. M. Hasely

Title: SR STAFF ENVIRONMENTAL REPRESENTATIVE

Date: February 27, 1998

District I (505) 393-6161
1940
Hobbs, NM 88241-1980
District II (505) 748-1283
811 S. First
Artesia, NM 88210
District III (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV (505) 827-7131

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

FORM C-13
Originated 4/18/95

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District Offic

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

96007

1. RCRA Exempt: X Non-Exempt: **DATE:** 2-24-98
Verbal Approval Received: (Yes) No By: D. Foust

2. Management Facility Destination
Tierra Environmental Landfarm

3. Address of Facility Operator
420 County Road 3100 Aztec NM 87410 San Juan County

4. Generator
PNM

5. Originating Site

6. Transporter
McCoy Gas Com "A" #1

7. Location of Material (Street Address or ULSTR)
McCoy Gas Com "A" #1 Sec-18, T-31N, R-10W San Juan County

8. State
New Mexico

9. Check One

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

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

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

BRIEF DESCRIPTION OF THE MATERIAL:
Contaminated Material from Pit Closure.

RECEIVED
FEB 24 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 2000 yd³ Known Volume (to be entered by the operator at end of haul): _____ yd³

SIGNATURE _____ TITLE Environmental Specialist DATE 2-24-98

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

(This space for State Use)

APPROVED BY _____ TITLE Geologist DATE 2-24-98

APPROVED BY _____ TITLE Geo... DATE 2 2 98

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
PNM 603 W. Elm Farmington, NM 87401	Tierra Environmental Landfarm 420 C.R. 3100 Aztec, NM 87410
3. Originating Site (name): McCoy Gas Com "A" #1 Attach list of originating sites as appropriate	**Location of the Waste (Street address &/or ULSTR):** Sec-18, T-31N, R-10W San Juan County, NM.
4. Source and Description of Waste Contaminated Material from Pit Closure.	

I, _____ representative for:
(Print Name)

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

X **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Mary L. Cook

Title: Environmental Coordinator

Date: 2/24/98

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

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

FORM C-13
Originated 4/18/95

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 98009

1. RCRA Exempt: X Non-Exempt: DATE: 2-10-98 Verbal Approval Received: (Yes) No By: D. FOUST	4. Generator BURLINGTON RESOURCES
2. Management Facility Destination TIERRA ENVIRONMENTAL LANDFARM FACILITY	5. Originating Site McGRATH SWD #4
3. Address of Facility Operator 420 CR 3100 AZTEC NM 87410	6. Transporter DAWN TRUCKING
7. Location of Material (Street Address or ULSTR) SECTION 34 TOWNSHIP 30N RANGE 12W	8. State NM

9. Check One

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

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

FILTERED SOLIDS FROM INCOMING OILFIELD WASTE FLUIDS.
TANK BOTTOMS FROM SKIMMER AND SEPARATOR PITS

RECEIVED
FEB 23 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 600 BBLS yd³ Known Volume (to be entered by the operator at end of haul): _____ yd³

SIGNATURE Blaine Williams TITLE ENVIRONMENTAL SPECIALIST DATE 2-10-98

TYPE OR PRINT NAME BLAINE WILLIAMS TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Foust TITLE GEOLOGIST DATE 2/23/98

APPROVED BY Ernie Busch TITLE Geo DATE 2/23/98

CERTIFICATE OF WASTE STATUS

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

I, Ed Hasely representative for:

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

X **EXEMPT** oilfield waste

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

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

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

MSDS Information
RCRA Hazardous Waste Analysis
Chain of Custody

Other (description):

Name (Original Signature): E D Hasely

Title: SR STAFF ENVIRONMENTAL REPRESENTATIVE

Date: 2/9/98

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-13
Originated 4/18/95

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

98005 ~~96007~~

1. RCRA Exempt: X Non-Exempt: DATE: 1-13-98 Verbal Approval Received: Yes X No Rv: D. Foust	4. Generator Burlington Resources
2. Management Facility Destination Tierra Environmental Landfarm Facility	5. Originating Site SJ 30-6 #2 SWD
3. Address of Facility Operator 420 CR 3100 Aztec NM 87410	6. Transporter
7. Location of Material (Street Address or ULSTR) NW NW S-23, T-30N, R-07W Rio Arriba Co.	8. State NM

9. Check One

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

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

RECEIVED
JAN 13 1998
OIL CON. DIV.
DIST. 3

Semi-Solids from Downhole treatment. Spent chemicals and some Emulsion Tank Bottoms From Facility

Estimated Volume 500 BBL yd³ Known Volume (to be entered by the operator at end of haul): _____ yd³

SIGNATURE Blaine Williams TITLE Environmental Specialist DATE 1-13-98

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

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 1/29/98

APPROVED BY Jeddie Bosch TITLE Geo DATE 2/2/98

150

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CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
BURLINGTON RESOURCES 3535 EAST 30th STREET FARMINGTON, NM 87402	Tierra Landfarm

3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
SJ 30-6 #2 SWD Facility DPNO. 4170A NWNW, Sec. 23, T30N, R07W - (Rio Arriba Co.) New Mexico	

Attach list of originating sites as appropriate.

4. Source and Description of Waste:
Primarily spent chemicals over years of service And some (oil & Emulsion CBS) Less Than 2%)
ALL chemicals ARE used ON BR Properties Downhole of the wellbores — Estimated 400-500 oil field 66/s.

I, Kenneth G. Johnson representative for:

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

(EXEMPT oilfield waste)

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

RECEIVED
JAN 29 1998
OIL CON. DIV.
DIST. 3

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

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

MSDS Information
RCRA Hazardous Waste Analysis
Chain of Custody

Other (description):

Name (Original Signature): Kenneth Johnson

Title: Production Foreman area 7

Date: January 13 1998

District I (505) 393-6161
P.O. Box 1940

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

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

District IV (505) 827-7131

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

FORM C-13
Originated 3/18/93

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District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 98002 ~~96007~~

1. RCRA Exempt: X Non-Exempt: **DATE:** 1-5-98 Verbal Approval Received: Yes X No By: A. Foust	4. Generator Conoco NGP
2. Management Facility Destination Tierra Environmental Co Inc Landfarm	5. Originating Site Conoco Plant
3. Address of Facility Operator 420 CR 3100 Aztec NM 87410	6. Transporter Riley Industrial
7. Location of Material (Street Address or ULSTR) Cr Rd 4900 Bloomfield 87413	8. State NM

9. Check One

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

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

Sulfa Check System - H_2S treating
And scrubbing waste
Sulfa Guard 609

RECEIVED
JAN 13 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 300 BBls yd³ Known Volume (to be entered by the operator at end of haul): _____ yd³

SIGNATURE Blaine Williams TITLE Env. Specialist DATE 1-5-98

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

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 1/14/98

APPROVED BY Ernie Busch TITLE Geologist DATE 1/13/98

RECEIVED
JAN 30 1998
OIL CON. DIV.
DIST. 3

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Conoco Inc. - NG&GP San Juan Gas Plant 61 CR 4900 Bloomfield, NM 87413	Tierra Environmental Co., Inc. Tierra Land Farm Facility 420 CR 3100 Aztec, San Juan County NM 87410
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
Same as above (Generator) Attach list of originating sites as appropriate	
4. Source and Description of Waste	
Sulfa Check System - H_2S treating/scrubbing waste Sulfa Guard 609	

I, Richard R. Theander (Print Name) representative for:
Conoco Inc., NG&GP, San Juan Gas Plant do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

x **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Richard R. Theander

Title: Process Foreman

Date: 1-5-98

Material Safety Data Sheet

Common Name	**SulfaGuard 609**
Supplier	COASTAL FLUID TECHNOLOGIES, INC. 3520 Veterans Memorial Drive ABBEVILLE, LA 70510 318-893-1852
Synonym	Not available.
Trade name	Not available.
Material Uses	Not available.
Manufacturer	COASTAL FLUID TECHNOLOGIES, INC. 3520 Veterans Memorial Drive ABBEVILLE, LA 70510 318-893-1852

Code	7183
MSDS#	Not available.
Validation Date	1/14/97
Print Date	4/28/97
In case of Emergency	TRANSPORTATION EMERGENCY: CHEM-TEL, INC. 1-800-255-3924

Ingredients

Name	CAS #	% by Weight	TLV/PEL	LC_{50}/LD_{50}
Material	57-56-1	<15	TWA: 200 STEL: 250 (ppm) TWA: 260 STEL: 326 (mg/m^3)	ORAL (LD50) mg/kg: Acute: 5628 (Rat). DERMAL (LD50) mg/kg: Acute: 15800 (Rabbit). VAPOR (LC50) ppm : Acute: 64000 (Rat.). (4 hour(s)).

Hazards Identification

Emergency Overview

CAUTION!!

MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION.

Routes of Entry

Eye contact. Ingestion. Inhalation.

Potential Acute Health Effects

Slightly dangerous to dangerous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Very slightly to slightly dangerous in case of skin contact (permeator). Severe over-exposure can result in death. Can be fatal if inhaled or ingested. This product may irritate eyes and skin upon contact.

Potential Chronic Health Effects

CARCINOGENIC EFFECTS: Not available. **MUTAGENIC EFFECTS:** Not available. **TERATOGENIC EFFECTS:** Not available. The substance is toxic to the nervous system, the reproductive system. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

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

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

Small Spill	Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container.
Large Spill	Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. DO NOT touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all sources of ignition.

Handling	Not available.
Storage	Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. A refrigerated room would be preferable for materials with a flash point lower than 37.8°C (100°F).

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

Chemical Name or Product Name	CAS #	Exposure Limits
Methanol	67-56-1	TWA: 200 STEL: 250 (ppm) TWA: 260 STEL: 328 (mg/m^3)

Physical state and appearance	Liquid.	Odor	Not available.
Molecular Weight	Not applicable.	Taste	Not available.
pH (1% soln/water)	Neutral.	Color	Straw color. (Light.)

Boiling Point	The lowest known value is 64.7°C (148.5°F) (Methanol).
Melting Point	May start to solidify at -97.8°C (-144°F) based on data for: Methanol.
Critical Temperature	Not available.
Specific Gravity	1.05 (Water = 1)
Vapor Pressure	The highest known value is 97.68 mm of Hg (@ 20°C) (Methanol).
Vapor Density	The highest known value is 1.11 (Air = 1) (Methanol).
Volatility	Not available.
Odor Threshold	Not available.
Evaporation rate	Not available.
Viscosity	Not available.
Water/Oil Dist. Coeff.	Not available.
Ionicity (in Water)	Not available.
Dispersion Properties	Is not dispersed in methanol, diethyl ether. See solubility in water, methanol, diethyl ether.
Solubility	Easily soluble in cold water, hot water, methanol, diethyl ether.

Physical Chemical Comments	Not available.

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

Toxicity to Animals	WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): > 5000 mg/kg (Rat) Acute dermal toxicity (LD50): > 5000 mg/kg (Rabbit.) Acute toxicity of the vapor (LC50): > 5000 ppm (Rat.)
Chronic Effects on Humans	The substance is toxic to the nervous system, the reproductive system.
Other Toxic Effects on Humans	Slightly dangerous to dangerous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Very slightly to slightly dangerous in case of skin contact (permeator).
Special Remarks on Toxicity to Animals	No additional remark.
Special Remarks on Chronic Effects on Humans	0040 Passes through the placental barrier. May be fatal or cause blindness if swallowed. (Methanol)
Special Remarks on other Toxic Effects on Humans	Narcotic. (Methanol)

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

Waste Disposal	Recycle, if possible. Consult your local or regional authorities.

SafeGuard 609 Page Number: 5

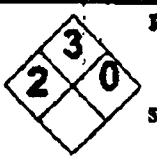
Proper Shipping Name	Flammable liquids n.o.s.
DOT Classification	DOT CLASS 3: Flammable liquid.
DOT Identification Number	UN 1993
Packing Group	PG II
Hazardous Substances/ Reportable Quantity	9071.8
Special Provisions for Transport	(contains Methanol)

Federal and State Regulations	The following product(s) is (are) listed on SARA 313: , Methanol The following product(s) is (are) listed by the State of Massachusetts: Methanol The following product(s) is (are) listed on TSCA: Methanol
Other Classifications	
WHMIS (Canada)	WHMIS CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). WHMIS CLASS D-2A: Material causing other toxic effects (VERY TOXIC).
DSCL (EEC)	R12- Extremely flammable. R26- Very toxic if swallowed.

HMIS (U.S.A.)

[illegible]	2
[illegible]	3
[illegible]	0
Personal Protection	C

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



References	Not available.
Other Special Considerations	No additional remark.
Validated by Charles Toups on 1/14/97.	Verified by Charles Toups. Printed 4/28/97.

Emergency Contact

CHEM-TEL, INC. - 1-800-255-3924

Notice to Reader

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

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-1[illegible]

Submit Orig[illegible]
Plus 1 Copy
to appropriat[illegible]
District Offic[illegible]

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

96007

1. RCRA Exempt: X Non-Exempt: **DATE:** 1-6-98 Verbal Approval Received: (Yes) No By: D. Foust	4. Generator PNM Gas Services (Amoco)
2. Management Facility Destination Tierra Environmental Co. Inc. Landfarm	5. Originating Site Florance #32A
3. Address of Facility Operator 420 C.R. 3100 Aztec, NM 87410 San Juan County	6. Transporter Diamond D
7. Location of Material (Street Address or ULSTR) S-15 T-30N R-08W San Juan County	8. State New Mexico

9. Check One

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

B. All requests for approval to accept non-exempt wastes must be accomanied 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:

Exempt Waste
(Pit Remediation)

RECEIVED
JAN 12 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 1000 yd³ Known Volume (to be entered by the operator at end of haul): _____ yd³

SIGNATURE _____ TITLE Environmental Specialist DATE - -

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

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 1/15/98

APPROVED BY _____ TITLE _____ DATE _____

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
PNM Gas Services (Amoco) 603 W. Elm Farmington, NM 87401	Tierra Environmental Landfarm 420 C.R. 3100 Aztec, NM 87410
3. Originating Site (name): Florance #32A Attach list of originating sites as appropriate	**Location of the Waste (Street address &/or ULSTR):** S-15, T-30N, R-08W San Juan County, NM
4. Source and Description of Waste Exempt Waste (Pit Remediation)	

I, Gary S. Cook (Print Name) representative for: PNM Gas Services do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

X **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Gary S. Cook

Title: Environmental

Date: 1-6-98

District I (505) 393-6161
P.O. Box 1940
Hobbs, NM 88241-1980
District II (505) 748-1283
811 S. First
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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 98003

1. RCRA Exempt: X Non-Exempt: **DATE:**
Verbal Approval Received: (Yes) No By: D. Foust

2. Management Facility Destination
Tierra Environmental Land Farm

3. Address of Facility Operator
#6 County Road 5046 Bloomfield, NM 87413 San Juan County

4. Generator
Basin Disposal

5. Originating Site
Basin Disposal

6. Transporter
Inland Trucking

7. Location of Material (Street Address or ULSTR)
#6 County Road 5046 Bloomfield, NM 87413 San Juan County

8. State
New Mexico

9. Check One

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

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

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

BRIEF DESCRIPTION OF THE MATERIAL:
Solids Contaminated with hydrocarbons derived from Oilfield waste and produced water

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JAN 13 1998
OIL CON. DIV.
DIST. 3

Estimated Volume _____ yd³ Known Volume (to be entered by the operator at end of haul): _____ yd³

SIGNATURE [signature] TITLE Environmental Specialist DATE 1-5-98

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

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 1/15/98

APPROVED BY [illegible] TITLE [illegible] DATE 1/16/98

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
BASIN DISPOSAL #6 Rd 5046 Bloomfield NM	TIERRA ENVIRONMENTAL LANDFARM FACILITY
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
BASIN DISPOSAL Attach list of originating sites as appropriate	#6 Rd 5046 Bloomfield NM
4. Source and Description of Waste	
SOLIDS CONTAMINATED WITH HYDROCARBONS DERIVED FROM OILFIELD WASTE AND PRODUCED WATER	

I, TIMMY V BARNES (Print Name) representative for:
BASIN DISPOSAL do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

X **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Timmy V Barnes

Title: Manager

Date: 1-9-98

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
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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 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 98134

1. RCRA Exempt: ☒ Non-Exempt: ☐	4. Generator Williams Field Service
Verbal Approval Received: 12-29-98 Yes ☒ No ☐ D. Foust.	5. Originating Site El Cedro Storage
2. Management Facility Destination Tierra Environmental Landfarm	6. Transporter Sunco/Key Energy
3. Address of Facility Operator 4720 C.R. 3100 Aztec, San Juan County	8. State New Mexico 87410
7. Location of Material (Street Address or ULSTR) Sec-31, T-29N, R5W	Rio Arriba County, NM

9. Circle One:

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

B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:
Condensate Storage tanks used to hold liquids brought in from pigging TrK 115 which Originates at Ojito Compressor station (Jic. District) and TrK6.

Tank # 4278, 4279, 4280

RECEIVED
JAN - 4 1999
OIL CON. DIV.
DIST. 3

Piggng sludges D&J

Estimated Volume 160 bbls ~~cy~~ Known Volume (to be entered by the operator at the end of the haul) 140 bbls ~~cy~~

SIGNATURE: _____ TITLE: Environmental Specialist DATE: 12-29-98
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Tim Nobis TELEPHONE NO. 334-8894

(This space for State Use)

APPROVED BY: Denny G. Foust TITLE: Geologist DATE: 1/6/99

APPROVED BY: _____ TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name: TIERRA LAND FARM ~~ENERGY DISPOSAL~~
Williams	
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
El Cedro Storage Attach list of originating sites as appropriate	Sec 31, T 29N, R 5W SW1/4, NW1/4 Rio Arriba County, State N.M

4. Source and Description of Waste

Condensate storage tanks used to hold liquids brought in from pigging Trk 115 which originates at Ojito compresson station (Jic district) And Trk 6.

TANK # 4278, 4279, 4280

I, Edward J. Lucero (Print Name) representative for:

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

X **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Edward J. Lucero

Title: Field Superintendent

Date: 12/30/98

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1 Rio Brazos Road
[illegible], NM 87410
District IV - (505) 827-7131

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

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DIST. 3

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DEC 2 1998
Environmental Bureau

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 980129

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Groendyke Transport
Verbal Approval Received: Yes ☒ No ☐ D. Foust	5. Originating Site Henry Production
2. Management Facility Destination Tierra Environmental Landfarm	6. Transporter Tierra Environmental
3. Address of Facility Operator 420 C.R. 3100 Aztec, San Juan County	8. State New Mexico 87410
7. Location of Material (Street Address or ULSTR) 601 S. Carlton	Farmington, NM 87401

9. Circle One:

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

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:
Petroleum Contaminated Soils and floor dry. Generated as a result of approx. 15 gals. of Chevron gas engine oil (HDAX Low Ash SAE 15W-40)(virgin product) released due to a hose failure during trasfer at Henry Production facility. (See attached MSDS)

RECEIVED
DEC 22 1998
OIL CON. DIV.
DIST. 3

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

SIGNATURE: _____ TITLE: Environmental Specialist DATE: 12-18-98
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Tim Nebis TELEPHONE NO. 334-8894

(This space for State Use)

APPROVED BY: _____ TITLE: Geologist DATE: 12/22/98

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 12/28/98

District I - (505) 393-6161
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Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

Form C-13
Originated 8/8/9

Submit Origin
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District Offi

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 980129

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Groendyke Transport
Verbal Approval Received: Yes ☒ No ☐ D. Foust	5. Originating Site Henry Production
2. Management Facility Destination Tierra Environmental Landfarm	6. Transporter Tierra Environmental
3. Address of Facility Operator 420 C.R. 3100 Aztec, San Juan County	8. State New Mexico 87410
7. Location of Material (Street Address or ULSTR) 601 S. Carlton	Farmington, NM 87401

9. Circle One:

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

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:
Petroleum Contaminated Soils and floor dry. Generated as a result of approx. 15 gals. of Chevron gas engine oil (HDAX low Ash SAE 15W-40)(virgin product) released due to a hose failure during trasfer at Henry Production facility. (See attached MSDS)

RECEIVED
DEC 22 1998
OIL CON. DIV.
DIST. 3

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

SIGNATURE: _____ TITLE: Environmental Specialist DATE: 12-18-98
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Tim Nebis TELEPHONE NO. 334-8894

(This space for State Use)

APPROVED BY: Denny G. Foust TITLE: Geologist DATE: 2

APPROVED BY: _____ TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Groendyke Transport, Inc. 2411 Delwood Avenue Durango, Colorado 81301 (970) 247-0306	Tierra Environmental Company, Inc. 420 County Road 3100 Aztec, New Mexico 87410 (505) 334-8894
3. Originating Site (name): Henry Production 601 S. Carlton Avenue Farmington, New Mexico 87401 (505) 327-0422 **Attach list of originating sites as appropriate**	**Location of the Waste (Street address &/or ULSTR):** 601 S. Carlton Avenue Farmington, New Mexico 87401

4. Source and Description of Waste
Petroleum contaminated soils and floor dry. Generated as a result of approximately 15 gallons of Chevron Gas Engine Oil (HDAX Low ASH SAE 15W-40)(virgin product) released due to a hose failure during transfer at the Henry Production facility. See MSDS (Attached).

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

___ **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Kevin Boudreau Agent for Groendyke Transport, Inc.

Title: Technical Representative for Environmental Management, Inc.

Date: 12-17-98

5mg/m3 mist OSHA TWA

ADDITIVES
< 25.0%

ZINC ALKARYL DITHIOPHOSPHATE
Chemical Name: ZINC ALKARYL DITHIOPHOSPHATE
CAS54261675 > 1.0%

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

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS
EYE:
This substance is not expected to cause prolonged or significant eye irritation.
SKIN:
This substance is not expected to cause prolonged or significant skin irritation. 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.
INGESTION:
The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if swallowed.
INHALATION:
The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if inhaled.

4. FIRST AID MEASURES

EYE:
No first aid procedures are required. However, as a precaution flush eyes with fresh water for 15 minutes. Remove contact lenses if worn.
SKIN:
No first aid procedures are required. As a precaution, wash skin thoroughly with soap and water. Remove and wash contaminated clothing.
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.
INHALATION:
Since this material is not expected to be an immediate inhalation problem, no first aid procedures are required.

1-405-282-8533 83' 33 DEC 17'98 16:36

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES
FLASH POINT: (COC) 401F (205C) Min.
AUTOIGNITION: NDA
FLAMMABILITY LIMITS (% by volume in air): Lower: NA Upper: NA
EXTINGUISHING MEDIA:
CO2, Dry Chemical, Foam, Water Fog
NFPA RATINGS: Health 1; Flammability 1; Reactivity 0.
FIRE FIGHTING INSTRUCTIONS:
For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.
COMBUSTION PRODUCTS:
Normal combustion forms carbon dioxide, water vapor and may produce oxides of sulfur, nitrogen and phosphorous.

6. ACCIDENTAL RELEASE MEASURES

CHEMTREC EMERGENCY NUMBER (24 hr): (800)424-9300 or (202)483-7616
ACCIDENTAL RELEASE MEASURES:
Stop the source of the leak or release. Clean up releases as soon as possible. Contain liquid to prevent further contamination of soil, surface water or groundwater. Clean up small spills using appropriate techniques such as sorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.

7. HANDLING AND STORAGE

HANDLING AND STORAGE:
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 drum may rupture with explosive force.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT
EYE/FACE 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:

1-405-282-8533 DEC 17 '98 16:36 P.04/05 831 34

No special respiratory protection is normally required. However, if operating conditions create high airborne concentrations, the use of an approved respirator is recommended.
ENGINEERING CONTROLS:
Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION:
Dark amber liquid.

pH:	NDA
VAPOR PRESSURE:	NA
VAPOR DENSITY (AIR=1):	NA
BOILING POINT:	NA
FREEZING POINT:	NDA
MELTING POINT:	NA
SOLUBILITY:	Soluble in hydrocarbon solvents; insoluble in water.
SPECIFIC GRAVITY:	0.88 @ 15.6/15.6C
DENSITY:	NDA
EVAPORATION RATE:	NA
VISCOSITY:	13.0 cSt @ 100C (Min.)
PERCENT VOLATILE (VOL):	NA

10. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS:
NDA
CHEMICAL STABILITY:
Stable.
CONDITIONS TO AVOID:
No data available.
INCOMPATIBILITY WITH OTHER MATERIALS:
May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
HAZARDOUS POLYMERIZATION:
Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS:
No product toxicology data available. The hazard evaluation was based on data on the components.
SKIN EFFECTS:
No product toxicology data available. The hazard evaluation was based on data on the components.

1-405-282-8533 831 35 DEC 17'98 15:37

ACUTE ORAL EFFECTS:
No product toxicology data available. The hazard evaluation was based on data on the components.
ACUTE INHALATION EFFECTS:
No product toxicology data available. The hazard evaluation was based on data on the components.
ADDITIONAL TOXICOLOGY INFORMATION:
This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

This product contains zinc alkaryl dithiophosphate which is similar in toxicity to zinc alkyl dithiophosphate (ZDDP). Several (ZDDPs) have been reported to have weak mutagenic activity in cultured mammalian cells but only at concentrations that were toxic to the test cells. We do not believe that there is any mutagenic risk to workers exposed to ZDDPs.

12. ECOLOGICAL INFORMATION

ECOTOXICITY:
No data available.
ENVIRONMENTAL FATE:
This material is not expected to present any environmental problems other than those associated with oil spills.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

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

1-405-282-8533 T-831 P06 DEC 17'98 16:37

FEDERAL DOT
DOT HAZARD CLASS: NOT APPLICABLE
DOT IDENTIFICATION NUMBER: NOT APPLICABLE
DOT PACKING GROUP: NOT APPLICABLE

---

15. REGULATORY INFORMATION

SARA 311 CATEGORIES:

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

REGULATORY LISTS SEARCHED:

01=SARA 313	11=NJ RTK	21=TSCA Sect 4(e)
02=MASS RTK	12=CERCLA 302.4	22=TSCA Sect 5(a)(e)(1)
03=NTP Carcinogen	13=MN RTK	23=TSCA Sect 6
04=CA Prop 65-Carcin	14=ACGIH TWA	24=TSCA Sect 12(b)
05=CA Prop 65-Repro Tox	15=ACGIH STEL	25=TSCA Sect 8(a)
06=IARC Group 1	16=ACGIH Calc TLV	26=TSCA Sect 8(d)
07=IARC Group 2A	17=OSHA TWA	28=Canadian WHMIS
08=IARC Group 2B	18=OSHA STEL	29=OSHA CEILING
09=SARA 302/304	19=Chevron TWA	30=Chevron STEL
10=PA RTK	20=EPA Carcinogen	

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

ZINC ALKARYL DITHIOPHOSPHATE
is found on lists: 01,11.
DISTILLATES, HYDROTREATED HEAVY PARAFFINIC
is found on lists: 14,15,17.

---

16. OTHER INFORMATION

NFPA RATINGS: Health 1; Flammability 1; Reactivity 0;
(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 (NFPA) or the National Paint and Coating Association (for HMIS ratings).

REVISION STATEMENT:
This revision updates Section 1 (Product Identification), Section 5 (Fire Fighting Measures) and Section 7 (Storage, Handling and Reactivity) and revises the MSDS to comply with the ANSI Z400.1 Standard.

