NM1-11

C-138

Date: 1994

LF#2 M-5 Rec

92117-08

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ Denny Foust 3/16/94 10:03 AM	4. Generator EL PASO Nat GAS
2. Destination LANDFARM #2 - ENVIROTECH SOIL REMEDIATION FACILITY	5. Name of Originating Site TRUNK "A" LOOP PIPELINE DRIP PIT
3. Address of Facility Operator 5796 US HWY 64-3014, FARMINGTON, N.M. 87401	6. Name of Transporter EPNG
7. Location of Material (Street Address or ULSTR) B Sec 13 T29N R11W	8. State NM

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated Soil from ~~Rec~~ excavation of Drip pit on Trunk A Loop Pipeline.

RECEIVED
MAR 30 1994
OIL CON. DIV.
DIST. 3

Rec 75 cy Bol 4508
LF#2 M-5
3/17/94

Estimated Volume 50-70 cy Known Volume (to be entered by the operator at the end of the haul): 75 cy

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

SIGNATURE Robert M Young TITLE LANDFARM SUPERVISOR DATE 3/16/94

TYPE OR PRINT NAME ROBERT M YOUNG TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 3/30/94

APPROVED BY Ernest Busch TITLE Geo DATE 3/30/94

CONDITIONS OF APPROVAL, IF ANY:

92117-08

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIAT

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: TRUNK "A" LOOP PIPELINE DRIP PIT (B) S13, T29N, R11W

Source: DRIP PIT EXCAVATION - CONTAMINATED SOILS

Disposal Location: Envirotech Soil Remediation Facility, (ESRF) Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for the EL Paso Natural Gas concur with the status of the waste from the subject site.

Name RICKY COSBY

Title/Agency ENGINEERING COMPLIANCE SPECIALIST

Address P.O. BOX 4990 FARMINGTON, NEW MEXICO 87499

Signature Ricky Cosby

Date 3-16-94

92117-08

CERTIFICATE OF WASTE TRANSPORT

Originating Location: TRUNK "A" LOOP PIPELINE DRIP PIT (B) S13 T29N R11W

Source of Contamination: TRUNK "A" LOOP PIPELINE DRIP PIT - CONTAM SOILS

Generator: EL PASO NATURAL GAS

Disposal Location: Envirotech Soil Remediation Site, Hilltop, New Mexico
Landfarm #1___ Landfarm #2 X NMED Landfarm___

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Richard R Chavez

Company: El Paso Nat Gas Co

Signature: Richard R Chavez

Date: 3-17-94

TO BE FILLED OUT FOR EVERY TRUCK THAT WILL BE HAULING - DROP OFF WITH FIRST LOAD EVERY DRIVER DELIVERS.
3/16/94 RMS

92117-08

CERTIFICATE OF WASTE TRANSPORT

Originating Location: TRUNK "A" LOOP PIPELINE DRIP PIT (B) S13 T29N R11W

Source of Contamination: TRUNK "A" LOOP PIPELINE DRIP PIT - CONTAM SOILS

Generator: EL PASO NATURAL GAS

Disposal Location: Envirotech Soil Remediation Site, Hilltop, New Mexico
Landfarm #1___ Landfarm #2 X NMED Landfarm___

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Cirilio Trujillo

Company: EL Paso Nat Gas

Signature: Cirilio Trujillo

Date: 03-17-94

TO BE FILLED OUT FOR EVERY TRUCK THAT WILL BE HAULING - DROP OFF WITH FIRST LOAD EVERY DRIVER DOES.
3/16/94 RMJ

92197

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ Denny Foust 3/11/94 0800	4. Generator Meridian
2. Destination Landfarm #2 - ENVIROTECH SOIL REMEDIATION FACILITY	5. Name of Originating Site Val Verde Plant
3. Address of Facility Operator 5796 US HWY 64-3014 Farmington, NM 8740	6. Name of Transporter ENVIROTECH
7. Location of Material (Street Address or ULSTR) Meridian Val Verde Plant A-14-29N-11W NMPM	8. State New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