****

Revision Number: 1 Revision Date: 04/01/98 MSDS Number: 004987
NDA - No Data Available NA - Not Applicable

1-405-282-8533 11 83 07 DEC 17 '98 16:37

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

1-405-282-8533 I 87 708 DEC 17'98 15:38

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEVRON Gas Engine Oil HDAX Low ASH SAE 15W-40

PRODUCT NUMBER(S): CPS232331 CPS238080

COMPANY IDENTIFICATION

Chevron USA Products Company
Environmental, Safety, and Health
575 Market St.
San Francisco, CA 94105-2856

EMERGENCY TELEPHONE NUMBERS

HEALTH (24 hr): (800)231-0623 or
(510)231-0623 (International)
TRANSPORTATION (24 hr): CHEMTREC
(800)424-9300 or (202)483-7616

PRODUCT INFORMATION: (800)822-5823 MSDS Requests
(800)582-3836 Technical

2. COMPOSITION/INFORMATION ON INGREDIENTS

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

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

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

100.0 % CHEVRON Gas Engine Oil HDAX Low ASH SAE 15W-40

CONTAINING

COMPONENTS	AMOUNT	LIMIT/OTV	AGENCY/TYPE
HYDROTREATED DIST., HVY PARA			
Chemical Name: DISTILLATES, HYDROTREATED HEAVY PARAFFINIC			
[64742-54-7]	> 75.0%	5mg/m3 mist	ACGIH TWA
		10mg/m3 mist	ACGIH STEL

Revision Number: 1 Revision Date: 04/01/93 MSDS Number: 004982
NDA - No Data Available NA - Not applicable

Prepared According to the OSHA Hazard Communication Standard (29 CFR 1910.1200) by the Toxicology and Health Risk Assessment Unit, Chevron Research and Technology Company, PO Box 4054, Richmond, CA 94804

. . . 1-405-282-8533 '1 83 '02 DEC 17'98 16:35

District I - (505) 393-6161
P. O. Box 1980
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 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 98121

1. RCRA Exempt: [X] Non-Exempt: [ ] Verbal Approval Received: 11/30/98 Yes [X] No [ ] D. Foust	4. Generator Three River Trucking
	5. Originating Site CR5500 & Hwy 64
2. Management Facility Destination Tierra Environmental Landfarm	6. Transporter McFarland Trucking
3. Address of Facility Operator 4720 C.R. 3100 Aztec, San Juan County	8. State New Mexico
7. Location of Material (Street Address or ULSTR) Intersection of CR. 5500 & Hwy 64	San Juan County, New Mexico

9. Circle One:

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

B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:
Produced water and paraffin spilled from wrecked water truck

RECEIVED
DEC 1 1998
OIL CON. DIV.
DIST. 3

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

SIGNATURE: _____ TITLE: Environmental Specialist DATE: 11-30-98
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Tim Nobis TELEPHONE NO. 334-8894

(This space for State Use)

APPROVED BY: Denny G. Foust TITLE: Geologist DATE: 12/1/98

APPROVED BY: Ernie Busch TITLE: Geologist DATE: 12/1/98

175

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Three Rivers Trucking, Inc 603 E. Murray Drive Farmington, NM 87401	Tierra Environmental Land Farm 420 CR 3100 Aztec, NM 87410

3. Originating Site (name): Intersection of Hwy 64 & CR 5500

Location of the Waste (Street address &/or ULSTR): vacuum truck

Attach list of originating sites as appropriate

4. Source and Description of Waste

produced water from vacuum truck which had wrecked.

I, Cindy Pinkett (Print Name) representative for:

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

X EXEMPT oilfield waste

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

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

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

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

Name (Original Signature): Cindy Pinkett

Title: Sec-Treas

Date: 11-30-98

District I - (505) 393-6161
P. O. Box 1980
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 8/8/95

Submit Original
Plus 1 Copy
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District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

98128

1. RCRA Exempt: ☒ Non-Exempt: ☐	4. Generator Conoco NG&GP
Verbal Approval Received: Yes ☒ 12/11/98 No ☐ D. Foust	5. Originating Site San Juan Gas Plant
2. Management Facility Destination Tierra Environmental Landfarm	6. Transporter Riley Industrial
3. Address of Facility Operator 4620 C.R. 3100 Aztec, San Juan County	8. State New Mexico 87410
7. Location of Material (Street Address or ULSTR) 61 C.R. 4900	Bloomfield, NM 87413

9. Circle One:

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

B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:
Sulfa Check System - H_2S treating/scrubbing liquid
Champion - Gas treat 102

RECEIVED
DEC 22 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 300 bbls or Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: _____ TITLE: Environmental Specalist DATE: 12-15-98
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Tim Nobis TELEPHONE NO. 334-8894

(This space for State Use)

APPROVED BY: Denny G. Foust TITLE: Geologist DATE: 12/22/98

APPROVED BY: _____ TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Conoco Inc.-NG&GP San Juan Gas Plant 61 CR 4900 Bloomfield, NM 87413	Tierra Environmental Co., Inc. Tierra Land Farm Faclity 420 CR 3100 Aztec, San Juan County NM 87410
3. Originating Site (name): Same As Above (Generator) Attach list of originating sites as appropriate	**Location of the Waste (Street address &/or ULSTR):**
4. Source and Description of Waste Sulfa Check System - H2S treating/scrubbing liquid Champion - Gas Treat 102 For the month of December	

I, Richard R. Theander (Print Name) representative for:

Conoco, Inc. NG&GP, San Juan Gas Plant do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

xx **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Richard R. Theander

Title: Process Foreman

Date: 12-10-98

Spent solution will be transported #2 above on 12-15-98.

rict I - (505) 393-6161
Box 1980
bbs, NM 88241-1980
rict II - (505) 748-1283
S. First
esia, NM 88210
rict III - (505) 334-6178
1000 Rio Brazos Road
c, NM 87410
rict IV - (505) 827-7131

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

Originated 3/8/95

Submit Original Plus 1 Copy to appropriate District Office

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DEC 0 1998
Environmental

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

98104

RECEIVED
DEC - 7 1998
OIL CON. DIV.
DIST. 3

1. RCRA Exempt: ☐ Non-Exempt: ☒

Verbal Approval Received: Yes ☐ No

2. Management Facility Destination: Tierra Environmental Landfarm

3. Address of Facility Operator: 420 C.R. 3100 Aztec, San Juan County

4. Generator: Four-Four Inc.

5. Originating Site: ½ mile south of Navajo Dam Hwy 539

6. Transporter: Four-Four Inc.

8. State: New Mexico

7. Location of Material (Street Address or ULSTR): ½ mile South of Navajo Dam Hwy 539, San Juan County, New Mexico

9. Circle One:

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

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:

Hydrocarbon Contaminated Soil from an overturned field service truck.

Includes diesel, new and used lube oil,

RECEIVED
DEC 1 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 170 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: _____ TITLE: Environmental Specialist DATE: 11/23/98
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Tim Nobis TELEPHONE NO. 334-8894

(This space for State Use)

APPROVED BY: Denny G. Foust TITLE: Geologist DATE: 12/1/98

APPROVED BY: _____ TITLE: Env Geologist DATE: 12/3/98

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1 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

Originated 8/8/9

Submit Origin: Plus 1 Cop to appropriat District Offic

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 98104

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Four-Four Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site ½ mile south of Navajo Dam Hwy 539
2. Management Facility Destination Tierra Environmental Landfarm	6. Transporter Four-Four Inc.
3. Address of Facility Operator 420 C.R. 3100 Aztec, San Juan County	8. State New Mexico
7. Location of Material (Street Address or ULSTR) ½ mile South of Navajo Dam Hwy. 539	San Juan County, New Mexico

9. Circle One:

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

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:
Hydrocarbon Contaminated Soil from an overturned field service truck.

Includes diesel, new and used lube oil.

RECEIVED
DEC 1 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 170 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: _____ TITLE: Environmental Specialist. DATE: 11/23/98
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Tim Nobis TELEPHONE NO. 334-8894

(This space for State Use)

APPROVED BY: Denny G. Foust TITLE: Geologist DATE: 12/1/98

APPROVED BY: _____ TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Four-Four Inc. 3000 East Bloomfield Highway Farmington, NM 87401	Tierra Environmental Co. Inc. 420 County Road 3100 Aztec, NM 87410
3. Originating Site (name): ½ mile south of the Navajo Dam State Route 539 Attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Tierra Environmental Co. Inc. 420 County Road 3100 Aztec, NM 87410
4. Source and Description of Waste Hydrocarbon contaminated soil from an overturned field service truck.	

I, Mike Hall representative for:

Four-Four Inc. do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1998, regulatory determination, the above-described waste is: (Check appropriate classification)

_____ **EXEMPT** oilfield waste

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

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

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

_____ MSDS Information

X Other (description): Laboratory Results

_____ RCRA Hazardous Waste Analysis

_____ Chain of Custody

Name (Original Signature): Mike Hall

Title: General Manager

Date: 11/23/98

OFF: (505) 325-5667

ON SITE TECHNOLOGIES, LTD.

LAB: (505) 325-1556

ANALYTICAL REPORT

Date: *20-Nov-98*

Client:	On Site Technologies, Limited Partnership	**Client Sample Info:**	S.R. 539, Delusso Loop Rd Spill
Work Order:	9810084	**Client Sample ID:**	"Worst Case" Stockpile 6pt. Comp
Lab ID:	9810084-01A **Matrix:** SOIL	**Collection Date:**	10/27/98 11:00:00 PM
Project:	4-1532	**COC Record:**	5586

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		**SW8015**				Analyst: **HR**
T/R Hydrocarbons: C10-C28	16000	250		mg/Kg	10	11/10/98
GASOLINE RANGE ORGANICS		**SW8015**				Analyst: **DC**
T/R Hydrocarbons: C6-C10	440	45		mg/Kg	250	10/30/98
BTEX		**SW8020A**				Analyst: **DC**
Benzene	410	250		µg/Kg	250	10/29/98
Toluene	4900	500		µg/Kg	250	10/29/98
Ethylbenzene	4600	250		µg/Kg	250	10/29/98
m,p-Xylene	22000	500		µg/Kg	250	10/29/98
o-Xylene	9100	250		µg/Kg	250	10/29/98

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

P.O. BOX 2606 • FARMINGTON, NM 87499

Analytical Report

Mountain States Analytical, Inc.
The Quality Solution

On Site Technologies, Ltd.
612 E Murray Drive
Farmington, NM 87401

Attn: Mr. David Cox
Project: Solid Analysis

MSAI Sample: 88859
MSAI Group: 24652
Date Reported: 11/11/98
Discard Date: 12/11/98
Date Submitted: 10/29/98
Date Sampled: 10/27/98
Collected by:
Purchase Order:
Project No.: 9810084

Sample ID: 9810084-01B
Matrix: Soil

S.R.539, Delusso Loop Road Spill "Worst Case" Stockpile 6pt. Comp.

Test	Analysis	Results as Received	Units	Dilution Factor		Limit of Quantitation
0259T	Mercury by CVAA, TCLP, 7470	ND	mg/l	1		0.0005
	Method: SW-846 7470					
0392N	Mercury Prep CVAA, TCLP, 7470	Batch. w269		1		
	Method: SW-846 7470					
0393T	Flame/hrICP Prep, TCLP, 3010A	Batch. w738		1		
	Method: SW-846 3010A					
13004	Metals by hrICP, TCLP (UTS)					
	Method: SW-846 6010A					
	Arsenic	ND	mg/l	1		0.08
	Barium	1.02	mg/l	1		1.00
	Cadmium	ND	mg/l	1		0.005
	Chromium	ND	mg/l	1		0.03
	Lead	ND	mg/l	1		0.08
	Selenium	ND	mg/l	1		0.08
	Silver	ND	mg/l	1		0.02
0395	Corrosivity, sw, 9045C	7.88	Std. Units	1		0.05
	Method: SW-846 9045C					
0542	Ignitability, sw					
	Method: MSAI IN HOUSE					
	Ignitable upon water contact	Negative	Degrees F	1		
	Ignitable by friction	Negative	Degrees F	1		
	Spontaneously combusts in air	Negative	Degrees F	1		
	Ignitability	>146	Degrees F	1	(1)	50
0947J	TCLP Extraction, hrICP, Metals	100	% solids	1		0.001
	Method: SW-846 1311					

Mountain States Analytical, Inc.
The Quality Solution

On Site Technologies, Ltd.

MSAI Sample: 88859
MSAI Group: 24652

Sample ID: 9810084-01B

Test	Analysis	Results as Received	Units	Dilution Factor	Limit of Quantitation
0947M	TCLP Extraction, Mercury, 1311 Method: SW-846 1311	100	% Solids	1	0.001
1121	Reactivity, (Cyanide & Sulfide)sw Method: SW-846 CHAPTER 7.3				
	Cyanide (Reactive)	ND	mg/kg	1	55
	Sulfide (reactive)	ND	mg/kg	1	120

(1) Sample did not ignite up to 146 F.

ND - Not detected at the Limit of Quantitation.

This report consists of the following items: A cover letter, a signed analytical report for each sample specified on the cover letter, and if applicable, an inorganic quality control summary. Organic sample reports contain footnotes which describe any quality control anomalies which may have occurred.

Respectfully Submitted,
Reviewed and Approved by:

Rolf E. Larsen
Project Manager

Corporate Office: 1645 West 2200 South • Salt Lake City, Utah 84119
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MEMBER

OFF: (505) 325-5667

ON SITE
TECHNOLOGIES, LTD.

LAB: (505) 325-1556

November 20, 1998

Cindy Gray
On Site Technologies, Limited Partnership
612 E. Murray Drive
P.O. Box 2606
Farmington, NM 87499
TEL: (505) 325-5667
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RE: 4-1532 Order No.: 9810084

Dear Cindy Gray,

On Site Technologies, LTD. received 1 sample on 10/28/98 for the analyses presented in the following report.

The Samples were analyzed for the following tests:

AQPREP TOTAL METALS: ICP (SW3010A)
BTEX (SW8020A)
CORROSIVITY by pH (SW9045B)
CYANIDE, Reactive (SW7.3.3.2)
Diesel Range Organics (SW8015)
Gasoline Range Organics (SW8015)
ICP METALS, TCLP Leached (SW1311/6010A)
IGNITABILITY (SW1010)
MERCURY, TCLP Leached (SW7470)
SULFIDE, Reactive (SW7.3.4.2)
TCLP Sample Prep (Metals) (SW1311)

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

David Cox

OFF: (505) 325-5667

ON SITE
TECHNOLOGIES, LTD.

LAB: (505) 325-1556

On Site Technologies, LTD. **Date:** *20-Nov-98*

CLIENT: On Site Technologies, Limited Partnership
Project: 4-1532
Lab Order: 9810084

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

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

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

P.O. BOX 2606 • FARMINGTON, NM 87499

On Site Technologies, LTD.

Date: *20-Nov-98*

CLIENT: On Site Technologies, Limited Partnership
Work Order: 9810084
Project: 4-1532

QC SUMMARY REPORT

Method Blank

Sample ID: **MB1** Batch ID: **GC-2_981110** Test Code: **SW8015** Units: **mg/Kg** Analysis Date **11/10/98** Prep Date: **11/5/98**

Client ID: **9810084** Run ID: **GC-2_981110A** SeqNo: **8575**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C10-C28	ND	25									

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: *20-Nov-98*

CLIENT: On Site Technologies, Limited Partnership
Work Order: 9810084
Project: 4-1532

QC SUMMARY REPORT

Sample Duplicate

Sample ID: **9810085-04AD** Batch ID: **GC-2_981110** Test Code: **SW8015** Units: **mg/Kg** Analysis Date **11/10/98** Prep Date: **11/10/98**

Client ID: **9810084** Run ID: **GC-2_981110A** SeqNo: **8598**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C10-C28	1026	25	0	0	0.0%	0	0	1092	6.3%	15	

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: *20-Nov-98*

CLIENT: On Site Technologies, Limited Partnership
Work Order: 9810084
Project: 4-1532

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: **9810090-01AMS** Batch ID: **GC-2_981110** Test Code: **SW8015** Units: **mg/Kg** Analysis Date **11/10/98** Prep Date: **11/10/98**

Client ID: **9810084** Run ID: **GC-2_981110A** SeqNo: **8599**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C10-C28	465.3	25	502	0	92.7%	70	130				

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: *20-Nov-98*

CLIENT: On Site Technologies, Limited Partnership
Work Order: 9810084
Project: 4-1532

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: **LCS Soil** Batch ID: **GC-2_981110** Test Code: **SW8015** Units: **mg/Kg** Analysis Date **11/10/98** Prep Date: **11/5/98**

Client ID: **9810084** Run ID: **GC-2_981110A** SeqNo: **8577**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C10-C28	514.8	25	501.9	0	102.6%	70	130				

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: *20-Nov-98*

CLIENT: On Site Technologies, Limited Partnership
Work Order: 9810084
Project: 4-1532

QC SUMMARY REPORT
Continuing Calibration Verification Standard

Sample ID: **CCV1 DRO_98110** Batch ID: **GC-2_981110** Test Code: **SW8015** Units: **mg/Kg** Analysis Date **11/10/98** Prep Date:
Client ID: **9810084** Run ID: **GC-2_981110A** SeqNo: **8576**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C10-C28	434	25	501.9	0	86.5%	85	115				

Sample ID: **CCV2 DRO_98110** Batch ID: **GC-2_981110** Test Code: **SW8015** Units: **mg/Kg** Analysis Date **11/10/98** Prep Date:
Client ID: **9810084** Run ID: **GC-2_981110A** SeqNo: **8600**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C10-C28	428.2	25	501.9	0	85.3%	85	115				

Sample ID: **CCV3 DRO_98110** Batch ID: **GC-2_981110** Test Code: **SW8015** Units: **mg/Kg** Analysis Date **11/10/98** Prep Date:
Client ID: **9810084** Run ID: **GC-2_981110A** SeqNo: **8601**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C10-C28	460.4	25	501.9	0	91.7%	85	115				

Sample ID: **CCV4 DRO_98110** Batch ID: **GC-2_981110** Test Code: **SW8015** Units: **mg/Kg** Analysis Date **11/10/98** Prep Date: **11/10/98**
Client ID: **9810084** Run ID: **GC-2_981110A** SeqNo: **8602**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C10-C28	451.4	25	502	0	89.9%	85	115				

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: *20-Nov-98*

CLIENT: On Site Technologies, Limited Partnership
Work Order: 9810084
Project: 4-1532

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: **9810080-01AMS** Batch ID: **GC-1_981030** Test Code: **SW8015** Units: **mg/Kg** Analysis Date **10/30/98** Prep Date:
Client ID: **9810084** Run ID: **GC-1_981030A** SeqNo: **8292**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C10	1.714	0.18	1.801	0	95.2%	52	123				

Sample ID: **9810080-01AMSD** Batch ID: **GC-1_981030** Test Code: **SW8015** Units: **mg/Kg** Analysis Date **10/30/98** Prep Date:
Client ID: **9810084** Run ID: **GC-1_981030A** SeqNo: **8293**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C10	1.68	0.18	1.801	0	93.3%	52	123	1.714	2.0%	14	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: *20-Nov-98*

CLIENT: On Site Technologies, Limited Partnership
Work Order: 9810084
Project: 4-1532

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: **LCS Soil** Batch ID: **GC-1_981030** Test Code: **SW8015** Units: **mg/Kg** Analysis Date **10/30/98** Prep Date:

Client ID: **9810084** Run ID: **GC-1_981030A** SeqNo: **8290**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C10	1.733	0.18	1.801	0	96.2%	52	123				

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: *20-Nov-98*

CLIENT: On Site Technologies, Limited Partnership
Work Order: 9810084
Project: 4-1532

QC SUMMARY REPORT

Continuing Calibration Verification Standard

Sample ID: **CCV1 QC0613** Batch ID: **GC-1_981030** Test Code: **SW8015** Units: **mg/Kg** Analysis Date **10/30/98** Prep Date:
Client ID: **9810084** Run ID: **GC-1_981030A** SeqNo: **8289**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C10	1.89	0.18	1.801	0	104.9%	85	115				
Trifluorotoluene	.0801	0	0.08	0	100.1%	70	130				

Sample ID: **CCV2 QC0613** Batch ID: **GC-1_981030** Test Code: **SW8015** Units: **mg/Kg** Analysis Date **10/30/98** Prep Date:
Client ID: **9810084** Run ID: **GC-1_981030A** SeqNo: **8304**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C10	1.941	0.18	1.801	0	107.8%	85	115				
Trifluorotoluene	.0811	0	0.08	0	101.4%	70	130				

Sample ID: **CCV3 QC0613** Batch ID: **GC-1_981030** Test Code: **SW8015** Units: **mg/Kg** Analysis Date **10/30/98** Prep Date:
Client ID: **9810084** Run ID: **GC-1_981030A** SeqNo: **8305**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C10	1.944	0.18	1.801	0	107.9%	85	115				
Trifluorotoluene	.0882	0	0.08	0	110.3%	70	130				

Sample ID: **CCV4 QC0613** Batch ID: **GC-1_981030** Test Code: **SW8015** Units: **mg/Kg** Analysis Date **10/30/98** Prep Date:
Client ID: **9810084** Run ID: **GC-1_981030A** SeqNo: **8306**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C10	1.973	0.18	1.801	0	109.5%	85	115				
Trifluorotoluene	.0905	0	0.08	0	113.1%	70	130				

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: On Site Technologies, Limited Partnership
Work Order: 9810084
Project: 4-1532

QC SUMMARY REPORT
Continuing Calibration Verification Standard

Sample ID: **CCV5 QC0613** Batch ID: **GC-1_981030** Test Code: **SW8015** Units: **mg/Kg** Analysis Date **10/30/98** Prep Date:
Client ID: **9810084** Run ID: **GC-1_981030A** SeqNo: **8310**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C10	1.954	0.18	1.801	0	108.5%	85	115				
Trifluorotoluene	.0886	0	0.08	0	110.8%	70	130				

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: *20-Nov-98*

CLIENT: *On Site Technologies, Limited Partnership*
Work Order: 9810084
Project: 4-1532

QC SUMMARY REPORT
Method Blank

Sample ID: **MB1** Batch ID: **GC-1_981028** Test Code: **SW8020A** Units: **µg/Kg** Analysis Date **10/28/98** Prep Date:
Client ID: **9810084** Run ID: **GC-1_981028A** SeqNo: **8187**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	1									
Ethylbenzene	ND	1									
m,p-Xylene	ND	2									
o-Xylene	.5945	1									J
Toluene	ND	2									

Sample ID: **MB1** Batch ID: **GC-1_981029** Test Code: **SW8020A** Units: **µg/Kg** Analysis Date **10/29/98** Prep Date:
Client ID: **9810084** Run ID: **GC-1_981029A** SeqNo: **8231**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	1									
Ethylbenzene	ND	1									
m,p-Xylene	ND	2									
o-Xylene	ND	1									
Toluene	.7155	2									J

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: *20-Nov-98*

CLIENT: On Site Technologies, Limited Partnership
Work Order: 9810084
Project: 4-1532

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: **9810072-01AMS** Batch ID: **GC-1_981028** Test Code: **SW8020A** Units: **µg/Kg** Analysis Date **10/28/98** Prep Date:
Client ID: **9810084** Run ID: **GC-1_981028A** SeqNo: **8188**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	60.53	1	60	0	100.9%	71	116				
Ethylbenzene	59.86	1	60	0.5984	98.8%	68	120				
m,p-Xylene	120.9	2	120	3.002	98.3%	60	121				
o-Xylene	59.58	1	60	1.486	96.8%	69	124				
Toluene	62.02	2	60	1.835	100.3%	62	128				

Sample ID: **9810072-01AMSD** Batch ID: **GC-1_981028** Test Code: **SW8020A** Units: **µg/Kg** Analysis Date **10/28/98** Prep Date:
Client ID: **9810084** Run ID: **GC-1_981028A** SeqNo: **8189**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	59.74	1	60	0	99.6%	71	116	60.53	1.3%	15	
Ethylbenzene	58.79	1	60	0.5984	97.0%	68	120	59.86	1.8%	15	
m,p-Xylene	119	2	120	3.002	96.7%	60	121	120.9	1.6%	15	
o-Xylene	58.85	1	60	1.486	95.6%	69	124	59.58	1.2%	15	
Toluene	61.31	2	60	1.835	99.1%	62	128	62.02	1.2%	15	

Sample ID: **9810080-01AMS** Batch ID: **GC-1_981029** Test Code: **SW8020A** Units: **µg/Kg** Analysis Date **10/29/98** Prep Date:
Client ID: **9810084** Run ID: **GC-1_981029A** SeqNo: **8232**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	54.94	1	60	0	91.6%	71	116				
Ethylbenzene	52.69	1	60	0	87.8%	68	120				
m,p-Xylene	99.51	2	120	0.9785	82.1%	60	121				
o-Xylene	60.45	1	60	0.507	99.9%	69	124				
Toluene	55.82	2	60	0	93.0%	62	128				

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: On Site Technologies, Limited Partnership
Work Order: 9810084
Project: 4-1532

QC SUMMARY REPORT
Sample Matrix Spike Duplicate

Sample ID: **9810080-01AMSD** Batch ID: **GC-1_981029** Test Code: **SW8020A** Units: **µg/Kg** Analysis Date **10/29/98** Prep Date:
Client ID: **9810084** Run ID: **GC-1_981029A** SeqNo: **8233**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	52.9	1	60	0	88.2%	71	116	54.94	3.8%	15	
Ethylbenzene	50.19	1	60	0	83.7%	68	120	52.69	4.9%	15	
m,p-Xylene	97.73	2	120	0.9785	80.6%	60	121	99.51	1.8%	15	
o-Xylene	58.84	1	60	0.507	97.2%	69	124	60.45	2.7%	15	
Toluene	53.75	2	60	0	89.6%	62	128	55.82	3.8%	15	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: *20-Nov-98*

CLIENT: On Site Technologies, Limited Partnership
Work Order: 9810084
Project: 4-1532

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: **LCS SOIL** Batch ID: **GC-1_981028** Test Code: **SW8020A** Units: **µg/Kg** Analysis Date **10/28/98** Prep Date:

Client ID: **9810084** Run ID: **GC-1_981028A** SeqNo: **8186**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	61.22	1	60	0	102.0%	71	116				
Ethylbenzene	60.9	1	60	0	101.5%	68	120				
m,p-Xylene	121.6	2	120	0	101.4%	60	121				
o-Xylene	60.77	1	60	0.5945	100.3%	69	124				
Toluene	61.38	2	60	0	102.3%	62	128				

Sample ID: **LCS SOIL** Batch ID: **GC-1_981029** Test Code: **SW8020A** Units: **µg/Kg** Analysis Date **10/29/98** Prep Date:

Client ID: **9810084** Run ID: **GC-1_981029A** SeqNo: **8230**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	60.46	1	60	0	100.8%	71	116				
Ethylbenzene	60.52	1	60	0	100.9%	68	120				
m,p-Xylene	121	2	120	0	100.8%	60	121				
o-Xylene	60.49	1	60	0	100.8%	69	124				
Toluene	60.65	2	60	0.7155	99.9%	62	128				

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: *20-Nov-98*

CLIENT: On Site Technologies, Limited Partnership
Work Order: 9810084
Project: 4-1532

QC SUMMARY REPORT

Continuing Calibration Verification Standard

Sample ID: **CCV1 QC0606/07** Batch ID: **GC-1_981028** Test Code: **SW8020A** Units: **µg/Kg** Analysis Date **10/28/98** Prep Date:
Client ID: **9810084** Run ID: **GC-1_981028A** SeqNo: **8183**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	57.41	1	60	0	95.7%	85	115				
Ethylbenzene	57.77	1	60	0	96.3%	85	115				
m,p-Xylene	115.8	2	120	0	96.5%	85	115				
o-Xylene	57.69	1	60	0	96.2%	85	115				
Toluene	58.33	2	60	0	97.2%	85	115				
1,4-Difluorobenzene	81.19	0	80	0	101.5%	70	130				
4-Bromochlorobenzene	80.05	0	80	0	100.1%	50	150				
Fluorobenzene	79.75	0	80	0	99.7%	70	130				

Sample ID: **CCV2 QC0606/07** Batch ID: **GC-1_981028** Test Code: **SW8020A** Units: **µg/Kg** Analysis Date **10/28/98** Prep Date:
Client ID: **9810084** Run ID: **GC-1_981028A** SeqNo: **8184**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	61.8	1	60	0	103.0%	85	115				
Ethylbenzene	60.24	1	60	0	100.4%	85	115				
m,p-Xylene	120	2	120	0	100.0%	85	115				
o-Xylene	60.3	1	60	0	100.5%	85	115				
Toluene	61.8	2	60	0	103.0%	85	115				
1,4-Difluorobenzene	81.23	0	80	0	101.5%	70	130				
4-Bromochlorobenzene	80.11	0	80	0	100.1%	50	150				
Fluorobenzene	80.95	0	80	0	101.2%	70	130				

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: On Site Technologies, Limited Partnership
Work Order: 9810084
Project: 4-1532

QC SUMMARY REPORT
Continuing Calibration Verification Standard

Sample ID: **CCV3 QC0606/07** Batch ID: **GC-1_981028** Test Code: **SW8020A** Units: **µg/Kg** Analysis Date **10/28/98** Prep Date:
Client ID: **9810084** Run ID: **GC-1_981028A** SeqNo: **8185**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	59.68	1	60	0	99.5%	85	115				
Ethylbenzene	57.8	1	60	0	96.3%	85	115				
m,p-Xylene	114.7	2	120	0	95.6%	85	115				
o-Xylene	61.63	1	60	0	102.7%	85	115				
Toluene	59.42	2	60	0	99.0%	85	115				
1,4-Difluorobenzene	81.1	0	80	0	101.4%	70	130				
4-Bromochlorobenzene	91.36	0	80	0	114.2%	50	150				
Fluorobenzene	80.65	0	80	0	100.8%	70	130				

Sample ID: **CCV1 QC0606/07** Batch ID: **GC-1_981029** Test Code: **SW8020A** Units: **µg/Kg** Analysis Date **10/29/98** Prep Date:
Client ID: **9810084** Run ID: **GC-1_981029A** SeqNo: **8228**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	61.49	1	60	0	102.5%	85	115				
Ethylbenzene	61.47	1	60	0	102.5%	85	115				
m,p-Xylene	123.3	2	120	0	102.7%	85	115				
o-Xylene	61.46	1	60	0	102.4%	85	115				
Toluene	61.59	2	60	0	102.6%	85	115				
1,4-Difluorobenzene	81.43	0	80	0	101.8%	70	130				
4-Bromochlorobenzene	87.32	0	80	0	109.1%	50	150				
Fluorobenzene	80.71	0	80	0	100.9%	70	130				

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: On Site Technologies, Limited Partnership
Work Order: 9810084
Project: 4-1532

QC SUMMARY REPORT
Continuing Calibration Verification Standard

Sample ID: **CCV2 QC0606/07** Batch ID: **GC-1_981029** Test Code: **SW8020A** Units: **µg/Kg** Analysis Date **10/29/98** Prep Date:
Client ID: **9810084** Run ID: **GC-1_981029A** SeqNo: **8229**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	61.04	1	60	0	101.7%	85	115				
Ethylbenzene	61.54	1	60	0	102.6%	85	115				
m,p-Xylene	119.6	2	120	0	99.7%	85	115				
o-Xylene	59.64	1	60	0	99.4%	85	115				
Toluene	61.9	2	60	0	103.2%	85	115				
1,4-Difluorobenzene	82.17	0	80	0	102.7%	70	130				
4-Bromochlorobenzene	103.5	0	80	0	129.3%	50	150				
Fluorobenzene	81.34	0	80	0	101.7%	70	130				

Sample ID: **CCV3 QC0606/07** Batch ID: **GC-1_981029** Test Code: **SW8020A** Units: **µg/Kg** Analysis Date **10/30/98** Prep Date:
Client ID: **9810084** Run ID: **GC-1_981029A** SeqNo: **8221**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	57.2	1	60	0	95.3%	85	115				
Ethylbenzene	55.41	1	60	0	92.4%	85	115				
m,p-Xylene	109.5	2	120	0	91.3%	85	115				
o-Xylene	56.19	1	60	0	93.6%	85	115				
Toluene	56.9	2	60	0	94.8%	85	115				
1,4-Difluorobenzene	81.34	0	80	0	101.7%	70	130				
4-Bromochlorobenzene	82.79	0	80	0	103.5%	50	150				
Fluorobenzene	80.6	0	80	0	100.8%	70	130				

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 20-Nov-98

CLIENT: On Site Technologies, Limited Partnership
Work Order: 9810084
Project: 4-1532
Test No: SW8020A

QC SUMMARY REPORT
SURROGATE RECOVERIES

BTEX

Sample ID	14FBZ	4BCBZ	FLBZ					
9810068-02A	103	102	102					
9810069-01A	90	86.9	102					
9810070-02A	86.2	87.8	99.6					
9810070-05A	85.7	96.6	99.2					
9810070-06A	82.3	92.3	101					
9810070-07A	89.1	99.5	101					
9810070-08A	86.1	94.2	98.2					
9810071-04A	88.4	90	94.5					
9810071-06A	103	114	101					
9810072-01A	102	104	101					
9810072-01AMS	102	94.2	100					
9810072-01AMSD	101	94.1	100					
9810073-01A	81.7	80.3	96.3					
9810073-02A	103	107	102					
9810080-01A	103	110	102					
9810080-01AMS	101	100	100					
9810080-01AMSD	102	102	101					
9810082-01A	103	89.3	103					
9810084-01A	104	150	102					
CCV1 QC0606/07	102	109	101					
CCV2 QC0606/07	103	129	102					
CCV3 QC0606/07	102	103	101					
LCS SOIL	101	103	101					
MB1	103	112	102					

Acronym		Surrogate	QC Limits
14FBZ	=	1,4-Difluorobenzene	70-130
4BCBZ	=	4-Bromochlorobenzene	50-150
FLBZ	=	Fluorobenzene	70-130

*** Surrogate recovery outside acceptance limits**

RECEIVED NOV 19 1998

Mountain States Analytical, Inc.

The Quality Solution

November 11, 1998

Mr. David Cox
On Site Technologies, Ltd.
612 E Murray Drive
Farmington, NM 87401

Reference:
Project: Solid Analysis
Project No.: 9810084
MSAI Group: 24652

Dear Mr. Cox:

Enclosed are the analytical results for your project referenced above. The following sample is included in the report.

9810084-01B

All holding times were met for the tests performed on these samples.

Thank you for selecting Mountain States Analytical, Inc. to serve as your analytical laboratory on this project. If you have any questions concerning these results, please feel free to contact me at any time.

We look forward to working with you on future projects.

With Regards,

Rolf E. Larsen
Project Manager

[illegible] · Salt Lake City, Utah 84119
[illegible]
e-mail: service@msalabs.com

Mountain States Analytical, Inc.
Daily QC Batching Data
Data Released for Reporting

11/11/98
15:13:53
Group: 24652

Analysis Batch Number: 0259T-11/10/98-147 -1
Test Identification : 0259T-Mercury by CVAA, TCLP, 7470 Sequence : 0259T-1
Number of Samples : 18
Batch Data-Date/Time : 11/10/98 / 15:05:36

BLANK#	ANALYTE	CONC FOUND #	CONC LIMIT
PBW1-269	Mercury	0.0090	0.1000
PBW2-269-2	Mercury	0.0380	0.1000

SPIKE

SAMPLE#	ANALYTE	CONC ADDED	CONC SAMPLE	CONC SPIKE	% REC #	QC LIMITS LOWER	QC LIMITS UPPER
24707-89065	Mercury	25.0000	-0.0800	22.8580	91.8	80.0	115.0
24707-89065-2	Mercury	25.0000	-0.0800	16.6930	67.1	50.0	150.0
24645-88838-3	Mercury	25.0000	0.1430	23.3770	92.9	50.0	150.0
24722-89323-4	Mercury	25.0000	0.5370	19.8250	77.2	50.0	150.0

MSD

SAMPLE#	ANALYTE	CONC ADDED	CONC SAMPLE	RESULT 2	%REC2 #	QC LIMITS LOWER	QC LIMITS UPPER	RPD #	LIMIT
24707-89065	Mercury	25.0000	-0.0800	24.3530	97.7	80.0	115.0	6.3	20.0

DUPLICATE

SAMPLE#	ANALYTE	RESULT 1	RESULT 2	RPD #	LIMIT	DILUTION
24707-89065	Mercury	-0.0800	-0.0780	2.5	20.0	1.00

CONTROL

SAMPLE#	ANALYTE	CONC FOUND	CONC KNOWN	% REC #	QC LIMITS LOWER	QC LIMITS UPPER
LCSW-269	Mercury	2.5230	2.5000	100.9	80.0	115.0

CCV #	ANALYTE	TRUE VALUE	BATCH READ	% REC #	QC LIMITS LOWER	QC LIMITS UPPER
ICV-	Mercury	3.0000	2.7510	91.7	90.0	110.0
CCV--2	Mercury	5.0000	5.0280	100.6	80.0	120.0
CCV--3	Mercury	5.0000	4.9360	98.7	80.0	120.0
CCV--4	Mercury	5.0000	4.9430	98.9	80.0	120.0
CCV--5	Mercury	5.0000	4.9520	99.0	80.0	120.0
CCV--6	Mercury	5.0000	4.8960	97.9	80.0	120.0

CCB#	ANALYTE	CONC FOUND #	CONC LIMIT
ICB-	Mercury	-0.0130	0.1000
CCB-	Mercury	0.0190	0.1000
CCB-	Mercury	-0.0380	0.1000
CCB-	Mercury	-0.0270	0.1000
CCB-	Mercury	-0.0430	0.1000
CCB-	Mercury	-0.0710	0.1000

Groups & Samples

24638-88808	24645-88838	24652-88859	24698-89019	24707-89065	24707-89066	24707-89067	24707-89068
24707-89069	24716-89112	24716-89113	24716-89114	24716-89115	24722-89323	24771-89322	24771-89324
24772-89323	24777-89371	24784-89412					

Mountain States Analytical, Inc.
Daily QC Batching Data
Data Released for Reporting

11/11/98
15:13:53
Group: 24652

Analysis Batch Number: HREXT-11/09/98-114 -2
Test Identification : HREXT-Metals for hr TCLP, by ICP Sequence : DATQ313
Number of Samples : 16
Batch Data-Date/Time : 11/10/98 / 08:25:33

BLANK#	ANALYTE	CONC FOUND #	CONC LIMIT
PBW1-738	Silver	0.0028	0.0030
	Arsenic	ND	0.0150
	Barium	0.0011	0.0020
	Cadmium	0.0001	0.0010
	Chromium	0.0031	0.0050
	Copper	0.0026	0.0050
	Lead	0.0038	0.0150
	Selenium	0.0123	0.0150
	Thallium	0.0042	0.0080
	Zinc	0.0135	0.0150
PBW2-738-2	Silver	0.0021	0.0030
	Arsenic	0.0005	0.0150
	Barium	0.0010	0.0020
	Cadmium	0.0001	0.0010
	Chromium	0.0005	0.0050
	Copper	0.0012	0.0050
	Lead	ND	0.0150
	Selenium	0.0045	0.0150
	Thallium	0.0070	0.0080
	Zinc	0.0105	0.0150

SPIKE						QC LIMITS	
SAMPLE#	ANALYTE	CONC ADDED	CONC SAMPLE	CONC SPIKE	% REC #	LOWER	UPPER
24645-88838	Silver	0.1000	0.0001	0.0968	96.6	80.0	120.0
	Arsenic	5.0000	-0.0004	5.5839	111.7	80.0	120.0
	Barium	10.0000	1.2016	11.3403	101.4	80.0	120.0
	Cadmium	0.1000	0.0034	0.0906	87.2	80.0	120.0
	Chromium	0.5000	0.0046	0.4909	97.3	80.0	120.0
	Copper	0.5000	0.0070	0.4665	91.9	80.0	120.0
	Lead	0.5000	0.0358	0.4904	90.9	80.0	120.0
	Selenium	5.0000	0.0177	5.5746	111.1	80.0	120.0
	Thallium	0.2000	0.0105	0.1931	91.3	80.0	120.0
	Zinc	5.0000	0.1010	4.7961	93.9	80.0	120.0
24645-88838-2	Silver	0.1000	0.0001	0.0975	97.4	80.0	120.0
	Arsenic	5.0000	-0.0004	5.6541	113.1	80.0	120.0
	Barium	10.0000	1.2016	11.3479	101.5	80.0	120.0
	Cadmium	0.1000	0.0034	0.0981	94.7	80.0	120.0
	Chromium	0.5000	0.0046	0.4926	97.6	80.0	120.0
	Copper	0.5000	0.0070	0.5086	100.3	80.0	120.0
	Lead	0.5000	0.0358	0.5047	93.8	80.0	120.0
	Selenium	5.0000	0.0177	5.4450	108.5	80.0	120.0
	Thallium	0.2000	0.0105	0.1980	93.7	80.0	120.0
	Zinc	5.0000	0.1010	4.8122	94.2	80.0	120.0
24707-89065-3	Silver	0.1000	0.0015	0.0972	95.6	80.0	120.0
	Arsenic	5.0000	0.0005	5.3364	106.7	80.0	120.0
	Barium	10.0000	0.2850	10.1754	98.9	80.0	120.0
	Cadmium	0.1000	0.0058	0.1015	95.8	80.0	120.0
	Chromium	0.5000	0.0018	0.4905	97.7	80.0	120.0
	Copper	0.5000	0.0165	0.4918	95.1	80.0	120.0
	Lead	0.5000	0.0401	0.5322	98.4	80.0	120.0

Mountain States Analytical, Inc.
Daily QC Batching Data
Data Released for Reporting

11/11/98
15:13:54
Group: 24652

Analysis Batch Number: HREXT-11/09/98-114 -2
Test Identification : HREXT-Metals for hr TCLP, by ICP Sequence : DATQ313
Number of Samples : 16
Batch Data-Date/Time : 11/10/98 / 08:25:33

SPIKE

SAMPLE#	ANALYTE	CONC ADDED	CONC SAMPLE	CONC SPIKE	% REC #	QC LIMITS LOWER	QC LIMITS UPPER
24707-89065-3	Selenium	5.0000	0.0117	5.3081	105.9	80.0	120.0
	Thallium	0.2000	-0.0004	0.2089	104.6	80.0	120.0
	Zinc	5.0000	0.0787	4.9622	97.7	80.0	120.0

MSD

SAMPLE#	ANALYTE	CONC ADDED	CONC SAMPLE	RESULT 2	%REC2 #	QC LIMITS LOWER	QC LIMITS UPPER	RPD #	LIMIT
24645-88838	Silver	0.1000	0.0001	0.0966	96.5	80.0	120.0	0.2	20.0
	Arsenic	5.0000	-0.0004	5.7015	114.0	80.0	120.0	2.1	20.0
	Barium	10.0000	1.2016	11.5691	103.7	80.0	120.0	2.0	20.0
	Cadmium	0.1000	0.0034	0.0929	89.4	80.0	120.0	2.5	20.0
	Chromium	0.5000	0.0046	0.4892	96.9	80.0	120.0	0.3	20.0
	Copper	0.5000	0.0070	0.4803	94.7	80.0	120.0	2.9	20.0
	Lead	0.5000	0.0358	0.4930	91.4	80.0	120.0	0.5	20.0
	[illegible]	5.0000	0.0177	[illegible]	112.0	80.0	120.0	0.7	20.0
	Thallium	0.2000	0.0105	0.1948	92.1	80.0	120.0	0.9	20.0
	Zinc	5.0000	0.1010	4.8154	94.3	80.0	120.0	0.4	20.0

DUPLICATE

SAMPLE#	ANALYTE	RESULT 1	RESULT 2	RPD #	LIMIT	DILUTION
24645-88838	Silver	0.0001	0.0033	186.0(5a)	20.0	1.00
	Arsenic	-0.0004	0.0070	221.1(11)	20.0	1.00
	Barium	1.2016	1.2095	0.7	20.0	1.00
	Cadmium	0.0034	0.0035	1.2	20.0	1.00
	Chromium	0.0046	0.0046	1.5	20.0	1.00
	Copper	0.0070	0.0044	45.7(5a)	20.0	1.00
	Lead	0.0358	0.0410	13.4	20.0	1.00
	Selenium	0.0177	0.0156	12.6	20.0	1.00
	Thallium	0.0105	0.0000	200.0(5a)	20.0	1.00
	Zinc	0.1010	0.0922	9.1	20.0	1.00

CONTROL

SAMPLE#	ANALYTE	CONC FOUND	CONC KNOWN	% REC #	QC LIMITS LOWER	QC LIMITS UPPER
LCSW-738	Silver	0.0972	0.1000	97.2	80.0	120.0
	Arsenic	5.3134	5.0000	106.3	80.0	120.0
	Barium	10.3736	10.0000	103.7	80.0	120.0
	Cadmium	0.0925	0.1000	92.5	80.0	120.0
	Chromium	0.4987	0.5000	99.7	80.0	120.0
	Copper	0.4665	0.5000	93.3	80.0	120.0
	Lead	0.4997	0.5000	99.9	80.0	120.0
	Selenium	5.2727	5.0000	105.5	80.0	120.0
	Thallium	0.2077	0.2000	103.9	80.0	120.0
	Zinc	5.0410	5.0000	100.8	80.0	120.0

CCV #	ANALYTE	TRUE VALUE	BATCH READ	% REC #	QC LIMITS LOWER	QC LIMITS UPPER
ICV-	Silver	0.1000	0.1012	101.2	90.0	110.0
	Arsenic	0.4000	0.4296	107.4	90.0	110.0
	Barium	1.0000	1.0044	100.4	90.0	110.0
	Cadmium	1.0000	0.9912	99.1	90.0	110.0

Mountain States Analytical, Inc.
Daily QC Batching Data
Data Released for Reporting

Analysis Batch Number: HREXT-11/09/98-114 -2
Test Identification : HREXT-Metals for hr TCLP, by ICP Sequence : DATQ313
Number of Samples : 16
Batch Data-Date/Time : 11/10/98 / 08:25:33

CCV #	ANALYTE	TRUE VALUE	BATCH READ	% REC #	QC LIMITS LOWER	QC LIMITS UPPER
ICV-	Chromium	1.0000	1.0257	102.6	90.0	110.0
	Copper	1.0000	0.9759	97.6	90.0	110.0
	Lead	5.0000	5.1598	103.2	90.0	110.0
	Selenium	0.4000	0.4277	106.9	90.0	110.0
	Thallium	1.0000	1.0390	103.9	90.0	110.0
	Zinc	1.0000	1.0032	100.3	90.0	110.0
CCV1--2	Silver	0.1000	0.1014	101.4	90.0	110.0
	Arsenic	0.4000	0.4155	103.9	90.0	110.0
	Barium	1.0000	0.9862	98.6	90.0	110.0
	Cadmium	1.0000	0.9616	96.2	90.0	110.0
	Chromium	1.0000	1.0184	101.8	90.0	110.0
	Copper	1.0000	0.9599	96.0	90.0	110.0
	Lead	5.0000	5.0975	101.9	90.0	110.0
	Selenium	0.4000	0.4113	102.8	90.0	110.0
	Thallium	1.0000	1.0245	102.5	90.0	110.0
	Zinc	1.0000	0.9793	97.9	90.0	110.0
CCV2--3	Silver	0.1000	0.1009	100.9	90.0	110.0
	Arsenic	0.4000	0.4238	106.0	90.0	110.0
	Barium	1.0000	1.0190	101.9	90.0	110.0
	Cadmium	1.0000	0.9951	99.5	90.0	110.0
	Chromium	1.0000	1.0129	101.3	90.0	110.0
	Copper	1.0000	0.9813	98.1	90.0	110.0
	Lead	5.0000	5.1061	102.1	90.0	110.0
	Selenium	0.4000	0.4190	104.7	90.0	110.0
	Thallium	1.0000	1.0194	101.9	90.0	110.0
	Zinc	1.0000	1.0081	100.8	90.0	110.0
CCV3--4	Silver	0.1000	0.0987	98.7	90.0	110.0
	Arsenic	0.4000	0.4192	104.8	90.0	110.0
	Barium	1.0000	1.0034	100.3	90.0	110.0
	Cadmium	1.0000	0.9820	98.2	90.0	110.0
	Chromium	1.0000	1.0036	100.4	90.0	110.0
	Copper	1.0000	0.9673	96.7	90.0	110.0
	Lead	5.0000	5.0365	100.7	90.0	110.0
	Selenium	0.4000	0.4191	104.8	90.0	110.0
	Thallium	1.0000	1.0087	100.9	90.0	110.0
	Zinc	1.0000	1.0001	100.0	90.0	110.0
CCV4--5	Silver	0.1000	0.0990	99.0	90.0	110.0
	Arsenic	0.4000	0.4328	108.2	90.0	110.0
	Barium	1.0000	1.0210	102.1	90.0	110.0
	Cadmium	1.0000	0.9947	99.5	90.0	110.0
	Chromium	1.0000	1.0041	100.4	90.0	110.0
	Copper	1.0000	0.9405	94.1	90.0	110.0
	Lead	5.0000	5.2365	104.7	90.0	110.0
	Selenium	0.4000	0.4251	106.3	90.0	110.0
	Thallium	1.0000	1.0232	102.3	90.0	110.0
	Zinc	1.0000	1.0210	102.1	90.0	110.0

Mountain States Analytical, Inc.
Daily QC Batching Data
Data Released for Reporting

Analysis Batch Number: HREXT-11/09/98-114 -2
Test Identification : HREXT-Metals for hr TCLP, by ICP Sequence : DATQ313
Number of Samples : 16
Batch Data-Date/Time : 11/10/98 / 08:25:33

CCB#	ANALYTE	CONC FOUND #	CONC LIMIT
ICB-	Silver	0.0007	0.0030
	Arsenic	0.0003	0.0150
	Barium	0.0004	0.0020
	Cadmium	ND	0.0010
	Chromium	ND	0.0050
	Copper	0.0003	0.0050
	Lead	ND	0.0150
	Selenium	0.0093	0.0150
	Thallium	0.0028	0.0080
	Zinc	ND	0.0150
CCB1-	Silver	0.0005	0.0030
	Arsenic	ND	0.0150
	Barium	0.0001	0.0020
	Cadmium	ND	0.0010
	Chromium	0.0001	0.0050
	Copper	ND	0.0050
	Lead	ND	0.0150
	Selenium	ND	0.0150
	Thallium	0.0006	0.0080
	Zinc	ND	0.0150
CCB2-	Silver	0.0007	0.0030
	Arsenic	ND	0.0150
	Barium	0.0001	0.0020
	Cadmium	0.0001	0.0010
	Chromium	ND	0.0050
	Copper	ND	0.0050
	Lead	ND	0.0150
	Selenium	ND	0.0150
	Thallium	0.0013	0.0080
	Zinc	ND	0.0150
CCB3-	Silver	0.0008	0.0030
	Arsenic	ND	0.0150
	Barium	0.0005	0.0020
	Cadmium	ND	0.0010
	Chromium	ND	0.0050
	Copper	0.0003	0.0050
	Lead	0.0010	0.0150
	Selenium	0.0077	0.0150
	Thallium	0.0038	0.0080
	Zinc	0.0002	0.0150
CCB4-	Silver	0.0009	0.0030
	Arsenic	ND	0.0150
	Barium	0.0005	0.0020
	Cadmium	0.0000	0.0010
	Chromium	ND	0.0050
	Copper	0.0002	0.0050
	Lead	ND	0.0150
	Selenium	0.0072	0.0150
	Thallium	0.0015	0.0080
	Zinc	ND	0.0150

Mountain States Analytical, Inc.
Daily QC Batching Data
Data Released for Reporting

Analysis Batch Number: HREXT-11/09/98-114 -2
Test Identification : HREXT-Metals for hr TCLP, by ICP Sequence : DATQ313
Number of Samples : 16
Batch Data-Date/Time : 11/10/98 / 08:25:33

---------- Result Footnotes ----------
(5a) - Duplicates not evaluated: Results are <10x detection limit
(11) - The duplicate results cannot be evaluated because both results are <MDL.

Groups & Samples

24638-88808	24645-88838	24652-88859	24698-89019	24707-89065	24707-89066	24707-89067	24707-89068
24707-89069	24716-89112	24716-89113	24716-89114	24716-89115	24739-89195	24771-89322	24771-89324

4C2

On Site Technologies, LTD.
612 E. Murray Drive
Farmington, NM 87401
(505) 325-2432

CHAIN-OF-CUSTODY RECORD

Subcontractor:

Mountain States Analytical, Inc.
1645 West 2200 South
Salt Lake City, UT 84119

TEL: (800) 973-6724
FAX: (801) 972-6278
Acct #:

28-Oct-98

Sample ID	Matrix	Collection Date	Bottle Type	Requested Tests SW1010	SW1311	SW1311/6010A	SW3010A	SW7470	SW9045B	SW7.3.3.2	7.3.4.2
9810084-01B	Soil	10/27/98 11:00:00 PM		1	1	1	1	1	1	1	

Comments: Please analyze one (1) soil sample for TCLP Metals, Reactivity(Cyanide&Sulfide), Corrosivity and Ignitability.

		Date/Time			Date/Time
Relinquished by:		10/28/98 1610	**Received by:**		10/29/98 1000
Relinquished by:			**Received by:**		

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

CHAIN OF CUSTODY RECORD

5586

Date: 10/28/98

Page 1 of 1

Purchase Order No.:	Job No. 4-1532
SEND INVOICE TO — Name:	
Company:	Dept.:
Address:	
City, State, Zip:	
REPORT RESULTS TO — Name: Cindy Gray	Title:
Company: in house	
Mailing Address:	
City, State, Zip:	
Telephone No.:	Telefax No.:

Sampling Location: State Road 529, DeLusso Loop Road Spill 6 Pt. Composite "Worst Case" Soils Stockpile

Sampler: C. Shuster Gray

ANALYSIS REQUESTED

SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	MATRIX	PRES.	Number of Containers	8020	8015 M DRO/GRO	RCRA TCLP Metals Only	R.C.I.					LAB ID
"Worst Case" Soils Stockpile 6 Pt Comp.	10/27	2300	Soil	Cool	4	✓A	✓A	✓F	✓F					TEK884-01

Relinquished by: [signature]	Date/Time 10/28/98 1330	Received by: Heidi Rees	Date/Time 10/28/98 1330
Relinquished by:	Date/Time	Received by:	Date/Time
Relinquished by:	Date/Time	Received by:	Date/Time

Method of Shipment:

Authorized by: [signature] Date 10/28/98
(Client Signature Must Accompany Request)

Rush	24-48 Hours	10 Working Days	Special Instructions:

District I - (505)
P. O. Box 1980
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 Resource Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

Form C-13
Revised 9/8/

RECEIVED
OCT 05 1998
Environmental Bureau
Oil Conservation Division

Submit Origir
Plus 1 Co
to appropria
District Offi

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 98085

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Gary Williams Energy
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Chaco Storage Tank
2. Management Facility Destination Tierra Environmental Landfarm	6. Transporter Junco Trucking
3. Address of Facility Operator 420 C.R. 3100 Aztec, San Juan County	8. State New Mexico
7. Location of Material (Street Address or ULSTR) S-5, T-25N, R12W	San Juan County, New Mexico

9. Circle One:

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

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:
Tank Bottoms From Crude Oil Storage Tank

RECEIVED
OCT 6 1998
OIL CON. DIV.
DIST. 3

RECEIVED
OCT 05 1998
Environmental Bureau
Oil Conservation Division

Estimated Volume 300 BBls or Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: _____ TITLE: Environmental Specialist DATE: 9-22-98
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Tim Nobis TELEPHONE NO. 334-8894

(This space for State Use)

APPROVED BY: Denny G. Foust TITLE: Geologist DATE: 9/30/98

APPROVED BY: Martyn J. Kelly TITLE: Env Geologist DATE: 10-5-98

District I - (505) 393-6161
P. O. Box 1980
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
Revised 9/8/97

Submit Original Plus 1 Copy to appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 98085

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Gary Williams Energy
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Chaco Storage Tank
2. Management Facility Destination Tierra Environmental Landfarm	6. Transporter Sunco Trucking
3. Address of Facility Operator 420 C.R. 3100 Aztec, San Juan County	8. State New Mexico
7. Location of Material (Street Address or ULSTR) S-5, T-25N, R12W	San Juan County, New Mexico

9. Circle One:

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

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:
Tank Bottoms From Crude Oil Storage Tank

RECEIVED
SEP 25 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 300 BBls or Known Volume (to be entered by the operator at the end of the haul) _____ cy

verbal DGF 9/30/98

SIGNATURE: _____ TITLE: Environmental Specialist DATE: 9-22-98
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Tim Nobis TELEPHONE NO. 334-8894

(This space for State Use)

APPROVED BY: Denny G. Foust TITLE: Geologist DATE: 9/30/98

APPROVED BY: _____ TITLE: _____ DATE: _____

RECEIVED
SEP 25 1998
OIL CON. DIV.
DIST. 3

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Gary Williams Energy	Tierra Environmental Land farm 420 C.R 3100 Aztec, New Mexico 87410
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
Chaco Storage Tank Attach list of originating sites as appropriate	Sec. 5, T-25N, R 12W San Juan County
4. Source and Description of Waste	
Tank Bottoms from Crude Oil Storage Tanks	

I, Tim Nobis (Print Name) representative for:

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

___ **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): [signature]

Title: Environmental Specialist

Date: 9-22-98

SAFETY ALLIANCE, INC.

"Partnerships for Safe Working Environments"

September 23, 1998

Tierra Environmental Corp.
ATTN: Tim Nobis
PO Drawer 15250
Farmington, NM 87401

RE: NORM READINGS ON SLUDGE SAMPLE

Mr. Nobis,

At your request, a sample was checked for NORM. No levels above background were detected.