Continuation of Charcoal Filter Media

RECEIVED
MAR 30 1994
OIL CON. DIV.
DIST. 3

Rec 3/11/94
150 cy divided as:
80 into LF#2 B-25
70 cy into LF#2 C-19
BOL 4464

Estimated Volume 40 cy Known Volume (to be entered by the operator at the end of the haul): 150 cy

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

SIGNATURE Robert M Young TITLE LANDFARM SUPERVISOR DATE 3/11/94

TYPE OR PRINT NAME ROBERT M. YOUNG TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 3/30/94

APPROVED BY Jamie Bunch TITLE Geo DATE 3/30/94

CONDITIONS OF APPROVAL, IF ANY:

Envirotech Exempt Waste Manifest
Meridian Oil Inc.

92197

PO Box 4289, Farmington, NM 87499

Safety and Environmental

1. Waste Location: Lease/Well No. Val Verde Gas Plant

2. Volume: 150 HRD 40 Cubic Yards _____ Barrels _____ Gallons

3. Description of Waste: Charcoal filter media w/ some C.S. Plus Solvent Contaminated Soil.

4. Method of Waste Generation: MOEA Filtration for Ga Steam processing. Soil is from the Placement of the Charcoal upon removal from the system.

5. Disposal Cost: $18 / yd³

6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal C. J. Bell (signature) Date

MOI Representative

Transportation Company: Moss Excavation

Date(s) Transported: 3-11-94

MOI Representative on Site _____ (signature) Date _____

Envirotech Complete and return to Meridian Safety and Environmental with invoice.

Date(s) Received: 3/11/94

Total Volume Received: 150

Waste Location : Cell/Grid No. B - 25 - 80cy C - 19 - 70cy

Received By : RJ Biggs - by Harvey Thomas (signature)

92132
~~93002~~

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒	4. Generator Halliburton Energy Services
2. Destination LANDFARM #2 - ENVIROTECH SOIL REMEDIATION FACILITY	5. Name of Originating Site Halliburton Energy Services
3. Address of Facility Operator 5796 US Hwy 64-3014, FARMINGTON, NM 87401	6. Name of Transporter Halliburton / ENVIROTECH
7. Location of Material (Street Address or ULSTR) 4109 E Main Farmington, NM 87401	8. State NM

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

SOIL CONTAMINATED WITH Fluorescein Dye. Original spill was at shore of Farmington Resorvoir, which was cleaned up and placed into drums As DRY SOIL.

RECEIVED
MAR 25 1994
OIL CON. DIV.
DIST. 3

RECEIVED
MAR 17 1994
OIL CON. DIV.
DIST. 3

RECEIVED
93 MAR 21 AM 8 39
OIL CONSERVATION DIVISION

Estimated Volume 7661 cy Known Volume (to be entered by the operator at the end of the haul): 7661 cy

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

SIGNATURE Robert M Young TITLE LANDFARM SUPERVISOR DATE 3/16/94

TYPE OR PRINT NAME ROBERT M YOUNG TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 3/17/94

APPROVED BY Kathy M Brown TITLE Geologist DATE 3/23/94

CONDITIONS OF APPROVAL, IF ANY:

3/17/94

92132
~~91362~~

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒	4. Generator Halliburton Energy Services.
2. Destination LANDFARM #2 - ENVIROTECH SOIL REMEDIATION FACILITY	5. Name of Originating Site Halliburton Energy Services
3. Address of Facility Operator 5796 US Hwy 64-3014, FARMINGTON, NM 87401	6. Name of Transporter Halliburton / ENVIROTECH
7. Location of Material (Street Address or ULSTR) 4109 E Main Farmington, NM 87401	8. State NM

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

SOIL CONTAMINATED WITH Fluorescein Dye. Original spill was at shore of Farmington Reservoir, which was cleaned up and placed into drums As DRY SOIL.