Please call Safety Alliance, Inc. at 505-325-SAFE (7233) if you have questions regarding procedures or instrumentation.

Sincerely,

Kirk J. Bennett

KJB/dm

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

September 23, 1998

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

Project No.: 04074-03

Dear Mr. Nobis,

Enclosed are the analytical results for the sample collected from the location identified as "Chaco - GWE-1". One soil sample was collected by Tierra Environmental designated personnel on 09/17/98, and received by the Envirotech laboratory on 09/17/98 for Hazardous Waste Characterization analysis (Volatile and Semi-volatile Organics, Trace Metals, Reactivity, Corrosivity, and Ignitability).

The sample was documented on Envirotech Chain of Custody No. 6269 and assigned Laboratory No. D937 for tracking purposes.

The sample was extracted on 09/17/98, and analyzed 09/17/98 through 09/23/98 using USEPA or equivalent methods.

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

Respectfully submitted,
Envirotech, Inc.

Stacy W Sendler

Stacy W. Sendler
Environmental Scientist/Laboratory Manager

enc.

SWS\sws
03.l21/wpd

04074/04074-

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Tierra Environmental	Project #:	04074-03
Sample ID:	GWE - 1	Date Reported:	09-17-98
Lab ID#:	D937	Date Sampled:	09-15-98
Sample Matrix:	Soil / Sludge	Date Received:	09-17-98
Preservative:	Cool	Date Analyzed:	09-17-98
Condition:	Cool & Intact	Chain of Custody:	6269

Parameter	Result	
IGNITABILITY:	**Negative**	
CORROSIVITY:	**Negative**	**pH = 6.57**
REACTIVITY:	**Negative**	

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. *(i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)*
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. *(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)*
REACTIVITY:	Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. *(i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)*

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: **Chaco.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS

Client:	Tierra Environmental	Project #:	04074-03
Sample ID:	GWE - 1	Date Reported:	09-21-98
Laboratory Number:	D937	Date Sampled:	09-15-98
Chain of Custody:	6269	Date Received:	09-17-98
Sample Matrix:	Soil	Date Extracted:	09-17-98
Preservative:	Cool	Date Analyzed:	09-21-98
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	**ND**	**0.0001**	**0.2**
1,1-Dichloroethene	**ND**	**0.0001**	**0.7**
2-Butanone (MEK)	**ND**	**0.0001**	**200**
Chloroform	**ND**	**0.0001**	**6.0**
Carbon Tetrachloride	**ND**	**0.0001**	**0.5**
Benzene	**0.0012**	**0.0001**	**0.5**
1,2-Dichloroethane	**ND**	**0.0001**	**0.5**
Trichloroethene	**ND**	**0.0003**	**0.5**
Tetrachloroethene	**ND**	**0.0005**	**0.7**
Chlorobenzene	**ND**	**0.0003**	**100**
1,4-Dichlorobenzene	**ND**	**0.0002**	**7.5**

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	**98%**
	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: **Chaco.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040
PHENOLS

Client:	Tierra Environmental	Project #:	04074-03
Sample ID:	GWE - 1	Date Reported:	09-21-98
Laboratory Number:	D937	Date Sampled:	09-15-98
Chain of Custody:	6269	Date Received:	09-17-98
Sample Matrix:	Soil	Date Extracted:	09-17-98
Preservative:	Cool	Date Analyzed:	09-21-98
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-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	97%
	2,4,6-Tribromophenol	100%

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

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

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

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

Comments: **Chaco.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	Tierra Environmental	Project #:	04074-03
Sample ID:	GWE - 1	Date Reported:	09-21-98
Laboratory Number:	D937	Date Sampled:	09-15-98
Chain of Custody:	6269	Date Received:	09-17-98
Sample Matrix:	Soil	Date Extracted:	09-17-98
Preservative:	Cool	Date Analyzed:	09-21-98
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	**0.040**	**0.020**	**0.13**

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	**100%**

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: **Chaco.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Tierra Environmental	Project #:	04074-03
Sample ID:	GWE - 1	Date Reported:	09-22-98
Laboratory Number:	D937	Date Sampled:	09-15-98
Chain of Custody:	6269	Date Received:	09-17-98
Sample Matrix:	Soil	Date Analyzed:	09-22-98
Preservative:	Cool	Date Extracted:	09-17-98
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	**0.0046**	**0.0001**	**5.0**
Barium	**2.97**	**0.001**	**21**
Cadmium	**ND**	**0.0001**	**0.11**
Chromium	**0.0074**	**0.0001**	**0.60**
Lead	**0.0498**	**0.0001**	**0.75**
Mercury	**ND**	**0.0001**	**0.025**
Selenium	**0.0083**	**0.0001**	**5.7**
Silver	**ND**	**0.0001**	**0.14**

ND - Parameter not detected at the stated detection limit.

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

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA. December 1996.

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

Comments: **Chaco.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL

DOCUMENTATION

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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:	Laboratory Blank	Date Reported:	09-21-98
Laboratory Number:	09-21-TCV-Blank	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-21-98
Condition:	N/A	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	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 D932 and D937.**

Analyst

Review

225

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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:	09-21-98
Laboratory Number:	09-17-TV-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-21-98
Condition:	N/A	Date Extracted:	09-17-98
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	98%

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

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

Comments: **QA/QC for samples D932 and D937.**

Analyst

Review

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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:	Matrix Duplicate	Date Reported:	09-21-98
Laboratory Number:	D932	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	09-21-98
Condition:	N/A	Date Extracted:	N/A

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

ND - Parameter not detected at the stated detection limit.

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

Comments: **QA/QC for samples D932 and D937.**

Analyst

Review

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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:	Matrix Spike	Date Reported:	09-21-98
Laboratory Number:	D932	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	09-21-98
Condition:	N/A	Date Extracted:	N/A

Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	**ND**	**0.050**	**0.0495**	**0.0001**	**99%**	**28-163**
1,1-Dichloroethene	**ND**	**0.050**	**0.0494**	**0.0001**	**99%**	**43-143**
2-Butanone (MEK)	**ND**	**0.050**	**0.0495**	**0.0001**	**99%**	**47-132**
Chloroform	**ND**	**0.050**	**0.0498**	**0.0001**	**100%**	**49-133**
Carbon Tetrachloride	**ND**	**0.050**	**0.0491**	**0.0001**	**98%**	**43-143**
Benzene	**ND**	**0.050**	**0.0498**	**0.0001**	**100%**	**39-150**
1,2-Dichloroethane	**ND**	**0.050**	**0.0494**	**0.0001**	**99%**	**51-147**
Trichloroethene	**ND**	**0.050**	**0.0494**	**0.0003**	**99%**	**35-146**
Tetrachloroethene	**ND**	**0.050**	**0.0494**	**0.0005**	**99%**	**26-162**
Chlorobenzene	**ND**	**0.050**	**0.0494**	**0.0003**	**99%**	**38-150**
1,4-Dichlorobenzene	**ND**	**0.050**	**0.0494**	**0.0002**	**99%**	**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 D932 and D937.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040
PHENOLS
Quality Assurance Report
Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	09-21-98
Laboratory Number:	09-21-TCA-Blank	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-21-98
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	99 %
	2,4,6-tribromophenol	99 %

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

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

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

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

Comments: **QA/QC for samples D932 and D937.**

Analyst

Review

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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:	09-21-98
Laboratory Number:	09-17-TCA-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extraction	Date Received:	N/A
Preservative:	Cool	Date Extracted:	09-17-98
Condition:	Cool & Intact	Date Analyzed:	09-21-98
		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	96%
	2,4,6-Tribromophenol	99%

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

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

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

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

Comments: **QA/QC for samples D932 and D937.**

Analyst

Review

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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:	Matrix Duplicate	Date Reported:	09-21-98
Laboratory Number:	D932	Date Sampled:	N/A
Sample Matrix:	TCLP Extraction	Date Received:	N/A
Preservative:	Cool	Date Extracted:	09-17-98
Condition:	Cool & Intact	Date Analyzed:	09-21-98
		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	0.089	0.089	0.040	0.0%
2,4,6-Trichlorophenol	0.036	0.036	0.020	0.0%
2,4,5-Trichlorophenol	0.022	0.022	0.020	0.0%
Pentachlorophenol	0.079	0.079	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 D932 and D937.**

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	09-21-98
Laboratory Number:	09-21-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:	09-21-98
		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	**100%**

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 D932 and D937.**

Analyst

Review

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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:	09-21-98
Laboratory Number:	09-17-TBN-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	09-17-98
Condition:	Cool and Intact	Date Analyzed:	09-21-98
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

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

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

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

Comments: **QA/QC for samples D932 and D937.**

Analyst

Review

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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:	09-21-98
Laboratory Number:	D932	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	09-21-98
		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 D932 and D937.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	09-22-TCM QA/QC	Date Reported:	09-22-98
Laboratory Number:	D932	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	09-22-98
Condition:	N/A	Date Extracted:	09-17-98

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Barium	ND	ND	0.001	0.762	0.760	0.3%	0% - 30%
Cadmium	ND	ND	0.0001	0.0224	0.0222	0.9%	0% - 30%
Chromium	ND	ND	0.0001	0.0028	0.0028	0.0%	0% - 30%
Lead	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Mercury	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Silver	ND	ND	0.0001	ND	ND	0.0%	0% - 30%

Spike Conc. (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.1000	ND	0.0998	99.8%	80% - 120%
Barium	1.000	0.762	1.759	99.8%	80% - 120%
Cadmium	0.0500	0.022	0.0725	100.1%	80% - 120%
Chromium	0.0500	0.0028	0.0527	99.8%	80% - 120%
Lead	0.1000	ND	0.0999	99.9%	80% - 120%
Mercury	0.0250	ND	0.0249	99.6%	80% - 120%
Selenium	0.1000	ND	0.0997	99.7%	80% - 120%
Silver	0.0500	ND	0.0499	99.8%	80% - 120%

ND - Parameter not detected at the stated detection limit.

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

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

Methods 7060B, 7081, 7131A, 7191, 7470A, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA, December 1996.

Comments: **QA/QC for samples D932 and D937.**

Analyst

Review

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CHAIN OF CUSTODY RECORD

6269

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
Tierra Environmental	Chaco	
Sampler: Tim Nobis	Client No. 04074-03	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TCLP 40 HCF						Remarks
GWE-1	9.15.98	1500	D937	Soil/Sludge	2	✓						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	9.17.98	0940	[signature]	9.17.98	0940
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.

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

Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		

IERRA
ENVIRONMENTAL
COMPANY Inc.
P.O. DRAWER 15250 FARMINGTON, NM 87401

CH N OF CUSTODY ECORD

Date: 9/17/98

Purchase Order No.: Job No.

SEND INVOICE TO
Name
Company Dept.
Address
City, State, Zip

REPORT RESULTS TO
Name Title
Company
Mailing Address
City, State, Zip
Telephone No. Telefax No.

Sampling Location:

Chaco.

Sampler:

ANALYSIS REQUESTED

SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	MATRIX	PRES.	Number of Containers	TCLP	LAB ID
- L	9	3					

Relir uished	Date/Time	Received	Date/Time
Rel uished	Date/Time	Received	Date/Time
Re uished	Date/Time	Received b	Date/Time

Method of Sh ent:

Rush 24-48 Hours 10 Working Days Special Instructions:

Authorized by: Date
(ature Accompany Request)

Distribution: White – On Site Yellow – LAB Pink – Sampler Goldenrod – Client

District I - (505) 393-6161
P. O. Box 1980
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 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 98097

1. RCRA Exempt: ☒ Non-Exempt: ☐ E. Bosh.	4. Generator Hallwood Petroleum
Verbal Approval Received: 9/23/98 Yes ☒ No ☐	5. Originating Site Southern Ute 15-1
2. Management Facility Destination Tierra Environmental Landfarm	6. Transporter On-Site Technologies
3. Address of Facility Operator 4200 C.R. 3100 Aztec, San Juan County	8. State New Mexico
7. Location of Material (Street Address or ULSTR) S-15, T-33 N, R-11W	Southern Ute Reservation, Colorado

9. Circle One:

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

B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:
Soil Contaminated with Petroleum Hydrocarbons in the form of oil and parafin resulting from a spill on the Southern Ute 15-1 location

RECEIVED
SEP 25 1998
OIL CON. DIV.
DIST. 3

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

SIGNATURE: _____ TITLE: Environmental Specialist DATE: 9-23-98
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Tim Nobis TELEPHONE NO. 334-8894

(This space for State Use)

APPROVED BY: Denise Brunch TITLE: Geologist DATE: 9-30-98

APPROVED BY: Denny G. Foust TITLE: Geologist DATE: 9/30/98

RECEIVED SEP 0 8 1998

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Hallwood Petroleum Inc. 4582. So Ulster Street Parkway Suite 1700. Denver, Colo	Tierra Environmental Corporation Crouch Mesa Landfarm Facility SE 1/4, Sec. 2, T29N, R.12.W.
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
Southern Ute Clark 15-1 SEC. 15, T33N, R11W. Colorado Attach list of originating sites as appropriate	Southern Ute Clark · 14-1
4. Source and Description of Waste	
Soil contaminated with petroleum hydrocarbons in the form of oil and paraffin resulting from a spill on the Southern Ute 15-1 Location.	

Chris Williams representative for:
(Print Name)

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

X **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Chris Williams

Title: Environmental/Safety Manager

Date: September 3, 1998

RECEIVED
SEP 25 1998
OIL CON. DIV.
DIST. 3

CERTIFICATE FROM OUT-OF-STATE AGENCY AUTHORIZING REMOVAL OF RCRA EXEMPT OIL FIELD WASTE FROM SOUTHERN UTE INDIAN TRIBE JURISDICTION TO NEW MEXICO

I have reviewed the submitted information concerning the exempt oil field waste material from the Southern Ute #15-1 Well, currently stored at the Clark #4-1 Disposal Well, and agree that by its description it is exempt as defined by the Resource Conservation and Recovery Act.

X The material is exempt oil field waste.

X No determination is made on the possible hazardous nature of the waste, due to the exempt status.

THEREFORE:
As a representative for the Southern Ute Indian Tribe, I have no objection to the material being removed to New Mexico for disposal at the Tierra Environmental Landfarm.

NAME: Cheryl L. Wiescamp TITLE: Acting Director, Environmental Programs

SIGNATURE: Cheryl L. Wiescamp DATE: 7/27/98

AGENCY: Southern Ute Indian Tribe

ADDRESS: P.O. Box 737, Ignacio, CO 81137

PHONE: (970) 563-0135

SOUTHERN UTE INDIAN TRIBE

Tribal Affairs Building

July 27, 1998

Craig Starkey
Onsite Technologies, Ltd.
P.O. Box 2606
Farmington, NM 87499

VIA FACSIMILE: (505) 325-6256

Dear Mr. Starkey:

The Southern Ute Environmental Programs Division has reviewed your request to transport exempt oil field waste from Colorado to New Mexico. The ten (10) drums of soil and paraffin generated at the Southern Ute #15-1 well and currently stored at the Clark #4-1 Disposal Well location may be transported to the Tierra Environmental Landfarm where the contents will be removed and placed in a cell for treatment.

Enclosed are 2 original signed certificates necessary for transportation of the waste.

We request that you send us a copy of any NM permits you receive.

Sincerely,

Cheryl L. Wiescamp
Acting Director
Environmental Programs

P.O. Box 737 • 116 Capote Dr. • Ignacio, CO 81137 • Phone: 303-563-0100 • FAX: 303-563-0396

District I - (505) 393-6161
P. O. Box 1980
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

Submit Original Plus 1 Copy to appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 98094

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator COI
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site COI Yard
2. Management Facility Destination Tierra Environmental Landfarm	6. Transporter Doug Foutz Const.
3. Address of Facility Operator 4200 C.R. 3100 Aztec, San Juan County	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 3911 Monroe Rd.	Farmington, NM 87401

9. Circle One:

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

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:
Contaminated Soil from Yard Clean-up. (Soda Ash, Sulfites, HCL Acid

RECEIVED
SEP 15 1998
OIL CON. DIV.
DIST. 3

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

SIGNATURE: _____ TITLE: Environmental Specialist DATE: 9-11-98
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Tim Nobis TELEPHONE NO. 334-8894

(This space for State Use)

APPROVED BY: _____ TITLE: Geologist DATE: 9/15/98

APPROVED BY: _____ TITLE: _____ DATE: 9/30/98

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1 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

Submit Original Plus 1 Copy to appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 98094

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator COI
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site COI Yard
2. Management Facility Destination Tierra Environmental Landfarm	6. Transporter Doug Foutz Const.
3. Address of Facility Operator 4200 C.R. 3100 Aztec, San Juan County	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 3911 Monroe Rd.	Farmington, NM 87401

9. Circle One:

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

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:
Contaminated Soil from Yard Clean-up. (Soda Ash, Sulfites, HCL Acid)

RECEIVED
SEP 15 1998
OIL CON. DIV.
DIST. 3

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

SIGNATURE: _____ TITLE: Environmental Specialist DATE: 9-11-98
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Tim Nobis TELEPHONE NO. 334-8894

(This space for State Use)

APPROVED BY: Denny G. Foust TITLE: Geologist DATE: 9/15/98

APPROVED BY: _____ TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Chemical Distributors Inc. 3911 Monroe Rd Farmington, NM 87401	Tierra Environmental Land farm 420 C.R. 3100 Aztec, NM 87410
3. Originating Site (name): COI Yard Attach list of originating sites as appropriate	**Location of the Waste (Street address &/or ULSTR):** 3911 Monroe Rd. Farmington, NM 87401
4. Source and Description of Waste Yard Clean-up Soils	

I, Jerry Hughes representative for:
(Print Name)

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

___ **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Jerry Hughes

Title: Operations Mang.

Date: 9/11/98

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

September 10, 1998

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

Project No.: 04074-03

Dear Mr. Nobis,

Enclosed are the analytical results for the samples collected from the location identified as "CDI Yard". Two soil samples were collected by Tierra Environmental designated personnel on 08/31/98, and received by the Envirotech laboratory on 08/31/98 for Hazardous Waste Characterization analysis (Volatile and Semi-volatile Organics, Trace Metals, Reactivity, Corrosivity, and Ignitability).

The samples were documented on Envirotech Chain of Custody No. 6252 and assigned Laboratory Nos. D882 (CDI-#1) and D883 (CDI-#2) for tracking purposes.

The samples were extracted on 09/01/98, and analyzed 09/01/98 through 09/10/98 using USEPA or equivalent methods.

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

Respectfully submitted,
Envirotech, Inc.

Stacy W Sendler

Stacy W. Sendler
Environmental Scientist/Laboratory Manager

enc.

SWS\sws
03.l19/wpd

04074/04074-

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Tierra Environmental	Project #:	04074-03
Sample ID:	CDI #1	Date Reported:	09-01-98
Lab ID#:	D882	Date Sampled:	08-28-98
Sample Matrix:	Soil	Date Received:	08-31-98
Preservative:	Cool	Date Analyzed:	09-01-98
Condition:	Cool & Intact	Chain of Custody:	6252

Parameter	Result	
IGNITABILITY:	**Negative**	
CORROSIVITY:	**Negative**	**pH = 10.75**
REACTIVITY:	**Negative**	

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. *(i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)*
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. *(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)*
REACTIVITY:	Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. *(i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)*

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: **CDI Yard.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Tierra Environmental	Project #:	04074-03
Sample ID:	CDI #2	Date Reported:	09-01-98
Lab ID#:	D883	Date Sampled:	08-28-98
Sample Matrix:	Soil	Date Received:	08-31-98
Preservative:	Cool	Date Analyzed:	09-01-98
Condition:	Cool & Intact	Chain of Custody:	6252

Parameter	Result	
IGNITABILITY:	**Negative**	
CORROSIVITY:	**Negative**	**pH = 5.79**
REACTIVITY:	**Negative**	

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. *(i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)*
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. *(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)*
REACTIVITY:	Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. *(i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)*

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: **CDI Yard.**

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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	Tierra Environmental	Project #:	04074-03
Sample ID:	CDI #1	Date Reported:	09-03-98
Laboratory Number:	D882	Date Sampled:	08-28-98
Chain of Custody:	6252	Date Received:	08-31-98
Sample Matrix:	Soil	Date Extracted:	09-01-98
Preservative:	Cool	Date Analyzed:	09-03-98
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	0.0380	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	0.0659	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0312	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	0.0004	0.0003	0.5
Tetrachloroethene	0.0158	0.0005	0.7
Chlorobenzene	0.0025	0.0003	100
1,4-Dichlorobenzene	0.0062	0.0002	7.5

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	98%
	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: **CDI Yard.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	Tierra Environmental	Project #:	04074-03
Sample ID:	CDI #2	Date Reported:	09-03-98
Laboratory Number:	D883	Date Sampled:	08-28-98
Chain of Custody:	6252	Date Received:	08-31-98
Sample Matrix:	Soil	Date Extracted:	09-01-98
Preservative:	Cool	Date Analyzed:	09-03-98
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	0.0338	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0291	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	0.0021	0.0003	0.5
Tetrachloroethene	0.0111	0.0005	0.7
Chlorobenzene	0.0041	0.0003	100
1,4-Dichlorobenzene	0.0228	0.0002	7.5

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	98%
	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: **CDI Yard.**

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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040
PHENOLS

Client:	Tierra Environmental	Project #:	04074-03
Sample ID:	CDI #1	Date Reported:	09-04-98
Laboratory Number:	D882	Date Sampled:	08-28-98
Chain of Custody:	6252	Date Received:	08-31-98
Sample Matrix:	Soil	Date Extracted:	09-01-98
Preservative:	Cool	Date Analyzed:	09-04-98
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-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	101%
	2,4,6-Tribromophenol	99%

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

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

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

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

Comments: **CDI Yard.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040
PHENOLS

Client:	Tierra Environmental	Project #:	04074-03
Sample ID:	CDI #2	Date Reported:	09-04-98
Laboratory Number:	D883	Date Sampled:	08-28-98
Chain of Custody:	6252	Date Received:	08-31-98
Sample Matrix:	Soil	Date Extracted:	09-01-98
Preservative:	Cool	Date Analyzed:	09-04-98
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-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	101%
	2,4,6-Tribromophenol	99%

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

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

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

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

Comments: **CDI Yard.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	Tierra Environmental	Project #:	04074-03
Sample ID:	CDI #1	Date Reported:	09-03-98
Laboratory Number:	D882	Date Sampled:	08-28-98
Chain of Custody:	6252	Date Received:	08-31-98
Sample Matrix:	Soil	Date Extracted:	09-01-98
Preservative:	Cool	Date Analyzed:	09-03-98
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	**100%**

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: **CDI Yard.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	Tierra Environmental	Project #:	04074-03
Sample ID:	CDI #2	Date Reported:	09-03-98
Laboratory Number:	D883	Date Sampled:	08-28-98
Chain of Custody:	6252	Date Received:	08-31-98
Sample Matrix:	Soil	Date Extracted:	09-01-98
Preservative:	Cool	Date Analyzed:	09-03-98
Condition:	Cool and Intact	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

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

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

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

Comments: **CDI Yard.**

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ENVIRO-TECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

A METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Tierra Environmental	Project #:	04074-03
Sample ID:	CDI - #1	Date Reported:	09-08-98
Laboratory Number:	D882	Date Sampled:	08-28-98
Chain of Custody:	6252	Date Received:	08-31-98
Sample Matrix:	Soil	Date Analyzed:	09-08-98
Preservative:	Cool	Date Extracted:	09-01-98
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	**ND**	**0.0001**	**5.0**
Barium	**ND**	**0.001**	**21**
Cadmium	**0.0157**	**0.0001**	**0.11**
Chromium	**0.0128**	**0.0001**	**0.60**
Lead	**ND**	**0.0001**	**0.75**
Mercury	**ND**	**0.0001**	**0.025**
Selenium	**0.0190**	**0.0001**	**5.7**
Silver	**ND**	**0.0001**	**0.14**

ND - Parameter not detected at the stated detection limit.

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

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA. December 1996.

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

Comments: **CDI Yard.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Tierra Environmental	Project #:	04074-03
Sample ID:	CDI - #2	Date Reported:	09-08-98
Laboratory Number:	D883	Date Sampled:	08-28-98
Chain of Custody:	6252	Date Received:	08-31-98
Sample Matrix:	Soil	Date Analyzed:	09-08-98
Preservative:	Cool	Date Extracted:	09-01-98
Condition:	Cool & Intact	Analysis Needed:	TCLP metals.

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	**0.0344**	**0.0001**	**5.0**
Barium	**ND**	**0.001**	**21**
Cadmium	**0.0908**	**0.0001**	**0.11**
Chromium	**0.0157**	**0.0001**	**0.60**
Lead	**ND**	**0.0001**	**0.75**
Mercury	**ND**	**0.0001**	**0.025**
Selenium	**ND**	**0.0001**	**5.7**
Silver	**ND**	**0.0001**	**0.14**

ND - Parameter not detected at the stated detection limit.

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

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA. December 1996.

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

Comments: **CDI Yard.**

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ENVIROTECH LABS

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QUALITY ASSURANCE / QUALITY CONTROL

DOCUMENTATION

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ENVIRO-TECH 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:	09-03-98
Laboratory Number:	09-03-TCV	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-03-98
Condition:	N/A	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	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 D861, D867 and D882 - D883.**

Analyst

Review Stacy W Sendler

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	09-03-98
Laboratory Number:	09-01-TCV-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-03-98
Condition:	N/A	Date Extracted:	09-01-98
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	98%

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

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

Comments: **QA/QC for samples D861, D867 and D882 - D883.**

Analyst

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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:	Matrix Duplicate	Date Reported:	09-03-98
Laboratory Number:	D861	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	09-03-98
Condition:	N/A	Date Extracted:	N/A

Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	0.0114	0.0114	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	15.9	15.9	0.0001	0.0%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	1.41	1.41	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	0.229	0.229	0.0003	0.0%
Tetrachloroethene	ND	ND	0.0005	0.0%
Chlorobenzene	0.191	0.191	0.0003	0.0%
1,4-Dichlorobenzene	0.120	0.120	0.0002	0.0%

ND - Parameter not detected at the stated detection limit.

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

Comments: **QA/QC for samples D861, D867 and D882 - D883.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	09-03-98
Laboratory Number:	D861	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	09-03-98
Condition:	N/A	Date Extracted:	N/A

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	0.0114	0.050	0.0609	0.0001	99%	28-163
1,1-Dichloroethene	ND	0.050	0.0495	0.0001	99%	43-143
2-Butanone (MEK)	15.9	0.050	15.9	0.0001	100%	47-132
Chloroform	ND	0.050	0.0498	0.0001	100%	49-133
Carbon Tetrachloride	ND	0.050	0.0491	0.0001	98%	43-143
Benzene	1.41	0.050	1.46	0.0001	100%	39-150
1,2-Dichloroethane	ND	0.050	0.0495	0.0001	99%	51-147
Trichloroethene	0.229	0.050	0.279	0.0003	100%	35-146
Tetrachloroethene	ND	0.050	0.0494	0.0005	99%	26-162
Chlorobenzene	0.191	0.050	0.240	0.0003	100%	38-150
1,4-Dichlorobenzene	0.120	0.050	0.169	0.0002	100%	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 D861, D867 and D882 - D883.**

Analyst

Review

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NV ROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040
PHENOLS
Quality Assurance Report
Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	09-04-98
Laboratory Number:	09-04-TCA	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-04-98
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	101 %
	2,4,6-tribromophenol	102 %

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 D861, D867 and D882 - D883.**

Analyst

Review

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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:	09-04-98
Laboratory Number:	09-01-TA-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extraction	Date Received:	N/A
Preservative:	Cool	Date Extracted:	09-01-98
Condition:	Cool & Intact	Date Analyzed:	09-04-98
		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	101%
	2,4,6-Tribromophenol	101%

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

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

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

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

Comments: **QA/QC for samples D861, D867 and D882 - D883.**

Analyst

Review

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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:	Matrix Duplicate	Date Reported:	09-04-98
Laboratory Number:	D861	Date Sampled:	N/A
Sample Matrix:	TCLP Extraction	Date Received:	N/A
Preservative:	Cool	Date Extracted:	09-01-98
Condition:	Cool & Intact	Date Analyzed:	09-04-98
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	0.22	0.22	0.020	0.0%
p,m-Cresol	1.41	1.41	0.040	0.0%
2,4,6-Trichlorophenol	1.58	1.58	0.020	0.0%
2,4,5-Trichlorophenol	0.74	0.74	0.020	0.0%
Pentachlorophenol	0.51	0.51	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 D861, D867 and D882 - D883.**

Analyst

Review

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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:	Laboratory Blank	Date Reported:	09-04-98
Laboratory Number:	09-03-TBN.	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	09-03-98
		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	**98%**

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 D861, D867 and D882 - D883.**

Analyst

Review

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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:	09-04-98
Laboratory Number:	09-01-BN-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	09-01-98
Condition:	Cool and Intact	Date Analyzed:	09-03-98
		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	**98%**

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 D861, D867 and D882 - D883.**

Analyst

Review

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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:	09-04-98
Laboratory Number:	D861	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	09-03-98
		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	**1.27**	**1.26**	**1.0%**	**0.020**
Nitrobenzene	**0.93**	**0.92**	**0.9%**	**0.020**
Hexachlorobutadiene	**6.19**	**6.12**	**1.1%**	**0.020**
2,4-Dinitrotoluene	**3.01**	**2.92**	**3.0%**	**0.020**
HexachloroBenzene	**5.85**	**5.75**	**1.8%**	**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 D861, D867 and D882 - D883.**

Analyst

Review

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ENVIROTECH LABS

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

Client:	QA/QC	Project #:	N/A
Sample ID:	09-08-TCM QA/QC	Date Reported:	09-08-98
Laboratory Number:	D861	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	09-08-98
Condition:	N/A	Date Extracted:	09-01-98

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Barium	ND	ND	0.001	1.35	1.35	0.1%	0% - 30%
Cadmium	ND	ND	0.0001	0.0014	0.0014	0.0%	0% - 30%
Chromium	ND	ND	0.0001	0.0094	0.0095	1.1%	0% - 30%
Lead	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Mercury	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.0001	0.0004	0.0004	0.0%	0% - 30%
Silver	ND	ND	0.0001	ND	ND	0.0%	0% - 30%

Spike Conc. (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.1000	ND	0.0998	100%	80% - 120%
Barium	1.000	1.35	2.35	100%	80% - 120%
Cadmium	0.0500	0.0014	0.0512	100%	80% - 120%
Chromium	0.0500	0.0094	0.0592	100%	80% - 120%
Lead	0.1000	ND	0.100	100%	80% - 120%
Mercury	0.0250	ND	0.0249	100%	80% - 120%
Selenium	0.1000	0.0004	0.1002	100%	80% - 120%
Silver	0.0500	ND	0.0498	100%	80% - 120%

ND - Parameter not detected at the stated detection limit.

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

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

Methods 7060B, 7081, 7131A, 7191, 7470A, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA, December 1996.

Comments: **QA/QC for samples D861, D867, D882 - D884.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

CHAIN OF CUSTODY RECORD

6252

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
Tierra Environmental	CDI Yard.	
Sampler: Tim Nobis	Client No. 04074-03	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	BTEX	TCLP w/o HS?					Remarks
CDI - #1	8-28	9:30 AM	D882	Soil	1	✓	✓					
CDI - #2	8-28	9:35 AM	D883	Soil	1	✓	✓					

	Date	Time		Date	Time
Relinquished by: (Signature)	8-31-98	12:40	Received by: (Signature)	8.31.98	12:40
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.

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

Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		

District I - (505) 393-6161
P. O. Box 1980
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 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐	4. Generator Conoco
Verbal Approval Received: 8/13/98 Yes ☒ No ☐ D. Foust	5. Originating Site NG&GP Plant
2. Management Facility Destination Tierra Environmental Land farm	6. Transporter
3. Address of Facility Operator 4420 C.R. 3100 Aztec, San Juan County	8. State New Mexico 87410
7. Location of Material (Street Address or ULSTR) 61 C.R. 4900	Bloomfield, NM 87413

9. Circle One:

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

B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:

Sulfa Check System - H_2S treating/Scrubbing liquid
Champion - Gas Treat 102

RECEIVED
AUG 28 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 300 bbls or Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: _____ TITLE: Environmental Specialist DATE: 8/7/98
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Tim Nobis TELEPHONE NO. 334-8894

(This space for State Use)

APPROVED BY: Denny E. Foust TITLE: Geologist DATE: 8/28/98

APPROVED BY: Ernie Busch TITLE: _____ DATE: _____

Post-it™ Fax Note 7671	Date 8-7-98	# of pages ▶ 1
To Tim Nobis	From Richard Theander	
Co./Dept. Tierra Environmental	Co. Conoco-San Juan Plant	
Phone # 334-8894	Phone # 632-4907	
Fax # 334-9024	Fax # 632-4930	

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Conoco Inc.-NG&GP San Juan Gas Plant 61 CR 4900 Bloomfield, NM 87413	Tierra Environmental Co., Inc. Tierra Land Farm Facility 420 CR 3100 Aztec, San Juan County NM 87410

3. Originating Site (name): **Location of the Waste (Street address &/or ULSTR):**

Same As Above (Generator)

Attach list of originating sites as appropriate

4. Source and Description of Waste

Sulfa Check System - H2S treating/scrubbing liquid
Champion - Gas Treat 102

For the month of August

I, Richard R. Theander representative for:
(Print Name)

Conoco, Inc. NG&GP, San Juan Gas Plant do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

__xx__ EXEMPT oilfield waste

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

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

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

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

Name (Original Signature): Richard R. Theander

Title: Process Foreman

Date: 8-7-98

300 BBLs approx. to be received sometime between Aug. 19th thru 21st

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1 Rio Brazos Road
[illegible], 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

Roger Anderson

Form C-138
Originated 8/8/95

Submit Original Plus 1 Copy to appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Big A Well Service
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Farmington Yard
2. Management Facility Destination Tierra Environmental Landfarm	6. Transporter Riley
3. Address of Facility Operator 420 C.R. 3100 Aztec, San Juan County	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 708 S. Tucker Farmington, NM 87401	San Juan County, New Mexico

9. Circle One:

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

B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:
Sludge that was generated cleaning oilfield Equipment

RECEIVED
JUL 24 1998
OIL CON. DIV.
DIST. 3

Water from sump approved to go to Sunco

Estimated Volume 70 bbls or Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: _____ TITLE: Environmental Specialist DATE: 7-20-98
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Tim Nobis TELEPHONE NO. 334-8894

(This space for State Use)

APPROVED BY: Denny G. Foust TITLE: Geologist DATE: 7/24/98

APPROVED BY: _____ TITLE: Bureau Chief DATE: 8/27/98

District I - (505) 393-6161
P. O. Box 1980
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
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Form C-138
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Submit Original
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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Big A Well Service
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Farmington Yard
2. Management Facility Destination Tierra Environmental Landfarm	6. Transporter Riley
3. Address of Facility Operator 4200 C.R. 3100 Aztec, San Juan County	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 708 S. Tucker Farmington, NM 87401	San Juan County, New Mexico

9. Circle One:

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

B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:
Sludge that was generated cleaning oilfield Equipment

RECEIVED
JUL 24 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 70 bbls or Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: _____ TITLE: Environmental Specialist DATE: 7-20-98
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Tim Nobis TELEPHONE NO. 334-8894

(This space for State Use)

APPROVED BY: Denny G. Foust TITLE: Geologist DATE: 7/24/98

APPROVED BY: _____ TITLE: _____ DATE: _____

RECEIVED
JUL 24 1998
OIL CON. DIV.
DIST. 3

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
BIG A well service	~~SUNCO~~ TIERRA LAND FARM
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
BIG A WASH SUMP Attach list of originating sites as appropriate	708 S Tucker FARMINGTON, NM
4. Source and Description of Waste	
Sludge that was generated cleaning oilfield equipment Approx. 70 bbls	

I, Hal Stone representative for:
(Print Name)

Key Four Corners, Inc. – DBA Sunco Trucking Co. do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

___ **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Hal Stone

Title: General Manager – Trucking Division

Date: 7-20-98

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Sunco Trucking	Project #:	98065-01
Sample ID:	B 16 A Sump	Date Reported:	07-14-98
Lab ID#:	D605	Date Sampled:	07-13-98
Sample Matrix:	Sludge	Date Received:	07-13-98
Preservative:	Cool	Date Analyzed:	07-13-98
Condition:	Cool & Intact	Chain of Custody:	6159

Parameter	Result	
IGNITABILITY:	**Negative**	
CORROSIVITY:	**Negative**	**pH = 7.34**
REACTIVITY:	**Negative**	

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. *(i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)*
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. *(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)*
REACTIVITY:	Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. *(i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)*
Reference:	40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: **B 16 A Sump.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	Sunco Trucking	Project #:	98065-01
Sample ID:	B 16 A Sump	Date Reported:	07-14-98
Laboratory Number:	D605	Date Sampled:	07-13-98
Chain of Custody:	6159	Date Received:	07-13-98
Sample Matrix:	Sludge	Date Extracted:	07-13-98
Preservative:	Cool	Date Analyzed:	07-14-98
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	**ND**	**0.0001**	**0.2**
1,1-Dichloroethene	**ND**	**0.0001**	**0.7**
2-Butanone (MEK)	**ND**	**0.0001**	**200**
Chloroform	**0.0198**	**0.0001**	**6.0**
Carbon Tetrachloride	**ND**	**0.0001**	**0.5**
Benzene	**ND**	**0.0001**	**0.5**
1,2-Dichloroethane	**ND**	**0.0001**	**0.5**
Trichloroethene	**ND**	**0.0003**	**0.5**
Tetrachloroethene	**ND**	**0.0005**	**0.7**
Chlorobenzene	**ND**	**0.0003**	**100**
1,4-Dichlorobenzene	**ND**	**0.0002**	**7.5**

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	**98%**
	Bromofluorobenzene	**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: **B 16 A Sump.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040
PHENOLS

Client:	Sunco Trucking	Project #:	98065-01
Sample ID:	B 16 A Sump	Date Reported:	07-16-98
Laboratory Number:	D605	Date Sampled:	07-13-98
Chain of Custody:	6159	Date Received:	07-13-98
Sample Matrix:	Sludge	Date Extracted:	07-13-98
Preservative:	Cool	Date Analyzed:	07-15-98
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	0.056	0.040	200
2,4,6-Trichlorophenol	0.072	0.020	2.0
2,4,5-Trichlorophenol	0.140	0.020	400
Pentachlorophenol	0.451	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	98%
	2,4,6-Tribromophenol	100%

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

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

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

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

Comments: **B 16 A Sump.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	Sunco Trucking	Project #:	98065-01
Sample ID:	B 16 A Sump	Date Reported:	07-16-98
Laboratory Number:	D605	Date Sampled:	07-13-98
Chain of Custody:	6159	Date Received:	07-13-98
Sample Matrix:	Sludge	Date Extracted:	07-13-98
Preservative:	Cool	Date Analyzed:	07-15-98
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	**100%**

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: **B 16 A Sump.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Sunco Trucking	Project #:	98065-01
Sample ID:	B 16 A Sump	Date Reported:	07-15-98
Laboratory Number:	D605	Date Sampled:	07-13-98
Chain of Custody:	6159	Date Received:	07-13-98
Sample Matrix:	Sludge	Date Analyzed:	07-15-98
Preservative:	Cool	Date Extracted:	07-13-98
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	**ND**	**0.0001**	**5.00**
Barium	**0.316**	**0.001**	**100**
Cadmium	**0.0038**	**0.0001**	**1.00**
Chromium	**0.0195**	**0.0001**	**5.00**
Lead	**0.0016**	**0.0001**	**5.00**
Mercury	**ND**	**0.0001**	**0.200**
Selenium	**ND**	**0.0001**	**1.00**
Silver	**ND**	**0.0001**	**5.0**

ND - Parameter not detected at the stated detection limit.

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

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA. December 1996.

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

Comments: **B 16 A Sump.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL

DOCUMENTATION

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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:	Laboratory Blank	Date Reported:	07-14-98
Laboratory Number:	07-14-TCV-Blank	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-14-98
Condition:	N/A	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	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 sample D605.**

Analyst

Review

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ENVIRO-TECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	07-14-98
Laboratory Number:	07-13-TCV-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-14-98
Condition:	N/A	Date Extracted:	07-13-98
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	98%

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

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

Comments: **QA/QC for sample D605.**

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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:	Matrix Duplicate	Date Reported:	07-14-98
Laboratory Number:	D605	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	07-14-98
Condition:	N/A	Date Extracted:	N/A

Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	ND	ND	0.0001	0.0%
Chloroform	0.0198	0.0201	0.0001	1.3%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	ND	ND	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0003	0.0%
Tetrachloroethene	ND	ND	0.0005	0.0%
Chlorobenzene	ND	ND	0.0003	0.0%
1,4-Dichlorobenzene	ND	ND	0.0002	0.0%

ND - Parameter not detected at the stated detection limit.

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

Comments: **QA/QC for sample D605.**

Analyst

Review

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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:	Matrix Spike	Date Reported:	07-14-98
Laboratory Number:	D605	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	07-14-98
Condition:	N/A	Date Extracted:	N/A

Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.050	0.0495	0.0001	99%	28-163
1,1-Dichloroethene	ND	0.050	0.0494	0.0001	99%	43-143
2-Butanone (MEK)	ND	0.050	0.0495	0.0001	99%	47-132
Chloroform	0.0198	0.050	0.0696	0.0001	100%	49-133
Carbon Tetrachloride	ND	0.050	0.0491	0.0001	98%	43-143
Benzene	ND	0.050	0.0498	0.0001	100%	39-150
1,2-Dichloroethane	ND	0.050	0.0494	0.0001	99%	51-147
Trichloroethene	ND	0.050	0.0495	0.0003	99%	35-146
Tetrachloroethene	ND	0.050	0.0494	0.0005	98%	26-162
Chlorobenzene	ND	0.050	0.0489	0.0003	98%	38-150
1,4-Dichlorobenzene	ND	0.050	0.0485	0.0002	97%	42-143

ND - Parameter not detected at the stated detection limit.

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

Comments: **QA/QC for sample D605.**

Analyst

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ENVIRO-TECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040
PHENOLS
Quality Assurance Report
Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	07-16-98
Laboratory Number:	07-15-TCA-Blank	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-15-98
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	99 %
	2,4,6-tribromophenol	99 %

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

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

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

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

Comments: **QA/QC for sample D605.**

Analyst

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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:	07-16-98
Laboratory Number:	07-13-TCA-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extraction	Date Received:	N/A
Preservative:	Cool	Date Extracted:	07-13-98
Condition:	Cool & Intact	Date Analyzed:	07-15-98
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	**ND**	**0.020**	**200**
p,m-Cresol	**ND**	**0.040**	**200**
2,4,6-Trichlorophenol	**ND**	**0.020**	**2.0**
2,4,5-Trichlorophenol	**ND**	**0.020**	**400**
Pentachlorophenol	**ND**	**0.020**	**100**

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	**99%**
	2,4,6-Tribromophenol	**99%**

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

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

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

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

Comments: **QA/QC for sample D605.**

Analyst

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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:	Matrix Duplicate	Date Reported:	07-16-98
Laboratory Number:	D605	Date Sampled:	N/A
Sample Matrix:	TCLP Extraction	Date Received:	N/A
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool & Intact	Date Analyzed:	07-15-98
		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	0.056	0.056	0.040	0.0%
2,4,6-Trichlorophenol	0.072	0.074	0.020	2.5%
2,4,5-Trichlorophenol	0.140	0.141	0.020	0.7%
Pentachlorophenol	0.451	0.453	0.020	0.5%

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. 198

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

Comments: **QA/QC for sample D605.**

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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:	Laboratory Blank	Date Reported:	07-16-98
Laboratory Number:	07-15-TBN-Blank	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	07-15-98
		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	**100%**

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

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

Comments: **QA/QC for sample D605.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	07-16-98
Laboratory Number:	07-13-TBN-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	07-13-98
Condition:	Cool and Intact	Date Analyzed:	07-15-98
		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	**100%**

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

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

Comments: **QA/QC for sample D605.**

Analyst

Review Stacy W Sendler

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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:	07-16-98
Laboratory Number:	D605	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	07-15-98
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	**ND**	**ND**	**0.0%**	**0.020**
Hexachloroethane	**ND**	**ND**	**0.0%**	**0.020**
Nitrobenzene	**ND**	**ND**	**0.0%**	**0.020**
Hexachlorobutadiene	**ND**	**ND**	**0.0%**	**0.020**
2,4-Dinitrotoluene	**ND**	**ND**	**0.0%**	**0.020**
HexachloroBenzene	**ND**	**ND**	**0.0%**	**0.020**

ND - Parameter not detected at the stated detection limit.

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

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

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

Comments: **QA/QC for sample D605.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	07-15-TCM QA/QC	Date Reported:	07-15-98
Laboratory Number:	D605	Date Sampled:	N/A
Sample Matrix:	Sludge	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	07-15-98
Condition:	N/A	Date Extracted:	07-13-98

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Barium	ND	ND	0.001	0.316	0.316	0.0%	0% - 30%
Cadmium	ND	ND	0.0001	0.0038	0.0040	5.3%	0% - 30%
Chromium	ND	ND	0.0001	0.0195	0.0192	1.5%	0% - 30%
Lead	ND	ND	0.0001	0.0016	0.0016	0.0%	0% - 30%
Mercury	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Silver	ND	ND	0.0001	ND	ND	0.0%	0% - 30%

Spike Conc. (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.1000	ND	0.0994	99%	80% - 120%
Barium	1.000	0.316	1.32	100%	80% - 120%
Cadmium	0.0500	0.0038	0.0537	100%	80% - 120%
Chromium	0.0500	0.0195	0.0690	99%	80% - 120%
Lead	0.1000	0.0016	0.1015	100%	80% - 120%
Mercury	0.0250	ND	0.0249	100%	80% - 120%
Selenium	0.1000	ND	0.0997	100%	80% - 120%
Silver	0.0500	ND	0.0499	100%	80% - 120%

ND - Parameter not detected at the stated detection limit.

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

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

Methods 7060B, 7081, 7131A, 7191, 7470A, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA, December 1996.

Comments: **QA/QC for sample D605.**

Analyst

Review

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CHAIN OF CL S' 'ODY RECORD

6159

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
Sunco Trucking / B16A Sump	B16A Sump	
Sampler: Michael Talovich	Client No. 98065-01	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TCLP w/o HG's?					Remarks
B16 A Sump	7.13.98	900	D605	Sludge	1	✓					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	7-13-98	930	[signature]	7-13-98	0930
Relinquished by: (Signature)			Received by: (Signature)		
ꟾ ıquished by: (Signature)			Received by: (Signature)		

334-6186

ENVIROTECH INC.

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

Sample Receipt	Y	N	N/A
Received Intact	X		
Cool - Ice/Blue Ice	X		

District I - (505) 393-6161
P. O. Box 1980
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 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐	4. Generator M.R. SCHACK
Verbal Approval Received: Yes ☒ No ☐	5. Originating Site FULLERTON GC #1F
2. Management Facility Destination TIERRA ENV. LANDFARM	6. Transporter RIVERSTONE CONST.
3. Address of Facility Operator 420 CR 3100 AZTEC	8. State NM
7. Location of Material (Street Address or ULSTR) S.34 T28N R13W	

9. Circle One:

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

B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL: Earthen pit material contamination with light end hydrocarbons from drip line on separator

RECEIVED
AUG 3 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 30 yds cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: _____ TITLE: Env. Specialist DATE: 7-28-98
Waste Management Facility Authorized Agent

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

(This space for State Use)

APPROVED BY: _____ TITLE: Geologist DATE: 8/4/98

APPROVED BY: _____ TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
M.R. SCHALK	TIERRA ENVIRONMENTAL 420 CR 3100 Aztec NM 87410
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
FULLERTON GAS Com #1-E Attach list of originating sites as appropriate	S-34; T-28N, R-13W
4. Source and Description of Waste	
EARTHEN PIT MATERIAL CONTAMINATED WITH light End hydrocarbons from Drip Line on Separator	

I, John Ahlm representative for:
(Print Name)

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

X **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): John A Ahlm II

Title: Office Manager

Date: 7-29-98

District I - (505) 393-6161
P.O. Box 1980
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 8/8/95

Submit Original
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to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 98076

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Hanover Compression
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Farmington Yard
2. Management Facility Destination Tierra Environmental Landfarm	6. Transporter
3. Address of Facility Operator 420 C.R. 3100 Aztec, San Juan County	8. State New Mexico 87410
7. Location of Material (Street Address or ULSTR) 1300 W. Murray Dr.	Farmington, San Juan County, NM 87401

9. Circle One:

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

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:
Compressor Oil Contaminated Soil
Yard Clean-up Waste Oil from Cleaning Compressor

RECEIVED
JUL 29 1998
Environmental Bureau
Oil Conservation Division

RECEIVED
JUL 28 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 100 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: _____ TITLE: Envicommental Specialist DATE: 7-27-98
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Tim Nabis TELEPHONE NO. 334-8894

(This space for State Use)

APPROVED BY: Denny G. Foust TITLE: Geologist DATE: 7/28/98

APPROVED BY: _____ TITLE: _____ DATE: 7/30/98

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
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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
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Originated 8/8/95

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District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 98076

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Hanover Compression
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Farmington Yard
2. Management Facility Destination Tierra Environmental Landfarm	6. Transporter
3. Address of Facility Operator 4200 C.R. 3100 Aztec, San Juan County	8. State New Mexico 87410
7. Location of Material (Street Address or ULSTR) 1300 W. Murray Dr.	Farmington, San Juan County, NM 87401

9. Circle One:

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

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:
Compressor Oil Contaminated Soil
Yard Clean-up Waste Oil from Cleaning Compressor

RECEIVED
JUL 29 1998
Environmental Bureau
Oil Conservation Division

RECEIVED
JUL 28 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 100 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: _____ TITLE: Environmental Specialist DATE: 7-27-98
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Tim Nabis TELEPHONE NO. 334-8894

(This space for State Use)

APPROVED BY: Denny E. Foust TITLE: Geologist DATE: 7/28/98

APPROVED BY: _____ TITLE: _____ DATE: 7/30/98

District I - (505) 393-6161
P. O. Box 1980
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
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New Mexico
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Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

Form C-138
Originated 8/8/95

Submit Original Plus 1 Copy to appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 98076

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Hanover Compression
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Farmington Yard
2. Management Facility Destination Tierra Environmental Land Farm	6. Transporter
3. Address of Facility Operator 420 C.R. 3100 Aztec, San Juan County	8. State New Mexico 87410
7. Location of Material (Street Address or ULSTR) 1300 W. Murray Dr.	Farmington, San Juan County, NM 87401

9. Circle One:

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

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:
Compressor Oil Contaminated Soil
Yard Clean-up Waste Oil from Cleaning Compressor

RECEIVED
JUL 28 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 100 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: _____ TITLE: Environmental Specialist DATE: 7-27-98
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Tim Nabis TELEPHONE NO. 334-8894

(This space for State Use)

APPROVED BY: Denny G. Foust TITLE: Geologist DATE: 7/28/98

APPROVED BY: _____ TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Hanover Compression 1280 Troy King Road Farmington, NM 87401	Tierra Environmental Corporation P.O. Box 15250 Farmington, NM 87499
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
Hanover Compression Attach list of originating sites as appropriate	1300 W. Murray Drive Farmington, NM 87401
4. Source and Description of Waste	
Compressor Oil Contaminated Soil. Yard cleanup waste oil from cleaning compressor.	

I, Bill Longacre representative for:

Hanover Compression do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1998, regulatory determination, the above-described waste is: (Check appropriate classification)

_____ **EXEMPT** oilfield waste

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

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

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

_____ MSDS Information

_____ Other (description):

XXX RCRA Hazardous Waste Analysis

_____ Chain of Custody

Name (Original Signature): Bill Longacre

Title: Shop Foreman

Date: 7-23-98

OFF: (505) 325-5667

ON SITE TECHNOLOGIES, LTD.

LAB: (505) 325-1556

ANALYTICAL REPORT

Date: *21-Jul-98*

Client:	On Site Technologies, Limited Partnership	**Client Sample Info:**	Hanover Compressor Corp.
Work Order:	9806089	**Client Sample ID:**	#2
Lab ID:	9806089-02A **Matrix:** SOIL	**Collection Date:**	6/22/98 1:52:00 PM
Project:	4-1490	**COC Record:**	5158

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
TPH, T/R SOIL		**E418.1**				Analyst: **DC**
Petroleum Hydrocarbons, T/R	74000	1200		mg/Kg	50	6/23/98

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

P.O. BOX 2606 • FARMINGTON, NM 87499

OFF: (505) 325-5667

ON SITE
TECHNOLOGIES, LTD.

LAB: (505) 325-1556

July 21, 1998

Dion Pete
On Site Technologies, Limited Partnership
612 E. Murray Drive
P.O. Box 2606
Farmington, NM 87499
TEL: (505) 325-5667
FAX (505) 327-1496

RE: 4-1490 Order No.: 9806089

Dear Dion Pete,

On Site Technologies, LTD. received 2 samples on 6/22/98 for the analyses presented in the following report.

The Samples were analyzed for the following tests:

AQPREP SEP FUNNEL: BNA (SW3510)
AQPREP TOTAL METALS: ICP (SW3010A)
CORROSIVITY by pH (SW9045B)
CYANIDE, Reactive (SW7.3.3.2)
ICP METALS, TCLP Leached (SW1311/6010A)
IGNITABILITY (SW1010)
MERCURY, TCLP Leached (SW7470)
SEMIVOLATILES, TCLP Leached (SW1311/8270A)
SULFIDE, Reactive (SW7.3.4.2)
TCLP Sample Prep (Metals) (SW1311)
TCLP Sample Prep (Organics) (SW1311)
TCLP ZHE (Vol extraction) (SW1311)
TPH, T/R Soil (E418.1)
VOLATILES, TCLP Leached (SW1311/8240A)

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

OFF: (505) 325-5667

ON SITE
TECHNOLOGIES, LTD.

LAB: (505) 325-1556

On Site Technologies, LTD.

Date: *21-Jul-98*

CLIENT: On Site Technologies, Limited Partnership
Project: 4-1490
Lab Order: 9806089

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition. Methods for Chemical Analysis of Waters and Wastes, EPA-600, March 1993.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

P.O. BOX 2606 • FARMINGTON, NM 87499

300

On Site Technologies, LTD.

Date: *21-Jul-98*

CLIENT: On Site Technologies, Limited Partnership
Work Order: 9806089
Project: 4-1490

QC SUMMARY REPORT

Method Blank

Sample ID: **MB-20** Batch ID: **20** Test Code: **E418.1** Units: **mg/Kg** Analysis Date **6/23/98** Prep Date: **6/23/98**

Client ID: **9806089** Run ID: **TPH 1_980623A** SeqNo: **3392**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, T/R	25	25									

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: *21-Jul-98*

CLIENT: On Site Technologies, Limited Partnership
Work Order: 9806089
Project: 4-1490

QC SUMMARY REPORT

Sample Duplicate

Sample ID: **9806089-02AD** Batch ID: **20** Test Code: **E418.1** Units: **mg/Kg** Analysis Date **6/23/98** Prep Date: **6/23/98**

Client ID: **#2** **9806089** Run ID: **TPH 1_980623A** SeqNo: **3414**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, T/R	75000	1200	0	0	0.0%	0	0	74020	1.3%	16	

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: *21-Jul-98*

CLIENT: On Site Technologies, Limited Partnership
Work Order: 9806089
Project: 4-1490

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: **9806059-17AMS** Batch ID: **20** Test Code: **E418.1** Units: **mg/Kg** Analysis Date **6/23/98** Prep Date: **6/23/98**

Client ID: **9806089** Run ID: **TPH 1_980623A** SeqNo: **3401**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, T/R	823.5	24	813.7	0	101.2%	80	120				B

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: *21-Jul-98*

CLIENT: On Site Technologies, Limited Partnership
Work Order: 9806089
Project: 4-1490

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: **LCS-20** Batch ID: **20** Test Code: **E418.1** Units: **mg/Kg** Analysis Date **6/23/98** Prep Date: **6/23/98**

Client ID: **9806089** Run ID: **TPH 1_980623A** SeqNo: **3394**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, T/R	880	25	880	25	97.2%	89	111				

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: *21-Jul-98*

CLIENT: On Site Technologies, Limited Partnership
Work Order: 9806089
Project: 4-1490

QC SUMMARY REPORT
Continuing Calibration Verification Standard

Sample ID: **CCV1**	Batch ID: **20**	Test Code: **E418.1**	Units: **mg/Kg**	Analysis Date **6/23/98**	Prep Date:
Client ID:	**9806089**	Run ID: **TPH 1_980623A**		SeqNo: **3393**	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, T/R	121	25	124	0	97.6%	80	120				

Sample ID: **CCV2**	Batch ID: **20**	Test Code: **E418.1**	Units: **mg/Kg**	Analysis Date **6/23/98**	Prep Date:
Client ID:	**9806089**	Run ID: **TPH 1_980623A**		SeqNo: **3415**	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, T/R	123	25	124	0	99.2%	80	120				

Sample ID: **CCV3**	Batch ID: **20**	Test Code: **E418.1**	Units: **mg/Kg**	Analysis Date **6/23/98**	Prep Date:
Client ID:	**9806089**	Run ID: **TPH 1_980623A**		SeqNo: **3416**	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, T/R	244	25	248	0	98.4%	80	120				

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

RECEIVED JUL 2 0 1998

Mountain States Analytical, Inc.