RECEIVED
MAR 17 1994
OIL CON. DIV.
DIST. 3

Estimated Volume 7 661 cy Known Volume (to be entered by the operator at the end of the haul): _____ cy

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

SIGNATURE Robert M Young TITLE LANDFARM SUPERVISOR DATE 3/16/94

TYPE OR PRINT NAME ROBERT M YOUNG TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 3/17/94

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Santa Fe 3/17/94

~~91502~~
92132

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

Originating Location: HALLIBURTON ENERGY SERVICES 4109 E. MAIN, FARMINGTON, NM 87401

Source: Fluorescein Dye Contaminated Soils - 7 barrels Dry

Disposal Location: Envirotech Soil Remediation Facility, (ESRF) Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR,Part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for ~~the~~ HALLIBURTON ENERGY SERVICES concur with the status of the waste from the subject site.

Name Gary L Morris

Title/Agency HR/HSE Coordinator
Halliburton Energy Services

Address 4109 E. Main
Farmington, N.M. 87402

Signature Gary L. Morris

Date 3/16/94

~~91502~~ 92132

ROBERT KOCH Industries Inc.
Route 1, Box 4HH
Bennett, CO 80102
(303) 644-3763

Chemicals - Dyes - Fragrances

MATERIAL SAFETY DATA SHEET

IDENTIFICATION

Common Name : (used on label) Hidacid Uranine, Dustless

CAS No.: 518-47-8 (Mixture containing,)

Chemical Name or
Trade Name: Fluorescein, disodium

Product Class: Acid Dye

Molecular Formula: $C_{20}H_{10}O_5 \cdot 2Na$

HAZARDOUS INGREDIENTS

(CAS Reg. No.) None

PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

Specific Gravity (H_2O=1): NA

Vapor Density (Air=1): NA

Solubility in Water: Soluble in water

Reactivity in Water: None known

Appearance and Odor: Red-orange powder

Post-it™ brand fax transmittal memo 7671 | # of pages ▸ 5

To Mike Coenforth	From Doug Oakes
Co. HES	Co. HES
Dept.	Phone #
Fax # 405-251-3969	Fax #

~~9230~~ 92132

10-20-DA-0938

Flash Point: NA

Extinguishing Media: Waterfog, carbon dioxide, dry chemical

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

PHYSICAL HAZARDS

Stability: Unstable / Stable — Conditions to Avoid: None

Incompatability: None known (Materials to Avoid)

Hazardous Decomposition Products: Burning may yield carbon monoxide.

Hazardous Polymerization: May Occur / Will Not Occur

HEALTH HAZARDS

Signs and Symptoms of Exposure: Exposed skin areas may be temporarily stained by this product.

Acute Overexposure: No significant health hazard is expected to result under conditions of normal usage of this material.

Medical Conditions Generally Aggravated by Exposure: UI

Chemical Listed as Carcinogen or Potential Carinogen: No citation found

OSHA Permissible Exposure Limit: Not established

ACGIH Threshold Limit Value: established

Emergency and
First Aid Procedures:

1. Inhalation: This material is not expected to be an inhalation problem.

2. Eyes: Flush eyes with plenty of low pressure water. If irritation exists obtain medical attention.

3. Skin: Wash exposed skin areas with soap and water.

4. Ingestion: If large amounts of product are ingested obtain medical attention.

SPECIAL PROTECTION INFORMATION

Respiratory Protection: An approved dust respirator should be worn.

Ventilation: Sufficient to prevent inhalation of dusts.

Protective Gloves: Recommended

Eye Protection: Safety goggles

Other Protective Clothing or Equipment: NA

SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken
in Handling and Storage: Store in dry area. Protect containers from physical damage.

Other Precautions: In accord with good industrial practices handle with due care and avoid personal contact.

Steps to be Taken in Case
Material is Released or Spilled: Sweep up spilled material and discard into proper waste container. Provide adequate ventilation during clean up. Wear proper respiratory protection.

Waste Disposal Methods: Dispose of according to federal, state and local regulations.