The Quality Solution

July 15, 1998

Mr. David Cox
On Site Technologies, Ltd.
612 E Murray Drive
Farmington, NM 87401

Reference:
Project: Solid Samples
MSAI Group: 22927

Dear Mr. Cox:

Enclosed are the analytical results for your project referenced above. The following sample is included in the report.

9806089-01A **Hanover Compressor #1** (W)

All holding times were met for the tests performed on these samples.

If the report is acceptable, please approve the associated invoice and forward it for payment.

Thank you for selecting Mountain States Analytical, Inc. to serve as your analytical laboratory on this project. If you have any questions concerning these results, please feel free to contact me at any time.

We look forward to working with you on future projects.

With Regards,

Rolf E. Larsen
Project Manager

Corporate Office
1645 West 2200 South, Salt Lake City, Utah 84119
801-973-0050 • 1-800-973-6724(MSAI) • FAX 801-972-6278
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Mountain States Analytical, Inc.

The Quality Solution

On Site Technologies, Ltd.
612 E Murray Drive
Farmington, NM 87401

Attn: Mr. David Cox
Project: Solid Samples

MSAI Sample: 82029
MSAI Group: 22927
Date Reported: 07/10/98
Discard Date: 08/09/98
Date Submitted: 06/23/98
Date Sampled: 06/22/98
Collected by:
Purchase Order:
Project No.:

Sample ID: 9806089-01A
Matrix: Soil

Test	Analysis	Results as Received	Units		Limit of Quantitation
0259T	Mercury by CVAA, TCLP, 7470	ND	mg/l		0.0005
	Method: SW-846 7470				
0392N	Mercury Prep CVAA, TCLP, 7470	Batch. w139			
	Method: SW-846 7470				
0393T	Flame/hrICP Prep, TCLP, 3010A	Batch. w389			
	Method: SW-846 3010A				
13004	Metals by hrICP, TCLP (UTS)				
	Method: SW-846 6010A				
	Arsenic	ND	mg/l		0.08
	Barium	ND	mg/l		1.00
	Cadmium	0.007	mg/l		0.005
	Chromium	ND	mg/l		0.03
	Lead	ND	mg/l		0.08
	Selenium	ND	mg/l		0.08
	Silver	ND	mg/l		0.02
0395	Corrosivity, sw, 9045C	7.79	Std. Units		0.05
	Method: SW-846 9045C				
0542	Ignitability, sw				
	Method: MSAI IN HOUSE				
	Ignitable upon water contact	Negative	Degrees F		
	Ignitable by friction	Negative	Degrees F		
	Spontaneously combusts in air	Negative	Degrees F		
	Ignitability	>146	Degrees F	(1)	50
0946	TCLP Extraction, ZHE, sw, 1311	100	% Solids		0.001
	Method: SW-846 1311				
0947J	TCLP Extraction, hrICP, Metals	100	% Solids		0.001
	Method: SW-846 1311				

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1645 West 2200 South, Salt Lake City, Utah 84119
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6223 Bayonne, Spring, Texas 77389
281-320-2842 • FAX 281-320-0989
e-mail: gbrewer@msailabs.com

MEMBER ACIL

Mountain States Analytical, Inc.
The Quality Solution

On Site Technologies, Ltd.

MSAI Sample: 82029
MSAI Group: 22927

Sample ID: 9806089-01A

Test	Analysis	Results as Received	Units	Dilution Factor	Limit of Quantitation
0947M	TCLP Extraction, Mercury, 1311 Method: SW-846 1311	100	% Solids	1	0.001
0947S	TCLP Extraction, Semi-VOA, 1311 Method: SW-846 1311	100	% Solids	1	0.001
1121	Reactivity, (Cyanide & Sulfide)sw Method: SW-846 CHAPTER 7.3				
	Cyanide (reactive)	ND	mg/kg	1	50
	Sulfide (reactive)	ND	mg/kg	1	120
0949	Semi-VOA, TCLP Method: SW-846 8270A				
	2,4-Dinitrotoluene	ND	mg/l	1	0.0400
	Hexachlorobenzene	ND	mg/l	1	0.0400
	Hexachlorobutadiene	ND	mg/l	1	0.0400
	Hexachloroethane	ND	mg/l	1	0.0400
	Nitrobenzene	ND	mg/l	1	0.0400
	Pyridine	ND	mg/l	1	0.0400
	2-Methylphenol (o-Cresol)	ND	mg/l	1	0.100
	3 and 4- Methylphenol (m+p cresol)	ND	mg/l	1	0.100
	Pentachlorophenol	ND	mg/l	1	0.100
	2,4,5-Trichlorophenol	ND	mg/l	1	0.100
	2,4,6-Trichlorophenol	ND	mg/l	1	0.100
3000T	SVOA Extraction, TCLP Method: SW-846 3510B	Complete		1	
0948	Volatiles, TCLP 8260A, sw Method: SW-846 8260A				
	Benzene	ND	mg/l	10	0.050
	Carbon tetrachloride	ND	mg/l	10	0.050
	Chlorobenzene	ND	mg/l	10	0.050
	Chloroform	ND	mg/l	10	0.050
	1,2-Dichloroethane	ND	mg/l	10	0.050
	1,1-Dichloroethene	ND	mg/l	10	0.050
	2-Butanone (MEK)	ND	mg/l	10	0.250
	Tetrachloroethene	ND	mg/l	10	0.050
	Trichloroethene	ND	mg/l	10	0.050

Mountain States Analytical, Inc.

The Quality Solution

On Site Technologies, Ltd.

MSAI Sample: 82029
MSAI Group: 22927

Sample ID: 9806089-01A

Test	Analysis	Results as Received	Units	Dilution Factor	Limit of Quantitation
0948	Volatiles, TCLP 8260A, sw				
	Method: SW-846 8260A				
	Vinyl chloride	ND	mg/l	10	0.050
	1,4-Dichlorobenzene	ND	mg/l	10	0.050

(1) Sample did not flash up to 146 F.

ND - Not detected at the Limit of Quantitation.

This report consists of the following items: A cover letter, a signed analytical report for each sample specified on the cover letter, and if applicable, an inorganic quality control summary. Organic sample reports contain footnotes which describe any quality control anomalies which may have occurred.

Respectfully Submitted,
Reviewed and Approved by:

Rolf E. Larsen
Project Manager

Mountain States Analytical, Inc.
Daily QC Batching Data
Data Released for Reporting

06/30/98
08:38:01
Group: 22927

Analysis Batch Number: 0395 -06/26/98-157 -1
Test Identification : 0395 -Corrosivity, sw, 9045C Sequence :
Number of Samples : 2
Batch Data-Date/Time : 06/29/98 / 12:38:48

DUPLICATE

SAMPLE#	ANALYTE	RESULT 1	RESULT 2	RPD #	LIMIT	DILUTION
22817-81551	pH of soil slurry	7.4200	7.4100	0.1	1.4	1.00

CONTROL

SAMPLE#	ANALYTE	CONC FOUND	CONC KNOWN	% REC #	QC LIMITS LOWER	QC LIMITS UPPER
LCS-1	pH of soil slurry	4.0100	4.0000	100.3	97.1	104.1
LCS-2	pH of soil slurry	4.0300	4.0000	100.8	97.1	104.1

Groups & Samples

22817-81551 22876-81795 22927-82029

Mountain States Analytical, Inc.
Daily QC Batching Data
Data Released for Reporting

06/30/98
08:38:03
Group: 22927

Analysis Batch Number: 0542 -06/24/98-038 -1
Test Identification : 0542 -Ignitability, sw
Number of Samples : 1
Batch Data-Date/Time : 06/25/98 / 15:25:09

Sequence :

CONTROL SAMPLE#	ANALYTE	CONC FOUND	CONC KNOWN	% REC	#	QC LIMITS LOWER	QC LIMITS UPPER
STD-1	Ignitability	85.0000	81.0000	104.9		96.7	106.1

Groups & Samples

22927-82029

Mountain States Analytical, Inc.
Daily QC Batching Data
Data Released for Reporting

06/30/98
08:38:06
Group: 22927

Analysis Batch Number: 1121 -06/25/98-147 -1
Test Identification : 1121 -Reactivity, (Cyanide & Sulfide)sw Sequence :
Number of Samples : 8
Batch Data-Date/Time : 06/29/98 / 10:24:42

BLANK#	ANALYTE	CONC FOUND #	CONC LIMIT
BLK-1	Cyanide (reactive)	0.8760	10.0000
BLK-1-2	Cyanide (reactive)	ND	10.0000

DUPLICATE

SAMPLE#	ANALYTE	RESULT 1	RESULT 2	RPD #	LIMIT	DILUTION
STD-1	Cyanide (reactive)	3.6500	3.5000	4.2	20.0	1.00
STD-1-2	Cyanide (reactive)	0.4170	0.4170	0.0	20.0	1.00

CONTROL

SAMPLE#	ANALYTE	CONC FOUND	CONC KNOWN	% REC #	QC LIMITS LOWER	QC LIMITS UPPER
STD-1	Cyanide (reactive)	3.6500	300.0000	1.2	0.0	77.7
STD-1-2	Cyanide (reactive)	0.4170	300.0000	0.1	0.0	77.7

Groups & Samples

22859-81734 22859-81735 22876-81795 22927-82029

VOLATILE ANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1

Lab Name: MOUNTAIN STATES Contract:

Lab Code: MSAI Case No.: SAS No.: SDG No.: 980707WL

Matrix: (soil/water) WATER Lab Sample ID: 980707WB

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: X4870

Level: (low/med) LOW Date Received:

% Moisture: not dec. _____ Date Analyzed: 07/07/98

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-97-5	Bromochloromethane	5	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
67-64-1	Acetone	20	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
75-15-0	Carbon Disulfide	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
108-05-4	Vinyl Acetate	10	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	20	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
100-75-8	2-Chloroethyl Vinyl Ether	20	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
108-38-3/106-42	m+p-Xylene	5	U

1A.

VOLATILE ANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1

Lab Name: MOUNTAIN STATES Contract:

Lab Code: MSAI Case No.: SAS No.: SDG No.: 980707WL

Matrix: (soil/water) WATER Lab Sample ID: 980707WB

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: X4870

Level: (low/med) LOW Date Received:

% Moisture: not dec. _____ Date Analyzed: 07/07/98

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
140-88-5	Ethyl Acrylate	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
78-83-1	Isobutyl Alcohol	300	U
71-36-3	n-Butyl Alcohol	500	U
110-57-6	trans-1,4-Dichloro-2-butene	10	U
80-62-6	Methyl Methacrylate	5	U
123-91-1	1,4-Dioxane	500	U
74-95-3	Dibromomethane	5	U
79-46-9	2-Nitropropane	50	U
97-63-2	Ethyl Methacrylate	5	U
106-93-4	1,2-Dibromoethane	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
108-94-1	Cyclohexanone	250	U
96-18-4	1,2,3-Trichloropropane	5	U
10645-7	Pentachloroethane	10	U
98-82-8	Isopropylbenzene	10	U
100-44-7	Benzyl Chloride	10	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	10	U
91-20-3	Naphthalene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-69-4	Trichlorofluoromethane	5	U
60-29-7	Ethyl Ether	5	U
110-009	Furan	5	U
107-08-8	Acrolein	100	U
76-13-1	Freon 113	5	U
504-60-9	trans-Piperylene	5	U
504-60-9	cis-Piperylene	5	U
75-05-8	Acetonitrile	150	U
74-88-4	Methyl Iodide	5	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1

Lab Name: MOUNTAIN STATES Contract:

Lab Code: MSAI Case No.: SAS No.: SDG No.: 980707WL

Matrix: (soil/water) WATER Lab Sample ID: 980707WB

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: X4870

Level: (low/med) LOW Date Received:

% Moisture: not dec. _____ Date Analyzed: 07/07/98

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
107-05-1	Allyl Chloride	5	U
107-13-1	Acrylonitrile	50	U
1634-04-4	Methyl t-Butyl Ether	5	U
126-99-8	2-Chloro-1,3-Butadiene	5	U
107-12-0	Propionitrile (ethyl Cyanide	100	U
141-78-6	Ethyl Acetate	10	U
126-98-7	Methacrylonitrile	10	U
109-99-9	Tetrahydrofuran	5	U
110-82-7	Cyclohexane	10	U
1476-11-5	cis-1,4-Dichloro-2-butene	10	U
594-20-7	2,2-Dichloropropane	5	U
563-58-6	1,1-Dichloropropene	5	U
142-28-9	1,3-Dichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
108-86-1	Bromobenzene	5	U
95-49-8	o-Chlorotoluene	5	U
108-61-8	1,3,5-Trimethylbenzene	5	U
106-43-4	p-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	p-Isopropyltoluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	5	U
67-68-3	Hexachlorobutadiene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U

WATER VOLATILE SURROGATE RECOVERY

Lab Name: MOUNTAIN STATES Contract:

Lab Code: MSAI Case No.: SAS No.: SDG No.: 980707WL

	EPA SAMPLE NO.	S1 (TOL) #	S2 (BFB) #	S3 (DCE) #	OTHER	TOT OUT
01	VBLK1	95	93	99		0
02	VBLK1LCS	95	95	102		0
03	VBLK1LCSD	96	95	101		0
04	0623BLK	96	95	97		0
05	CYNE-A	97	97	104		0
06	CYSW-A	97	96	105		0
07	TRIPBLK	97	93	102		0
08	6089	97	92	104		0
09	6089MS	95	94	101		0
10	6089MSD	95	96	101		0
11	SAMPLE06022	94	95	104		0
12	TRUCK	97	96	103		0
13	WASTEWATER	95	94	96		0
14	421-3	98	96	105		0
15	IDMA	96	95	106		0
16	IDMH	96	96	108		0
17	1093-2	95	96	106		0
18	1091-2	97	97	110		0
19	CPDYL	96	97	104		0
20	0626BLK	95	96	107		0
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

		QC LIMITS
S1 (TOL)	= Toluene-d8	(68-131)
S2 (BFB)	= Bromofluorobenzene	(67-132)
S3 (DCE)	= 1,2-Dichloroethane-d4	(77-138)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

WATER VOLATILE MA[illegible] SPIKE/MATRIX SPIKE DUPLIC[illegible] RECOVERY

Lab Name: MOUNTAIN STATES Contract:

Lab Code: MSAI Case No.: SAS No.: SDG No.: 980707WL

Matrix Spike - EPA Sample No.: 6089

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE AMOUNT (ug/L)	MS AMOUNT (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	20.0	0.00	18.7	94	68-132
Benzene	20.0	0.00	19.7	98	82-130
Trichloroethene	20.0	0.00	19.6	98	72-124
Toluene	20.0		18.7	94	77-129
Chlorobenzene	20.0	0.00	21.2	106	74-122

COMPOUND	SPIKE ADDED (ug/L)	MSD AMOUNT (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	20.0	19.2	96	2	16	68-132
Benzene	20.0	20.2	101	3	11	82-130
Trichloroethene	20.0	20.0	100	2	14	72-124
Toluene	20.0	19.0	95	1	12	77-129
Chlorobenzene	20.0	21.3	106	0	12	74-122

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MOUNTAIN STATES Contract:

Lab Code: MSAI Case No.: SAS No.: SDG No.: 980707WL

Matrix Spike - Sample No.: vblk1

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE AMOUNT (ug/L)	LCS AMOUNT (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	20.0	0.00	18.2	91	74-126
Benzene	20.0	0.00	18.3	92	81-125
Trichloroethene	20.0	0.00	18.1	90	78-122
Toluene	20.0	0.00	17.6	88	88-119
Chlorobenzene	20.0	0.00	19.0	95	75-123

COMPOUND	SPIKE ADDED (ug/L)	LCSD AMOUNT (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	20.0	19.1	96	5	13	74-126
Benzene	20.0	19.9	100	8	11	81-125
Trichloroethene	20.0	20.1	100	10	12	78-122
Toluene	20.0	19.0	95	8	9	88-119
Chlorobenzene	20.0	20.7	104	9	12	75-123

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

_____

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0698AMB

Lab Name: MOUNTAIN STATES Contract:

Lab Code: MSAI Case No.: SAS No.: SDG No.: 980701C

Matrix: (soil/water) WATER Lab Sample ID: 82177

Sample wt/vol: 1000 (g/mL) ML Lab File ID: X3980

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N)___ Date Extracted:

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/01/98

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-48-7	2-Methylphenol (o-Cresol)	25.0	U
N0019500	3 and 4-Methylphenol	25.0	U
67-72-1	Hexachloroethane	10.0	U
98-95-3	Nitrobenzene	10.0	U
87-68-3	Hexachlorobutadiene	10.0	U
88-06-2	2,4,6-Trichlorophenol	25.0	U
95-95-4	2,4,5-Trichlorophenol	25.0	U
121-14-2	2,4-Dinitrotoluene	10.0	U
118-74-1	Hexachlorobenzene	10.0	U
87-86-5	Pentachlorophenol	25.0	U
110-86-1	Pyridine	10.0	U

WATER SOLATILE SURROGATE RECOVER.

Lab Name: MOUNTAIN STATES Contract:

Lab Code: MSAI Case No.: SAS No.: SDG No.: 980713A

	EPA SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	S7 #	S8 #	TOT OUT
01	9806089	50	36	63	60	77	60			0
02	MW40A	74	64	77	72	86	83			0
03	DUPB	72	64	75	66	76	80			0
04	MW56	72	63	74	65	75	80			0
05	MW74	72	66	76	68	76	83			0
06	MW53	72	64	78	67	80	84			0
07	CYNEA	40	42	59	57	32	68			0
08	CYSWA	43	40	10*	51	51	42			1
09	CYNWA	40	41	4*	51	45	58			1
10	CBSEAA	53	45	60	56	56	68			0
11	MW22	51	39	71	69	68	86			0
12	TBLK0624	59	44	75	70	80	84			0
13	TBLK0622	59	43	71	69	78	86			0
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

		QC LIMITS
S1 (2FP)	= 2-Fluorophenol	(21-110)
S2 (PHL)	= Phenol-d6	(10-110)
S3 (NBZ)	= Nitrobenzene-d5	(35-114)
S4 (FBP)	= 2-Fluorobiphenyl	(43-116)
S5 (TBP)	= 2,4,6-Tribromophenol	(10-123)
S6 (TPH)	= Terphenyl-d14	(33-141)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM 3
WATER SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: MOUNTAIN STATES Contract:

Lab Code: MSAI Case No.: SAS No.: SDG No.: 980701C

Matrix Spike - Sample No.: 0698AMB

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Phenol	100	0.00	64.6	65	5-112
2-Chlorophenol	100	0.00	69.7	70	23-134
1,4-Dichlorobenzene	100	0.00	69.2	69	20-124
N-Nitrosodi-N-propylami	100	0.00	78.9	79	1-230
1,2,4-Trichlorobenzene	100	0.00	82.2	82	44-142
4-Chloro-3-methylphenol	100	0.00	81.6	82	22-147
Acenaphthene	100	0.00	88.6	89	47-145
4-Nitrophenol	100	0.00	81.7	82	1-132
2,4-Dinitrotoluene	100	0.00	90.0	90	39-139
Pentachlorophenol	100	0.00	92.4	92	14-176
Pyrene	100	0.00	80.6	81	52-115

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	100	61.1	61	6	42	5-112
2-Chlorophenol	100	66.1	66	6	40	23-134
1,4-Dichlorobenzene	100	71.6	72	4	28	20-124
N-Nitrosodi-N-propylami	100	73.4	73	8	38	1-230
1,2,4-Trichlorobenzene	100	84.2	84	2	28	44-142
4-Chloro-3-methylphenol	100	76.5	76	8	42	22-147
Acenaphthene	100	88.3	88	1	31	47-145
4-Nitrophenol	100	80.2	80	2	50	1-132
2,4-Dinitrotoluene	100	89.4	89	1	38	39-139
Pentachlorophenol	100	93.2	93	1	50	14-176
Pyrene	100	78.5	78	4	31	52-115

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

COMMENTS: _____

_____

Mountain States Analytical, Inc.
Daily QC Batching Data
Data Released for Reporting

07/09/98
17:54:29
Group: 22927

Analysis Batch Number: 0259T-07/09/98-107 -1
Test Identification : 0259T-Mercury by CVAA, TCLP, 7470 Sequence : 0259T-1
Number of Samples : 30
Batch Data-Date/Time : 07/09/98 / 16:58:20

BLANK#	ANALYTE	CONC FOUND #	CONC LIMIT
PBW1-139	Mercury	-0.0060	0.1000
PBW2-139-2	Mercury	-0.0290	0.1000
PBW1-140-3	Mercury	-0.0380	0.1000
PBW2-140-4	Mercury	-0.0440	0.1000

SPIKE

SAMPLE#	ANALYTE	CONC ADDED	CONC SAMPLE	CONC SPIKE	% REC #	QC LIMITS LOWER	QC LIMITS UPPER
22865-81743	Mercury	25.0000	-0.0110	24.8300	99.4	80.0	115.0
22865-81743-2	Mercury	25.0000	-0.0110	11.7950	47.2(2b)	50.0	150.0
22940-82066-3	Mercury	25.0000	-0.0390	17.3700	69.6	50.0	150.0
22839-81649-4	Mercury	25.0000	0.0360	25.0750	100.2	80.0	115.0
22839-81649-5	Mercury	25.0000	0.0360	16.3000	65.1	50.0	150.0
22838-81646-6	Mercury	25.0000	-0.0170	22.0400	88.2	80.0	115.0

MSD

SAMPLE#	ANALYTE	CONC ADDED	CONC SAMPLE	RESULT 2	%REC2 #	QC LIMITS LOWER	QC LIMITS UPPER	RPD #	LIMIT
22865-81743	Mercury	25.0000	-0.0110	24.6400	98.6	80.0	115.0	0.8	20.0
22839-81649-2	Mercury	25.0000	0.0360	24.5800	98.2	80.0	115.0	2.0	20.0

DUPLICATE

SAMPLE#	ANALYTE	RESULT 1	RESULT 2	RPD #	LIMIT	DILUTION
22865-81743	Mercury	-0.0110	-0.0500	127.9(11)	20.0	1.00
22839-81649-2	Mercury	0.0360	0.0540	40.0(11)	20.0	1.00

CONTROL

SAMPLE#	ANALYTE	CONC FOUND	CONC KNOWN	% REC #	QC LIMITS LOWER	QC LIMITS UPPER
LCSW-139	Mercury	2.4460	2.5000	97.8	80.0	115.0
LCSW-140-2	Mercury	2.4700	2.5000	98.8	80.0	115.0

CCV #	ANALYTE	TRUE VALUE	BATCH READ	% REC #	QC LIMITS LOWER	QC LIMITS UPPER
ICV-	Mercury	3.0000	3.1450	104.8	90.0	110.0
CCV--2	Mercury	5.0000	4.8790	97.6	80.0	120.0
CCV--3	Mercury	5.0000	4.8930	97.9	80.0	120.0
CCV--4	Mercury	5.0000	4.8920	97.8	80.0	120.0
CCV--5	Mercury	5.0000	4.9780	99.6	80.0	120.0
CCV--6	Mercury	5.0000	4.9460	98.9	80.0	120.0
CCV--7	Mercury	5.0000	4.9430	98.9	80.0	120.0
CCV--8	Mercury	5.0000	4.9740	99.5	80.0	120.0
CCV--9	Mercury	5.0000	4.9360	98.7	80.0	120.0

CCB#	ANALYTE	CONC FOUND #	CONC LIMIT
ICB-	Mercury	0.0080	0.1000
CCB-	Mercury	-0.0040	0.1000
CCB-	Mercury	-0.0200	0.1000
CCB-	Mercury	-0.0270	0.1000
CCB-	Mercury	-0.0220	0.1000
CCB-	Mercury	-0.0300	0.1000
CCB-	Mercury	-0.0450	0.1000
CCB-	Mercury	-0.0620	0.1000

Mountain States Analytical, Inc.
Daily QC Batching Data
Data Released for Reporting

07/09/98
17:54:30
Group: 22927

Analysis Batch Number: 0259T-07/09/98-107 -1
Test Identification : 0259T-Mercury by CVAA, TCLP, 7470 Sequence : 0259T-1
Number of Samples : 30
Batch Data-Date/Time : 07/09/98 / 16:58:20

CCB#	ANALYTE	CONC FOUND #	CONC LIMIT
CCB-	Mercury	-0.0540	0.1000

---------- Result Footnotes ----------
(2b) - The action limit for pre-pres TCLP spike recov is <50% & the sample 80-100% of reg limit
(11) - The duplicate results cannot be evaluated because both results are <MDL.

Groups & Samples

22830-81629	22838-81646	22839-81647	22839-81648	22839-81649	22839-81650	22839-81651	22839-81652
22839-81653	22839-81654	22839-81655	22865-81743	22923-82005	22923-82006	22923-82007	22923-82008
22927-82029	22937-82061	22940-82066	22989-82264	22989-82265	22995-82277	23038-82482	23038-82483
23038-82484	23047-82520	23048-82522	23049-82524	23050-82526			

Mountain States Analytical, Inc.
Daily QC Batching Data
Data Released for Reporting

07/09/98
17:54:30
Group: 22927

Analysis Batch Number: HREXT-07/01/98-061 -3
Test Identification : HREXT-Metals for hr TCLP, by ICP Sequence : DATR181
Number of Samples : 12
Batch Data-Date/Time : 07/02/98 / 16:35:58

BLANK#	ANALYTE	CONC FOUND #	CONC LIMIT
PBW1-389	Silver	0.0001	0.0030
	Arsenic	ND	0.0150
	Barium	0.0006	0.0020
	Beryllium	ND	0.0003
	Cadmium	0.0002	0.0010
	Chromium	0.0009	0.0050
	Copper	0.0012	0.0050
	Nickel	0.0002	0.0150
	Lead	0.0011	0.0150
	Antimony	0.0076	0.0200
	Selenium	0.0110	0.0150
	Thallium	0.0069	0.0080
	Vanadium	0.0003	0.0040
	Zinc	0.0124	0.0150
PBW2-389-2	Silver	0.0006	0.0030
	Arsenic	ND	0.0150
	Barium	0.0009	0.0020
	Beryllium	ND	0.0003
	Cadmium	ND	0.0010
	Chromium	0.0011	0.0050
	Copper	0.0028	0.0050
	Nickel	ND	0.0150
	Lead	0.0029	0.0150
	Antimony	ND	0.0200
	Selenium	0.0064	0.0150
	Thallium	ND	0.0080
	Vanadium	0.0005	0.0040
	Zinc	0.0089	0.0150

SPIKE SAMPLE#	ANALYTE	CONC ADDED	CONC SAMPLE	CONC SPIKE	% REC #	QC LIMITS LOWER	QC LIMITS UPPER
22963-82202	Silver	0.5000	0.0080	0.2340	45.2(2c)	80.0	120.0
	Arsenic	5.0000	19.3454	24.2444	98.0	80.0	120.0
	Barium	10.0000	0.0364	9.4555	94.2	80.0	120.0
	Beryllium	0.0250	0.0009	0.0232	88.9	80.0	120.0
	Cadmium	0.2500	0.0067	0.2161	83.7	80.0	120.0
	Chromium	1.0000	0.2108	1.1397	92.9	80.0	120.0
	Copper	0.5000	0.0387	0.4886	90.0	80.0	120.0
	Nickel	5.0000	0.0305	4.5299	90.0	80.0	120.0
	Lead	0.5000	-0.0090	0.4154	84.9	80.0	120.0
	Antimony	2.5000	0.0106	2.4824	98.9	80.0	120.0
	Selenium	0.2500	0.0418	0.2520	84.1	80.0	120.0
	Thallium	0.1000	-0.0045	0.0872	91.7	80.0	120.0
	Vanadium	0.1000	0.4005	0.4950	94.5	80.0	120.0
	Zinc	5.0000	0.0616	4.9864	98.5	80.0	120.0
22963-82202-2	Silver	0.5000	0.0080	0.2686	52.1(2c)	80.0	120.0
	Arsenic	5.0000	19.3454	24.4324	101.7	80.0	120.0
	Barium	10.0000	0.0364	9.3668	93.3	80.0	120.0
	Beryllium	0.0250	0.0009	0.0235	90.2	80.0	120.0
	Cadmium	0.2500	0.0067	0.2156	83.5	80.0	120.0

Mountain States Analytical, Inc.
Daily QC Batching Data
Data Released for Reporting

07/09/98
17:54:30
Group: 22927

Analysis Batch Number: HREXT-07/01/98-061 -3
Test Identification : HREXT-Metals for hr TCLP, by ICP Sequence : DATR181
Number of Samples : 12
Batch Data-Date/Time : 07/02/98 / 16:35:58

SPIKE

SAMPLE#	ANALYTE	CONC ADDED	CONC SAMPLE	CONC SPIKE	% REC #	QC LIMITS LOWER	QC LIMITS UPPER
22963-82202-2	Chromium	1.0000	0.2108	1.1247	91.4	80.0	120.0
	Copper	0.5000	0.0387	0.4894	90.1	80.0	120.0
	Nickel	5.0000	0.0305	4.4728	88.8	80.0	120.0
	Lead	0.5000	-0.0090	0.4139	84.6	80.0	120.0
	Antimony	2.5000	0.0106	2.4544	97.8	80.0	120.0
	Selenium	0.2500	0.0418	0.2444	81.0	80.0	120.0
	Thallium	0.1000	-0.0045	0.0876	92.0	80.0	120.0
	Vanadium	0.1000	0.4005	0.5016	101.1	80.0	120.0
	Zinc	5.0000	0.0616	4.8832	96.4	80.0	120.0
22940-82066-3	Silver	0.5000	-0.0055	0.4112	83.3	80.0	120.0
	Arsenic	5.0000	-0.0029	4.9464	99.0	80.0	120.0
	Barium	10.0000	0.1472	9.4777	93.3	80.0	120.0
	Beryllium	0.0250	0.0179	0.0426	98.7	80.0	120.0
	Cadmium	0.2500	0.0023	0.2289	90.7	80.0	120.0
	Chromium	1.0000	0.0139	0.9688	95.5	80.0	120.0
	Copper	0.5000	69.1841	66.0374	-629.3(2a)	80.0	120.0
	Nickel	5.0000	0.0650	4.6969	92.6	80.0	120.0
	Lead	0.5000	0.0196	0.4744	91.0	80.0	120.0
	Antimony	2.5000	0.0003	2.5118	100.5	80.0	120.0
	Selenium	0.2500	0.0103	0.2534	97.3	80.0	120.0
	Thallium	0.1000	-0.0031	0.0931	96.2	80.0	120.0
	Vanadium	0.1000	-0.0166	0.0844	100.9	80.0	120.0
	Zinc	5.0000	0.1280	5.1040	99.5	80.0	120.0

MSD

SAMPLE#	ANALYTE	CONC ADDED	CONC SAMPLE	RESULT 2	%REC2 #	QC LIMITS LOWER	QC LIMITS UPPER	RPD #	LIMIT
22963-82202	Silver	0.5000	0.0080	0.4285	84.1	80.0	120.0	58.7(2c)	20.0
	Arsenic	5.0000	19.3454	25.5848	124.8(2c)	80.0	120.0	5.4	20.0
	Barium	10.0000	0.0364	9.8893	98.5	80.0	120.0	4.5	20.0
	Beryllium	0.0250	0.0009	0.0249	95.8	80.0	120.0	7.2	20.0
	Cadmium	0.2500	0.0067	0.2261	87.7	80.0	120.0	4.5	20.0
	Chromium	1.0000	0.2108	1.1846	97.4	80.0	120.0	3.9	20.0
	Copper	0.5000	0.0387	0.5088	94.0	80.0	120.0	4.0	20.0
	Nickel	5.0000	0.0305	4.8379	96.1	80.0	120.0	6.6	20.0
	Lead	0.5000	-0.0090	0.4375	89.3	80.0	120.0	5.2	20.0
	Antimony	2.5000	0.0106	2.5945	103.4	80.0	120.0	4.4	20.0
	Selenium	0.2500	0.0418	0.2618	88.0	80.0	120.0	3.8	20.0
	Thallium	0.1000	-0.0045	0.0879	92.4	80.0	120.0	0.8	20.0
	Vanadium	0.1000	0.4005	0.5235	123.0(2c)	80.0	120.0	5.6	20.0
	Zinc	5.0000	0.0616	5.1849	102.5	80.0	120.0	3.9	20.0

DUPLICATE

SAMPLE#	ANALYTE	RESULT 1	RESULT 2	RPD #	LIMIT	DILUTION
22963-82202	Silver	0.0080	0.0008	163.4(5a)	20.0	1.00
	Arsenic	19.3454	19.9168	2.9	20.0	1.00
	Barium	0.0364	0.0297	20.2(B)	20.0	1.00
	Beryllium	0.0009	0.0010	3.1	20.0	1.00
	Cadmium	0.0067	0.0068	0.7	20.0	1.00
	Chromium	0.2108	0.2121	0.6	20.0	1.00

Mountain States Analytical, Inc.
Daily QC Batching Data
Data Released for Reporting

Analysis Batch Number: HREXT-07/01/98-061 -3
Test Identification : HREXT-Metals for hr TCLP, by ICP Sequence : DATR181
Number of Samples : 12
Batch Data-Date/Time : 07/02/98 / 16:35:58

DUPLICATE

SAMPLE#	ANALYTE	RESULT 1	RESULT 2	RPD #	LIMIT	DILUTION
22963-82202	Copper	0.0387	0.0389	0.5	20.0	1.00
	Nickel	0.0305	0.0299	2.0	20.0	1.00
	Lead	-0.0090	0.0000	200.0(11)	20.0	1.00
	Antimony	0.0106	0.0151	35.0(11)	20.0	1.00
	Selenium	0.0418	0.0209	66.5(5a)	20.0	1.00
	Thallium	-0.0045	0.0000	200.0(11)	20.0	1.00
	Vanadium	0.4005	0.4110	2.6	20.0	1.00
	Zinc	0.0616	0.0557	10.1	20.0	1.00

CONTROL

SAMPLE#	ANALYTE	CONC FOUND	CONC KNOWN	% REC #	QC LIMITS LOWER	QC LIMITS UPPER
LCSW-389	Silver	0.0520	0.0500	104.0	80.0	120.0
	Arsenic	2.0515	2.0000	102.6	80.0	120.0
	Barium	2.0941	2.0000	104.7	80.0	120.0
	Beryllium	0.0538	0.0500	107.5	80.0	120.0
	Cadmium	0.0524	0.0500	104.9	80.0	120.0
	Chromium	0.2143	0.2000	107.1	80.0	120.0
	Copper	0.2635	0.2500	105.4	80.0	120.0
	Nickel	0.5311	0.5000	106.2	80.0	120.0
	Lead	0.5224	0.5000	104.5	80.0	120.0
	Antimony	1.0818	1.0000	108.2	80.0	120.0
	Selenium	2.0845	2.0000	104.2	80.0	120.0
	Thallium	2.0339	2.0000	101.7	80.0	120.0
	Vanadium	0.5459	0.5000	109.2	80.0	120.0
	Zinc	0.5462	0.5000	109.2	80.0	120.0

CCV #	ANALYTE	TRUE VALUE	BATCH READ	% REC #	QC LIMITS LOWER	QC LIMITS UPPER
ICV-	Silver	0.1000	0.0921	92.1	90.0	110.0
	Arsenic	0.4000	0.3844	96.1	90.0	110.0
	Barium	1.0000	0.9851	98.5	90.0	110.0
	Beryllium	0.1000	0.1026	102.5	90.0	110.0
	Cadmium	1.0000	0.9729	97.3	90.0	110.0
	Chromium	1.0000	0.9945	99.4	90.0	110.0
	Copper	1.0000	0.9613	96.1	90.0	110.0
	Nickel	2.0000	1.9658	98.3	90.0	110.0
	Lead	5.0000	4.8077	96.2	90.0	110.0
	Antimony	1.0000	1.0055	100.6	90.0	110.0
	Selenium	0.4000	0.3840	96.0	90.0	110.0
	Thallium	1.0000	0.9549	95.5	90.0	110.0
	Vanadium	0.4000	0.4148	103.7	90.0	110.0
	Zinc	1.0000	0.9968	99.7	90.0	110.0
CCV1--2	Silver	0.1000	0.0918	91.8	90.0	110.0
	Arsenic	0.4000	0.3748	93.7	90.0	110.0
	Barium	1.0000	0.9810	98.1	90.0	110.0
	Beryllium	0.1000	0.1035	103.5	90.0	110.0
	Cadmium	1.0000	0.9623	96.2	90.0	110.0
	Chromium	1.0000	0.9821	98.2	90.0	110.0
	Copper	1.0000	0.9646	96.5	90.0	110.0

Mountain States Analytical, Inc.
Daily QC Batching Data
Data Released for Reporting

Analysis Batch Number: HREXT-07/01/98-061 -3
Test Identification : HREXT-Metals for hr TCLP, by ICP Sequence : DATR181
Number of Samples : 12
Batch Data-Date/Time : 07/02/98 / 16:35:58

CCV #	ANALYTE	TRUE VALUE	BATCH READ	% REC	#	QC LIMITS LOWER	QC LIMITS UPPER
CCV1--2	Nickel	2.0000	1.9858	99.3		90.0	110.0
	Lead	5.0000	4.8107	96.2		90.0	110.0
	Antimony	1.0000	1.0253	102.5		90.0	110.0
	Selenium	0.4000	0.4040	101.0		90.0	110.0
	Thallium	1.0000	0.9462	94.6		90.0	110.0
	Vanadium	0.4000	0.4173	104.3		90.0	110.0
	Zinc	1.0000	0.9904	99.0		90.0	110.0
CCV2--3	Silver	0.1000	0.0923	92.3		90.0	110.0
	Arsenic	0.4000	0.3696	92.4		90.0	110.0
	Barium	1.0000	0.9822	98.2		90.0	110.0
	Beryllium	0.1000	0.1036	103.6		90.0	110.0
	Cadmium	1.0000	0.9664	96.6		90.0	110.0
	Chromium	1.0000	0.9886	98.9		90.0	110.0
	Copper	1.0000	0.9652	96.5		90.0	110.0
	Nickel	2.0000	1.9822	99.1		90.0	110.0
	Lead	5.0000	4.8118	96.2		90.0	110.0
	Antimony	1.0000	1.0118	101.2		90.0	110.0
	Selenium	0.4000	0.3948	98.7		90.0	110.0
	Thallium	1.0000	0.9441	94.4		90.0	110.0
	Vanadium	0.4000	0.4180	104.5		90.0	110.0
	Zinc	1.0000	0.9987	99.9		90.0	110.0
CCV3--4	Silver	0.1000	0.0919	91.9		90.0	110.0
	Arsenic	0.4000	0.3697	92.4		90.0	110.0
	Barium	1.0000	0.9773	97.7		90.0	110.0
	Beryllium	0.1000	0.1044	104.4		90.0	110.0
	Cadmium	1.0000	0.9569	95.7		90.0	110.0
	Chromium	1.0000	0.9817	98.2		90.0	110.0
	Copper	1.0000	0.9690	96.9		90.0	110.0
	Nickel	2.0000	1.9729	98.6		90.0	110.0
	Lead	5.0000	4.7755	95.5		90.0	110.0
	Antimony	1.0000	1.0151	101.5		90.0	110.0
	Selenium	0.4000	0.3928	98.2		90.0	110.0
	Thallium	1.0000	0.9421	94.2		90.0	110.0
	Vanadium	0.4000	0.4166	104.2		90.0	110.0
	Zinc	1.0000	0.9904	99.0		90.0	110.0
CCV4--5	Silver	0.1000	0.0937	93.7		90.0	110.0
	Arsenic	0.4000	0.3735	93.4		90.0	110.0
	Barium	1.0000	0.9879	98.8		90.0	110.0
	Beryllium	0.1000	0.1031	103.1		90.0	110.0
	Cadmium	1.0000	0.9712	97.1		90.0	110.0
	Chromium	1.0000	0.9957	99.6		90.0	110.0
	Copper	1.0000	0.9692	96.9		90.0	110.0
	Nickel	2.0000	1.9646	98.2		90.0	110.0
	Lead	5.0000	4.7958	95.9		90.0	110.0
	Antimony	1.0000	1.0216	102.2		90.0	110.0
	Selenium	0.4000	0.3924	98.1		90.0	110.0
	Thallium	1.0000	0.9524	95.2		90.0	110.0
	Vanadium	0.4000	0.4164	104.1		90.0	110.0
	Zinc	1.0000	0.9986	99.9		90.0	110.0

Mountain States Analytical, Inc.
Daily QC Batching Data
Data Released for Reporting

Analysis Batch Number: HREXT-07/01/98-061 -3
Test Identification : HREXT-Metals for hr TCLP, by ICP Sequence : DATR181
Number of Samples : 12
Batch Data-Date/Time : 07/02/98 / 16:35:58

CCB#	ANALYTE	CONC FOUND	#	CONC LIMIT
ICB-	Silver	ND		0.0030
	Arsenic	ND		0.0150
	Barium	0.0005		0.0020
	Beryllium	0.0000		0.0003
	Cadmium	0.0001		0.0010
	Chromium	0.0004		0.0050
	Copper	ND		0.0050
	Nickel	0.0004		0.0150
	Lead	ND		0.0150
	Antimony	0.0066		0.0200
	Selenium	0.0105		0.0150
	Thallium	0.0011		0.0080
	Vanadium	0.0003		0.0040
	Zinc	0.0001		0.0150
CCB1-	Silver	0.0002		0.0030
	Arsenic	ND		0.0150
	Barium	0.0002		0.0020
	Beryllium	0.0000		0.0003
	Cadmium	0.0002		0.0010
	Chromium	0.0007		0.0050
	Copper	ND		0.0050
	Nickel	0.0007		0.0150
	Lead	ND		0.0150
	Antimony	ND		0.0200
	Selenium	0.0125		0.0150
	Thallium	ND		0.0080
	Vanadium	ND		0.0040
	Zinc	ND		0.0150
CCB2-	Silver	0.0004		0.0030
	Arsenic	ND		0.0150
	Barium	0.0002		0.0020
	Beryllium	0.0000		0.0003
	Cadmium	0.0003		0.0010
	Chromium	0.0004		0.0050
	Copper	ND		0.0050
	Nickel	0.0000		0.0150
	Lead	0.0019		0.0150
	Antimony	ND		0.0200
	Selenium	0.0157		0.0160
	Thallium	ND		0.0080
	Vanadium	ND		0.0040
	Zinc	ND		0.0150
CCB3-	Silver	ND		0.0030
	Arsenic	ND		0.0150
	Barium	ND		0.0020
	Beryllium	0.0000		0.0003
	Cadmium	0.0001		0.0010
	Chromium	0.0002		0.0050
	Copper	ND		0.0050
	Nickel	0.0002		0.0150

Mountain States Analytical, Inc.
Daily QC Batching Data
Data Released for Reporting

Analysis Batch Number: HREXT-07/01/98-061 -3
Test Identification : HREXT-Metals for hr TCLP, by ICP Sequence : DATR181
Number of Samples : 12
Batch Data-Date/Time : 07/02/98 / 16:35:58

CCB#	ANALYTE	CONC FOUND #	CONC LIMIT
CCB3-	Lead	0.0025	0.0150
	Antimony	0.0018	0.0200
	Selenium	0.0094	0.0150
	Thallium	ND	0.0080
	Vanadium	ND	0.0040
	Zinc	ND	0.0150
CCB4-	Silver	ND	0.0030
	Arsenic	ND	0.0150
	Barium	ND	0.0020
	Beryllium	0.0000	0.0003
	Cadmium	0.0001	0.0010
	Chromium	0.0004	0.0050
	Copper	ND	0.0050
	Nickel	0.0004	0.0150
	Lead	0.0033	0.0150
	Antimony	ND	0.0200
	Selenium	0.0157	0.0160
	Thallium	0.0023	0.0080
	Vanadium	0.0001	0.0040
	Zinc	ND	0.0150

---------- Result Footnotes ----------
(2c) - Spike result outside limits. PDS is within acceptance limits.
(2a) - Recovery is insignificant because sample conc. is >4x spike added.
(5a) - Duplicates not evaluated: Results are <10x detection limit
(B) - Nonhomogeneous sample
(11) - The duplicate results cannot be evaluated because both results are <MDL.

Groups & Samples

22923-82005 22923-82006 22923-82007 22923-82008 22927-82029 22934-82053 22937-82061 22940-82066
22940-82067 22952-82153 22963-82202 22966-82212

On Site Technologies, LTD.
612 E. Murray Drive
Farmington, NM 87401
(505) 325-2432

CHAIN-OF-CUSTODY RECORD

Subcontractor:

Mountain States Analytical, Inc.
1645 West 2200 South

Salt Lake City, UT 84119

TEL: (800) 973-6724
FAX: (801) 972-6278

Acct #:

22-Jun-98

Sample ID	Matrix	Collection Date	Bottle Type	Requested Tests						
				SW1010	SW1311	SW1311/6010A	SW1311/8240A	SW1311/8270A	SW3010A	SW3510
9806089-01A	Soil	6/22/98 1:52:00 PM		1	3	1	1	1	1	1

Comments: Please analyze one (1) soil for TCLP Vols, TCLP Semi-Vols, TCLP Metals, Reactivity (CN/S), Corrosivity and Ignitability.

		Date/Time			Date/Time
Relinquished by:		6/22/98 1600	**Received by:**		06/23/98 1030
Relinquished by:			**Received by:**		

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

CHAIN OF COSTODY RECORD

5158

Date: 6/22/98

Page 1 of 1

Purchase Order No.:
Job No. 11-1990

SEND INVOICE TO
Name: Dion Pete
Company: Hanover Compressor Corp. Dept.
Address: 13
City, State, Zip

REPORT RESULTS TO
Name: Dion Pete Title
Company: Hanover Compressor Corp.
Mailing Address
City, State, Zip
Telephone No. Telefax No.

Sampling Location: Hanover Compressor Corp. 1300 W. Murray Farmington, NM 87401

Sampler: Dion Pete / Larry Trujillo

ANALYSIS REQUESTED

SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	MATRIX	PRES.	Number of Containers	TCLP/RCRA 8	RCI	418.1						LAB ID
#1	6/22	13:52	Soil	None	2	✓	✓							9806069-01A
#2	6/22	13:52	Soil	None	1			✓						-02A

Relinquished by:	Date/Time	Received by:	Date/Time
Dion Pete	6/22/14:18	[signature]	6/22/98 1418

Method of Shipment:

Authorized by: ____________ Date ____________
(Client Signature Must Accompany Request)

Rush | 24-48 Hours | 10 Working Days | Special Instructions:

Distribution: White – On Site Yellow – LAB Pink – Sampler Goldenrod – Client

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1 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 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

98072

1. RCRA Exempt: ☒ Non-Exempt: ☐	4. Generator RED CEDAR
Verbal Approval Received: Yes ☒ No ☐	5. Originating Site ARK LOOP
2. Management Facility Destination TIERRA LANDFARM	6. Transporter
3. Address of Facility Operator 420 CR 3100 Aztec	8. State NM
7. Location of Material (Street Address or ULSTR) S-2 T-32N R9W	

9. Circle One:

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

B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:

CONTAMINATED SOIL DERIVED FROM COAL FINES AND OIL FROM NATURAL GAS STREAM

RECEIVED
JUL 17 1998
OIL CON. DIV.
DIST. 3

Hauled 7/16/98

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

SIGNATURE: _____ TITLE: ENV. SPECIALIST DATE: 7-16-98
Waste Management Facility Authorized Agent

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

(This space for State Use)

APPROVED BY: _____ TITLE: Geologist DATE: 7/17/98

APPROVED BY: _____ TITLE: Geologist DATE: 7/20/98

CERTIFICATE FROM OUT OF STATE AGENCY

AUTHORIZING REMOVAL OF RCRA EXEMPT OILFIELD WASTE

FROM THEIR JURISDICTION TO NEW MEXICO

RECEIVED
JUL 17 1998
OIL CON. DIV.
DIST. 3

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

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

_____ The material is exempt from regulation by characteristic analyses.

_____ The material is exempt from regulation by product identification.

THEREFORE:

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

NAME: Danny R. Breuninger TITLE: ~~Agency~~ Superintendent

SIGNATURE: _____ DATE: 6/17/98

AGENCY: Bureau of Indian Affairs

ADDRESS: PO Box 315, Ignacio, CO 81137

PHONE: (970) 563-4514

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Red Cedar Gathering Company 26266 Hwy. 160 Durango, Co 81301	Tierra Environmental Co Inc, Landfarm
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
Arkansas Loop Natural GaS Treating Facility, LaPlata County Section 2 of32N 9W Attach list of originating sites as appropriate	
4. Source and Description of Waste	
Contaminated soil due to upset and spill of water coal fines and oil from natural gas stream (soil is discolored with NO free oil)	

I, James H. Mayo (Print Name) representative for:

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

XX **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): James H Mayo

Title: Manager Safety & Envirnmental

Date: June 10, 1998

District I - (505) 393-6161
P. O. Box 1980
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 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 98068

1. RCRA Exempt: ☒ Non-Exempt: ☐ D. Foust Verbal Approval Received: 7-7-98 Yes ☒ No ☐	4. Generator Burlington Resources 5. Originating Site Val Verde Plant
2. Management Facility Destination Tierra Environmental Landfarm	6. Transporter Freemeyer
3. Address of Facility Operator 4720 C.R. 3100 Aztec, San Juan County	8. State New Mexico
7. Location of Material (Street Address or ULSTR) Val Verde Plant	

9. Circle One:

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

B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:
Charcoal filter for filtering Amine

RECEIVED
JUL 8 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 24 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: _____ TITLE: Environmental Specialist DATE: 7-7-98
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Tim Nobis TELEPHONE NO. 334-8894

(This space for State Use)

APPROVED BY: Denny G. Foust TITLE: Geologist DATE: 7/8/98

APPROVED BY: Ernie Busch TITLE: Geologist DATE: 7/9/98

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Burlington Resources 3535 East 30 th Street armingto NM 87401	Tierra
3. Originating Site (name):	**Location of the Waste (Street address /or ULSTR):**
Val Verde Plant	Val Verde Plant
4. Source and Description of Waste:	
CHARCOAL FILTER FOR FILTERING AMINE	

I, Bert Gardenhire **representative for:**

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

☑ **EXEMPT oilfield waste**

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

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

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

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

Name (Original Signature): Bert Gardenhire

Title: Maintenance Operator

Date: Tuesday, July 07, 1998

Waste Manifest

Manife nber: 131

Date 7/7/98

Burlington Resources, San Juan Division

3535 East 30 th Street

P.O. Box 4289

Farmington, NM 87499-4289

Safety and Environmental Complete:

Waste Location: Val Verde Plant
Unit: SW Section: 14 Township 29N Range: 11W

Volume: 8 Cubic Yards | 0 Barrels | 0 Gallons ***Costs:*** $14.00

Description: Charcoal Filter

Profile Number: Charcoal Filter

Source: CHARCOAL FILTER FOR FILTERING AMINE

Disposal Location: Tierra

Waste Determination

I hereby certify, represent and warrant that the wastes are generated from oil and gas exploration and production operations exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations.

I hereby certify, that according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination the above described waste is Non-Exempt oilfield waste which is non-hazardous by characteristic analysis or by product identification.

Approval for Disposal:

Signature: Bert Gardenhire Date: 7-7-98 | Signature: Date:

Title: Maint Oper | Title:

BR Representative Complete:

Transportation Company: FREEMEYER

BR Representative on Site:

Dates Transported: 7-7-98

Signature: Bert Gardenhire Date: 7-7-98

Complete and return to Burlington Safety and Environmental Department with Invoice:

Disposal Facility Complete:

Dates Received:

Volume Received:

Waste Location: Cell/Grid No.

Received By:

Comments: ***Disposal facility please return manifest to Burlington Resources, attention Jeff Schoenbacher*** **(505) 326-9537**
3535 East 30 th Street
Farmington, NM 87401

(505) 393-6161
1980
obbs, NM 88241-1980
istrict II - (505) 748-1283
11 S. First
rtesia, NM 88210
istrict III - (505) 334-6178
1 Rio Brazos Road
ec, NM 87410
istrict 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 8/8/95

Submit Original Plus 1 Copy to appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 98067

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Sunco Trucking
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Pipeyard
2. Management Facility Destination Tierra Environmental Land farm	6. Transporter Sunco Trucking
3. Address of Facility Operator 420 C.R.3100 Aztec, San Juan Co. NM	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 3801 Southside R. Rd. Farmington, S.J. County, NM 87401	

9. Circle One:

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

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:
Sludge from tank cleaning Sump. there have been no changes to waste stream since 4-27-98. This is a continuance of job started May '98.

RECEIVED
JUL 8 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 80 BBLS cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: _____ TITLE: Environmental Specialist DATE: 7-6-98
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Tim Nobis TELEPHONE NO. 334-8894

(This space for State Use)

APPROVED BY: Denny G. Foust TITLE: Geologist DATE: 7/8/98

APPROVED BY: _____ TITLE: _____ DATE: 7/10/98

District I - (505) 393-6161
P.O. Box 1980
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 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 98067

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Sunco Trucking
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Pipeyard
2. Management Facility Destination Tierra Environmental Landfarm	6. Transporter Sunco Trucking
3. Address of Facility Operator 420 C.R. 3100 Aztec, San Juan Co, NM	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 3801 Southside R. Rd.	Farmington, S.J. County, NM 87401

9. Circle One:

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

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:
Sludge from tank cleaning sump. there have been no changes to waste stream since 4-27-98. This is a continuance of job started May '98.

RECEIVED
JUL 8 1998
OIL CON. DIV.
DIST. 3

Estimated Volume 80 BBLS cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: _____ TITLE: Environmental Specialist DATE: 7-6-98
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Tim Nobis TELEPHONE NO. 334-8894

(This space for State Use)

APPROVED BY: _____ TITLE: Geologist DATE: 7/8/98

APPROVED BY: _____ TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
SUNCO TRUCKING 5651 U.S. 64	SUNCO DISPOSAL
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
SUNCO TRUCKING PIPEYARD	3801 SOUTHSIDE RIVER ROAD FARMINGTON
Attach list of originating sites as appropriate	
4. Source and Description of Waste	
SLUDGE FROM TANK CLEANING SUMP, THERE HAVE BEEN NO CHANGES TO WASTE STREAM SINCE 4-27-98. THIS IS A CONTINUENCE OF ORIGINAL JOB STARTED MAY 98	

I, HAL STONE (Print Name) representative for:

KEY FOUR CORNERS, INC. DBA SUNCO TRUCKING CO. do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

___ **EXEMPT** oilfield waste

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

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

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

___ MSDS Information

X RCRA Hazardous Waste Analysis

___ Chain of Custody

___ Other (description):

Name (Original Signature): Hal Stone

Title: GENERAL MANAGER - TRUCKING DIVISION

Date: 7-6-98

Inter-Mountain Laboratories, I

2506 W. Main Street
Farmington, New Mexico 87401

Michael Talovich
Sunco Trucking
708 S. Tucker
Farmington, NM 87401

April 3, 1998

Mr. Talovich:

Enclosed, please find the reports for the samples received by our laboratory for analysis on March 20, 1998.

If you have any questions about the results of these analyses, please don't hesitate to call me at your convenience.

We appreciate your business!

Sincerely,

Sharon Williams
Organics Lab Supervisor

Enclosures
xc: File

Inter-Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

CASE NARRATIVE

Date: April 3, 1998

Client: Sunco Trucking

Project: Pipe Yard Sample No. 0398G01388-1389 # Samples: 2

Dear Client:

The sample or samples were received for analysis at Inter-Mountain Laboratories (IML), Farmington, New Mexico. Enclosed are the results of these analyses.

Due to the nature of the sample matrix for the sludge sample, we were unable to obtain the recommended acceptable Cation/Anion Balance of 5%.

Analytical results were obtained by approved methods. Practical quantitation limits (PQL) were determined for each parameter for various matrices, and standard preparation dilutions. Quantitative results are reported on an "as received" basis for non-aqueous matrices.

If you have any question, please call me at our toll free number 1 (800) 828-1409.

John Green
Water Lab Supervisor
IML-Farmington, NM

Inter-Mountain Laboratories, I

2506 W. Main Street
Farmington, New Mexico 87401

SUNCO TRUCKING

Case Narrative

On March 20, 1998, samples were submitted to Inter-Mountain Laboratories - Farmington for analysis. The samples were identified by project "Pipe Yard", and were analyzed for the parameters indicated on the accompanying Chain of Custody document #51988.

It is the policy of this laboratory to employ, whenever possible, preparatory and analytical methods which have been approved by regulatory agencies. The methods used in the analyses of the samples reported herein are found in Test Methods For Evaluation of Solid Waste, SW-846, USEPA, 1986, and Methods For Chemical Analysis of Water and Wastes, EPA-600/4-79-020, USEPA, 1983.

Quality control reports appear at the end of the analytical package and may be identified by title. If there are any questions regarding the information presented in this package, please feel free to call at your convenience.

Sincerely,

Sharon Williams
Organics Lab Supervisor

Inter-Mountain Laboratories, I

2506 W. Main Street
Farmington, New Mexico 87401

Client: Sunco Trucking
Project: Pipe Yard
Sample ID: Pipe Yard
Lab ID: 0398G01388
Matrix: Water
Condition: Intact

Date Received: 03/20/98
Date Reported: 04/03/98
Date Sampled: 03/20/98
Time Sampled: 1500

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
PH	7.2	s.u.			0.1	EPA 150.1	03/20/98	1600	BJ
Electrical Conductivity	720	µmhos/cm			10	EPA 120.1	03/20/98	1600	AP
Solids - Total Dissolved	430	mg/L			10	EPA 160.1	03/26/98	1340	BJ
Solids - Total Dissolved (Calc)	410	mg/L			10	Calculation	04/03/98	1425	JG
Solids-Total	540	mg/L			10	EPA 160.3	03/27/98	0910	BJ
Alkalinity (CaCO3)	101	mg/L			1	EPA 310.1	03/24/98	0930	AP
Hardness (CaCO3)	213	mg/L			1	Calculation	04/03/98	1425	JG
Major Anions									
Bicarbonate (HCO3)	123	mg/L	2.02	meq/L	1	EPA 310.1	03/24/98	0930	AP
Carbonate (CO3)	<1	mg/L	<0.01	meq/L	1	EPA 310.1	03/24/98	0930	AP
Hydroxide (OH)	<1	mg/L	<0.01	meq/L	1	EPA 310.1	03/24/98	0930	AP
Chloride	83	mg/L	2.33	meq/L	1	EPA 300.0	03/26/98	0800	AP
Nitrogen - Nitrate/Nitrite	0.14	mg/L			0.05	EPA 353.2	03/24/98	1430	SH
Sulfate	116	mg/L	2.42	meq/L	5	EPA 300.0	03/26/98	0800	AP
Major Cations									
Calcium	68.5	mg/L	3.42	meq/L	0.2	EPA 200.7	03/26/98	0630	ST
Magnesium	10.1	mg/L	0.83	meq/L	0.2	EPA 200.7	03/26/98	0630	ST
Potassium	21.9	mg/L	0.56	meq/L	0.2	EPA 200.7	03/26/98	0630	ST
Sodium	53.5	mg/L	2.33	meq/L	0.2	EPA 200.7	03/26/98	0630	ST
Cation / Anion Balance QC Information									
Anion Sum			6.77	meq/L	0.01	Calculation			
Cation Sum			7.14	meq/L	0.01	Calculation			
Cation/Anion Balance			2.66	%	N/A	Calculation			

Reference: EPA - "Methods for Chemical Analysis of Water and Wastes", United States Environmental Protection Agency, EPA 600/4-79-020, Revised March, 1983.
EPA - "Methods for the Determination of Inorganic Substances in Environmental Samples", United States Environmental Protection Agency, EPA 600/R-93/100 August, 1983.

Reviewed By: _____

John Green, Water Lab Supervisor

Inter-Mountain Laboratories, In
1701 Phillips Circle
Gillette, Wyoming 82718

EPA METHOD 8010
PURGEABLE HALOCARBON COMPOUNDS

Client: **SUNCO TRUCKING**
Sample ID: Pipe Yard
Project ID: Pipe Yard
Lab ID: B981209
Matrix: Water

Date Reported: 04/02/98
Date Sampled: 03/20/98
Date Received: 03/24/98
Date Extracted: NA
Date Analyzed: 03/31/98

Parameter	Result	PQL	Units
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
1,1-Dichloroethene	ND	5.0	ug/L
1,2-Dichlorobenzene	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
1,3-Dichlorobenzene	ND	5.0	ug/L
1,4-Dichlorobenzene	ND	5.0	ug/L
1-Chlorohexane	ND	5.0	ug/L
2-Chloroethylvinyl ether	ND	5.0	ug/L
Benzyl chloride	ND	5.0	ug/L
bis(2-Chloroethoxy)methane	ND	5.0	ug/L
bis(2-Chloroisopropyl)ether	ND	5.0	ug/L
Bromobenzene	ND	5.0	ug/L
Bromodichloromethane	5.3	5.0	ug/L
Bromoform	8.4	5.0	ug/L
Bromomethane	ND	5.0	ug/L
Carbon Tetrachloride	ND	5.0	ug/L
Chloroacetaldehyde	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Chloroethane	ND	5.0	ug/L
Chloroform	ND	5.0	ug/L
Chloromethane	ND	5.0	ug/L
Chloromethylmethyl ether	ND	5.0	ug/L
Chlorotoluene	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
Dibromochloromethane	ND	5.0	ug/L
Dibromomethane	ND	5.0	ug/L
Dichlorodifluoromethane	ND	5.0	ug/L
Methylene chloride	ND	5.0	ug/L
Tetrachloroethene (PCE)	ND	5.0	ug/L

Reference: Method 8010, Halogenated Volatile Organics, Test Methods For Evaluating Solid Waste, SW-46, United States Environmental Protection Agency, September 1986.

Analyst _____ **Reviewed** _____

Inter·Mountain Laboratories, In
1701 Phillips Circle
Gillette, Wyoming 82718

EPA METHOD 8010
PURGEABLE HALOCARBON COMPOUNDS

Client: **SUNCO TRUCKING**
Sample ID: Pipe Yard
Project ID: Pipe Yard
Lab ID: B981209
Matrix: Water

Date Reported: 04/02/98
Date Sampled: 03/20/98
Date Received: 03/24/98
Date Extracted: NA
Date Analyzed: 03/31/98

trans-1,2-Dichloroethene	ND	5.0	ug/L
trans-1,3-Dichloropropene	ND	5.0	ug/L
Trichloroethene (TCE)	ND	5.0	ug/L
Trichlorofluoromethane	ND	5.0	ug/L
Trichloropropane	ND	5.0	ug/L
Vinyl Chloride	ND	5.0	ug/L

ND - Not Detected at Practical Quantitation Level (PQL)

Reference: Method 8010, Halogenated Volatile Organics, Test Methods For Evaluating Solid Waste, SW-46, United States Environmental Protection Agency, September 1986.

Analyst _____ **Reviewed** _____

Inter-Mountain Laboratories, Ir

2506 W. Main Street
Farmington, New Mexico 87401

TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL CONCENTRATION

Client:	**Sunco Trucking**		
Project:	Pipeyard	Date Reported:	03/30/98
Sample ID:	Pipeyard	Date Sampled:	03/20/98
Laboratory ID:	0398G01388	Date Received:	03/20/98
Sample Matrix:	Water	Date Analyzed:	03/28/98

Parameter	Result	Detection Limit	Regulatory Level	Units
Arsenic	<0.005	0.005	5	mg/L
Barium	0.24	0.01	100	mg/L
Cadmium	<0.004	0.004	1	mg/L
Chromium	<0.01	0.01	5	mg/L
Lead	<0.05	0.05	5	mg/L
Mercury	<0.001	0.001	0.2	mg/L
Selenium	<0.005	0.005	1	mg/L
Silver	<0.01	0.01	5	mg/L

ND- Analyte not detected at stated detection level.

References: Method 1311: Toxicity Characteristic Leaching Procedure, SW-846, Rev. 0, July 1992.

Method 3010A: Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, Rev. 1, July 1992.

Comments:

Reported By: _____ Reviewed: _____

Inter-Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

VOLATILE AROMATIC HYDROCARBONS

Client:	Sunco Trucking		
Project ID:	Pipe Yard	Report Date:	03/31/98
Sample ID:	Pipe Yard	Date Sampled:	03/20/98
Lab ID:	0398G01388	Date Received:	03/20/98
Sample Matrix:	Water	Date Extracted:	NA
Condition:	Cool/Intact	Date Analyzed:	03/30/98

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	55	1.0
Toluene	422	1.0
Chlorobenzene	ND	1.0
Ethylbenzene	163	1.0
m,p-Xylenes	665	1.0
o-Xylene	199	1.0
1,3-Dichlorobenzene	4.87	1.0
1,4-Dichlorobenzene	22	1.0
1,2-Dichlorobenzene	15.8	1.0

ND - Analyte not detected at the stated detection limit.

Quality Control:

Surrogate	Percent Recovery	Acceptance Limits
Bromofluorobenzene	106.0%	70 -130%

Reference: Method 5030, Purge and Trap; Method 602, Purgeable Aromatics; Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater, USEPA, October 1984.

Comments:

Analyst

Review

Inter-Mountain Laboratories,

2506 W. Main Street
Farmington, New Mexico 87401

Client: Sunco Trucking
Project: Pipe Yard
Sample ID: Pipe Yard
Lab ID: 0398G01389
Matrix: Sludge
Condition: Intact

Date Received: 03/20/98
Date Reported: 04/03/98
Date Sampled: 03/20/98
Time Sampled: 1500

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
PH	7.6	s.u.			0.1	EPA 150.1	03/20/98	1600	BJ
Electrical Conductivity	3,030	µmhos/cm			10	EPA 120.1	03/20/98	1600	AP
Solids - Total Dissolved	2,240	mg/L			10	EPA 160.1	03/26/98	1340	BJ
Solids - Total Dissolved (Calc)	1,540	mg/L			10	Calculation	04/03/98	1425	JG
Solids-Total	4,480	mg/L			10	EPA 160.3	03/27/98	0910	BJ
Alkalinity (CaCO3)	449	mg/L			1	EPA 310.1	03/24/98	0930	AP
Hardness (CaCO3)	399	mg/L			1	Calculation	04/03/98	1425	JG
Major Anions									
Bicarbonate (HCO3)	547	mg/L	8.97	meq/L	1	EPA 310.1	03/24/98	0930	AP
Carbonate (CO3)	<1	mg/L	<0.01	meq/L	1	EPA 310.1	03/24/98	0930	AP
Hydroxide (OH)	<1	mg/L	<0.01	meq/L	1	EPA 310.1	03/24/98	0930	AP
Chloride	140	mg/L	3.95	meq/L	1	EPA 300.0	03/26/98	0800	AP
Nitrogen - Nitrate/Nitrite	0.14	mg/L			0.05	EPA 353.2	03/24/98	1430	SH
Sulfate	414	mg/L	8.63	meq/L	5	EPA 300.0	03/26/98	0800	AP
Major Cations									
Calcium	134	mg/L	6.69	meq/L	0.2	EPA 200.7	03/26/98	0630	ST
Magnesium	15.6	mg/L	1.28	meq/L	0.2	EPA 200.7	03/26/98	0630	ST
Potassium	260	mg/L	6.65	meq/L	0.2	EPA 200.7	03/26/98	0630	ST
Sodium	309	mg/L	13.4	meq/L	0.2	EPA 200.7	03/26/98	0630	ST
Cation / Anion Balance QC Information									
Anion Sum			21.5	meq/L	0.01	Calculation			
Cation Sum			28.1	meq/L	0.01	Calculation			
Cation/Anion Balance			13.2	%	N/A	Calculation			

Reference: EPA - "Methods for Chemical Analysis of Water and Wastes", United States Environmental Protection Agency, EPA 600/4-79-020, Revised March, 1983.
EPA - "Methods for the Determination of Inorganic Substances in Environmental Samples", United States Environmental Protection Agency, EPA 600/R-93/100 August, 1983.

Reviewed By: _____
John Green, Water Lab Supervisor

Inter-Mountain Laboratories, Inc.
1701 Phillips Circle
Gillette, Wyoming 82718

EPA METHOD 8010
PURGEABLE HALOCARBON COMPOUNDS

Client: **SUNCO TRUCKING**
Sample ID: Pipe Yard
Project ID: Pipe Yard
Lab ID: B981210
Matrix: Sludge

Date Reported: 04/02/98
Date Sampled: 03/20/98
Date Received: 03/24/98
Date Extracted: 04/01/98
Date Analyzed: 04/01/98

Parameter	Result	PQL	Units
1,1,1,2-Tetrachloroethane	ND	1.5	mg/kg
1,1,1-Trichloroethane	ND	1.5	mg/kg
1,1,2,2-Tetrachloroethane	ND	1.5	mg/kg
1,1,2-Trichloroethane	ND	1.5	mg/kg
1,1-Dichloroethane	ND	1.5	mg/kg
1,1-Dichloroethene	ND	1.5	mg/kg
1,2-Dichlorobenzene	ND	1.5	mg/kg
1,2-Dichloroethane	ND	1.5	mg/kg
1,2-Dichloropropane	ND	1.5	mg/kg
1,3-Dichlorobenzene	ND	1.5	mg/kg
1,4-Dichlorobenzene	ND	1.5	mg/kg
1-Chlorohexane	ND	1.5	mg/kg
2-Chloroethylvinyl ether	ND	1.5	mg/kg
Benzyl chloride	ND	1.5	mg/kg
bis(2-Chloroethoxy)methane	ND	1.5	mg/kg
bis(2-Chloroisopropyl)ether	ND	1.5	mg/kg
Bromobenzene	ND	1.5	mg/kg
Bromodichloromethane	ND	1.5	mg/kg
Bromoform	ND	1.5	mg/kg
Bromomethane	ND	1.5	mg/kg
Carbon Tetrachloride	ND	1.5	mg/kg
Chloroacetaldehyde	ND	1.5	mg/kg
Chlorobenzene	ND	1.5	mg/kg
Chloroethane	ND	1.5	mg/kg
Chloroform	ND	1.5	mg/kg
Chloromethane	ND	1.5	mg/kg
Chloromethylmethyl ether	ND	1.5	mg/kg
Chlorotoluene	ND	1.5	mg/kg
cis-1,3-Dichloropropene	ND	1.5	mg/kg
Dibromochloromethane	ND	1.5	mg/kg
Dibromomethane	ND	1.5	mg/kg
Dichlorodifluoromethane	ND	1.5	mg/kg
Methylene chloride	ND	1.5	mg/kg
Tetrachloroethene (PCE)	ND	1.5	mg/kg

Reference: Method 8010, Halogenated Volatile Organics, Test Methods For Evaluating Solid Waste, SW-46, United States Environmental Protection Agency, September 1986.

Analyst _____ **Reviewed** _____

Inter-Mountain Laboratories, Inc.
1701 Phillips Circle
Gillette, Wyoming 82718

EPA METHOD 8010
PURGEABLE HALOCARBON COMPOUNDS

Client: **SUNCO TRUCKING**
Sample ID: Pipe Yard
Project ID: Pipe Yard
Lab ID: B981210
Matrix: Sludge

Date Reported: 04/02/98
Date Sampled: 03/20/98
Date Received: 03/24/98
Date Extracted: 04/01/98
Date Analyzed: 04/01/98

trans-1,2-Dichloroethene	ND	1.5	mg/kg
trans-1,3-Dichloropropene	ND	1.5	mg/kg
Trichloroethene (TCE)	ND	1.5	mg/kg
Trichlorofluoromethane	ND	1.5	mg/kg
Trichloropropane	ND	1.5	mg/kg
Vinyl Chloride	ND	1.5	mg/kg

ND - Not Detected at Practical Quantitation Level (PQL)

Reference: Method 8010, Halogenated Volatile Organics, Test Methods For Evaluating Solid Waste, SW-46, United States Environmental Protection Agency, September 1986.

Analyst _____ **Reviewed** _____

Inter-Mountain Laboratories,

2506 W. Main Street
Farmington, New Mexico 87401

TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL CONCENTRATION

Client:	**Sunco Trucking**		
Project:	Pipeyard	Date Reported:	03/30/98
Sample ID:	Pipeyard	Date Sampled:	03/20/98
Laboratory ID:	0398G01389	Date Received:	03/20/98
Sample Matrix:	Sludge	Date Analyzed:	03/28/98

Parameter	Result	Detection Limit	Regulatory Level	Units
Arsenic	0.005	0.005	5	mg/L
Barium	6.94	0.01	100	mg/L
Cadmium	<0.004	0.004	1	mg/L
Chromium	0.01	0.01	5	mg/L
Lead	<0.05	0.05	5	mg/L
Mercury	<0.001	0.001	0.2	mg/L
Selenium	<0.005	0.005	1	mg/L
Silver	<0.01	0.01	5	mg/L

ND- Analyte not detected at stated detection level.

References: Method 1311: Toxicity Characteristic Leaching Procedure, SW-846, Rev. 0, July 1992.

Method 3010A: Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, Rev. 1, July 1992.

Comments:

Reported By: _____ Reviewed: _____

Inter·Mountain Laboratories,

2506 W. Main Street
Farmington, New Mexico 87401

Quality Control / Quality Assurance

Known Analysis

TOXICITY CHARACTERISTIC LEACHING PROCEDURE

Client:	Sunco Trucking	Date Reported:	03/30/98
Project:	Pipeyard	Date Analyzed:	03/28/98
Sample Matrix:	Extract	Date Received:	03/20/98

Known Analysis

Parameter	Found Result	Known Result	Percent Recovery	Units
Arsenic	0.011	0.010	**110%**	mg/L
Barium	0.95	1.00	**95%**	mg/L
Cadmium	1.040	1.000	**104%**	mg/L
Chromium	1.05	1.00	**105%**	mg/L
Lead	0.95	1.00	**95%**	mg/L
Mercury	0.004	0.004	**100%**	mg/L
Selenium	0.010	0.010	**100%**	mg/L
Silver	2.05	2.00	**103%**	mg/L

References: Method 1311: Toxicity Characteristic Leaching Procedure, SW-846, Rev. 0, July 1992.

Method 3010A: Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, Rev. 1, July 1992.

Comments:

Reported by _____

Reviewed by _____

Inter-Mountain Laboratories, I

2506 W. Main Street
Farmington, New Mexico 87401

Quality Control / Quality Assurance

Known Analysis
Purgeable Aromatics

Client: **Sunco Trucking**
Project: Pipe Yard

Date Reported: 03/31/98
Date Analyzed: 03/30/98

Known Analysis

Parameter	Found Result (ppb)	Known Result (ppb)	Percent Recovery	Acceptance Limits
Benzene	19.3	20.0	**97%**	70-130%
Toluene	19.6	20.0	**98%**	70-130%
Chlorobenzene	19.6	20.0	**98%**	70-130%
Ethylbenzene	19.7	20.0	**99%**	70-130%
m+p-Xylene	40.7	40.0	**102%**	70-130%
o-Xylene	20.1	20.0	**100%**	70-130%
1,3-Dichlorobenzene	20.2	20.0	**101%**	70-130%
1,4-Dichlorobenzene	20.7	20.0	**104%**	70-130%
1,2-Dichlorobenzene	20.3	20.0	**102%**	70-130%

Quality Control:

Surrogate	Percent Recovery	Acceptance Limits
Bromofluorobenzene	101.3%	70-130%

Reference: Method 5030, Purge and Trap; Method 602, Purgeable Aromatics; Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater, USEPA, October 1984.

Comments:

Analyst _____

Reviewed by _____

Inter-Mountain Laboratories, I

2506 W. Main Street
Farmington, New Mexico 87401

Quality Control / Quality Assurance

Spike Analysis / Blank Analysis

TOXICITY CHARACTERISTIC LEACHING PROCEDURE

Client:	Sunco Trucking	Date Reported:	03/30/98
Project:	Pipeyard	Date Analyzed:	03/28/98
Sample Matrix:	Extract	Date Received:	03/20/98

Spike Analysis

Parameter	Spike Result (mg/L)	Sample Result (mg/L)	Spike Added (mg/L)	Percent Recovery
Arsenic	0.029	0.00	0.025	104%
Barium	2.63	1.55	1.00	108%
Cadmium	1.020	<0.004	1.000	102%
Chromium	1.08	<0.01	1.00	108%
Lead	0.92	<0.05	1.00	92%
Mercury	0.005	<0.001	0.005	104%
Selenium	0.023	<0.005	0.025	92%
Silver	N/A	N/A	N/A	N/A

Method Blank Analysis

Parameter	Result	Detection Limit	Units
Arsenic	ND	0.005	mg/L
Barium	ND	0.01	mg/L
Cadmium	ND	0.004	mg/L
Chromium	ND	0.01	mg/L
Lead	ND	0.05	mg/L
Mercury	ND	0.001	mg/L
Selenium	ND	0.005	mg/L
Silver	ND	0.01	mg/L

References: Method 1311: Toxicity Characteristic Leaching Procedure, SW-846, Rev. 0, July 1992.

Method 3010A: Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, Rev. 1, July 1992.

Comments: N/A=Data not available.

Reported by _____

Reviewed by _____

Inter-Mountain Laboratories, Inc

2506 W. Main Street
Farmington, New Mexico 87401

VOLATILE AROMATIC HYDROCARBONS
QUALITY CONTROL REPORT

Duplicate Analysis

Lab ID: 0398G01384
Sample Matrix: Water
Condition: Cool/Intact

Report Date: 03/31/98
Date Analyzed: 03/30/98

Target Analyte	Duplicate Concentration (ppb)	Original Concentration (ppb)	% Difference
Benzene	12.9	12.1	6.4
Toluene	16.1	15	7.1
Chlorobenzene	ND	ND	NA
Ethylbenzene	ND	ND	NA
m,p-Xylenes	2.44	2.7	10.1
o-Xylene	2.01	1.9	5.6
1,3-Dichlorobenzene	ND	ND	NA
1,4-Dichlorobenzene	ND	ND	NA
1,2-Dichlorobenzene	ND	ND	NA

ND - Analyte not detected at the stated detection limit.
NA - Not applicable or not calculated.

Quality Control:

Surrogate	Percent Recovery	Acceptance Limits
Bromofluorobenzene	90.8%	70 -130%

Reference: Method 5030, Purge and Trap; Method 602, Purgeable Aromatics; Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater, USEPA, October 1984.

Comments:

Analyst

Review

Inter-Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

VOLATILE AROMATIC HYDROCARBONS
QUALITY CONTROL REPORT

Method Blank Analysis

Sample Matrix: Water
Lab ID: Method Blank
Report Date: 03/31/98
Date Analyzed: 03/30/98

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	ND	0.2
Toluene	ND	0.2
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.2
m,p-Xylenes	ND	0.2
o-Xylene	ND	0.2
1,3-Dichlorobenzene	ND	0.2
1,4-Dichlorobenzene	ND	0.2
1,2-Dichlorobenzene	ND	0.2

ND - Analyte not detected at the stated detection limit.

Quality Control:

Surrogate	Percent Recovery	Acceptance Limits
Bromofluorobenzene	95.0%	70-130%

Reference: Method 5030, Purge and Trap; Method 602, Purgeable Aromatics; Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater, USEPA, October 1984.

Comments:

Analyst

Review

Inter-Mountain Laboratories,

2506 W. Main Street
Farmington, New Mexico 87401

VOLATILE AROMATIC HYDROCARBONS
QUALITY CONTROL REPORT

Matrix Spike Analysis

Lab ID: 0398G01384
Sample Matrix: Water
Condition: Cool/Intact

Report Date: 03/31/98
Date Analyzed: 03/30/98

Target Analyte	Spiked Sample Result in ppb	Sample result in ppb	Spike Added (ppb)	% Recovery	Acceptance Limits (%)
Benzene	29.70	12.10	20.0	88.0%	70-130
Toluene	31.50	15.00	20.0	82.5%	70-130
Chlorobenzene	20.60	ND	20.0	103.0%	70-130
Ethylbenzene	21.20	ND	20.0	106.0%	70-130
m,p-Xylenes	42.90	2.70	40.0	100.5%	70-130
o-Xylene	20.20	1.90	20.0	91.5%	70-130
1,3-Dichlorobenzene	16.10	ND	20.0	80.5%	70-130
1,4-Dichlorobenzene	16.00	ND	20.0	80.0%	70-130
1,2-Dichlorobenzene	16.00	ND	20.0	80.0%	70-130

ND - Analyte not detected at the stated detection limit.
NA - Not applicable or not calculated.

Quality Control:

Surrogate	Percent Recovery	Acceptance Limits
Bromofluorobenzene	102.3%	70 -130%

Reference: Method 5030, Purge and Trap; Method 602, Purgeable Aromatics; Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater, USEPA, October 1984.

Comments:

Analyst

Review

Inter·Mountain Laboratories, Inc.

1701 Phillips Circle
Gillette, Wyoming 82718

LAB QA/QC
EPA METHOD 8010
METHOD BLANK

Date Analyzed: **03/31/98**
Lab ID: MBW000090
Matrix:

Parameter	Result	PQL	Units
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
1,1-Dichloroethene	ND	5.0	ug/L
1,2-Dichlorobenzene	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
1,3-Dichlorobenzene	ND	5.0	ug/L
1,4-Dichlorobenzene	ND	5.0	ug/L
1-Chlorohexane	ND	5.0	ug/L
2-Chloroethylvinyl ether	ND	5.0	ug/L
Benzyl chloride	ND	5.0	ug/L
bis(2-Chloroethoxy)methane	ND	5.0	ug/L
bis(2-Chloroisopropyl)ether	ND	5.0	ug/L
Bromobenzene	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
Bromomethane	ND	5.0	ug/L
Carbon Tetrachloride	ND	5.0	ug/L
Chloroacetaldehyde	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Chloroethane	ND	5.0	ug/L
Chloroform	ND	5.0	ug/L
Chloromethane	ND	5.0	ug/L
Chloromethylmethyl ether	ND	5.0	ug/L
Chlorotoluene	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
Dibromochloromethane	ND	5.0	ug/L
Dibromomethane	ND	5.0	ug/L
Dichlorodifluoromethane	ND	5.0	ug/L
Methylene chloride	ND	5.0	ug/L
Tetrachloroethene (PCE)	ND	5.0	ug/L
trans-1,2-Dichloroethene	ND	5.0	ug/L
trans-1,3-Dichloropropene	ND	5.0	ug/L
Trichloroethene (TCE)	ND	5.0	ug/L

Analyst _____

Reviewed _____

Inter-Mountain Laboratories, Inc.
1701 Phillips Circle
Gillette, Wyoming 82718

LAB QA/QC
EPA METHOD 8010
METHOD BLANK

Date Analyzed: **03/31/98**
Lab ID: MBW000090
Matrix:

Parameter	Result	PQL	Units
Trichlorofluoromethane	ND	5.0	ug/L
Trichloropropane	ND	5.0	ug/L
Vinyl Chloride	ND	5.0	ug/L

ND - Not Detected at Practical Quantitation Level (PQL)

Analyst _____

Reviewed _____

imi
Inter- Mountain
Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location	ANALYSES / PARAMETERS
SUNCO TRUCKING	Pipeyard	
Sampler: (Signature) Mike Jalovich	**Chain of Custody Tape No.**	**Remarks**

Sample No./ Identification	Date	Time	Lab Number	Matrix	No. of Containers					
~~Water~~ Pipe Yard	3-20-98	1500		H_2O	8					
~~Sludge~~ Pipeyard	3-20-98	1500		Sludge	4					
					CR					
										Intact, hand delivered

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	T
Mike Jalovich	3-20-98	15:45			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**T**
Relinquished by: (Signature)	**Date**	**Time**	**Received by laboratory: (Signature)**	**Date**	**T**
			Chris Raynes	3-20-98	1545

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