NA - Not Applicable UI - Unavailable Information

~~91502~~ 92132

ROBERT KOCH INDUSTRIES INC.
SPECIFICATION SHEET NO. 10-20-DA-0910

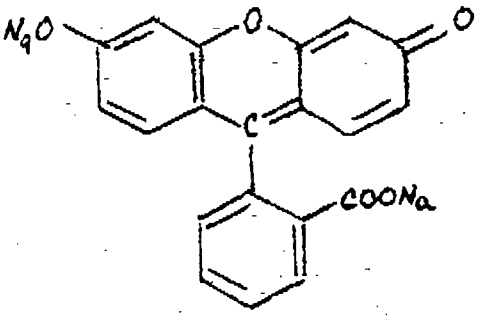
URANINE 313 TECHNICAL SPECIFICATION SHEET

COLOR INDEX NAME/NUMBER: Acid Yellow 73, 45350

CHEMICAL FORMULA: C(20)H(10)O(5)Na(2)

MOLECULAR WEIGHT: 376.3

CHEMICAL STRUCTURE:



APPEARANCE: Reddish-orange powder

SPECIFIC GRAVITY: .55-.60

SOLUBILITY: WATER - Very soluble, 430 grams per liter
ALCOHOL - Dye is soluble, diluent is insoluble

INSOLUBLES: 2.5% maximum VOLATILE: 15.0% MAXIMUM, 3 HOURS AT 135°C

SHADE: Yellow with a dark green fluorescence

STRENGTH: 75% plus or minus 5% pure dye content by visible absorption spectrophotometry

APPLICATIONS: Textile dyeing: Nylon, Silk & Wool
Fluorescent dye for markers, posters
Water Tracing
Sea Marking Dye
Automotive Antifreeze colorant
Chemical Compound Colorant

STANDARD PACKAGING: 1/4-LB, 1-LB, 5-LB, 25-LB, 100-LB

MATERIAL SAFETY DATA SHEET: Sent with initial sample and order request and upon request

Roger Anderson

LF2-014 92132

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☐	4. Generator: HALLIBURTON SERVICES
2. Destination: ENVIROTECH INC LANDFARM #2	5. Name of Originating Site: FARMINGTON YARD - EAST MAIN
3. Address of Facility Operator: 5796 US HWY 64-3014, FARMINGTON, NM 87401	6. Name of Transporter: ENVIROTECH, INC
7. Location of Material (Street Address or ULSTR): 4109 E. MAIN, FARMINGTON, NM 87401	8. State: NM

9. Check One

- ☐ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.
- ☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.
- ☐ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF THE MATERIAL:

Continuation of Solids generated from wash bay operations at Farmington YARD. 4109 E. MAIN, TCLP FROM PREVIOUS MATERIAL ACCEPTANCE ENCLOSED.

RECEIVED
MAR 07 1994
OIL CON. DIV.
DIST. 3

RECEIVED
MAR 01 1994
OIL CON. DIV.
DIST. 3

Estimated Volume 128 cy Known Volume (to be entered by the operator at the end of the haul): 128 cy

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

SIGNATURE Robert M Young TITLE LANDFARM SUPERVISOR DATE 2/25/94

TYPE OR PRINT NAME ROBERT M. YOUNG TELEPHONE NO. 632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 3/1/94

APPROVED BY Kathleen M Brown TITLE Geologist DATE 3/4/94

CONDITIONS OF APPROVAL, IF ANY:

CF 2/14

LF2-D14 92132

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☐	4. Generator HALLIBURTON SERVICES
2. Destination ENVIROTECH INC LANDFARM #2	5. Name of Originating Site FARMINGTON YARD - EAST MAIN
3. Address of Facility Operator 5796 US Hwy 64-3014, FARMINGTON, NM 87401	6. Name of Transporter ENVIROTECH, INC
7. Location of Material (Street Address or ULSTR) 4109 E. MAIN, FARMINGTON, NM 87401	8. State NM

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

BRIEF DESCRIPTION OF THE MATERIAL:

Continuation of Solids generated from wash bay operations at Farmington YARD. 4109 E. MAIN, TCLP FROM PREVIOUS MATERIAL ACCEPTANCE ENCLOSED.

RECEIVED
MAR 01 1994
OIL CON. DIV.
DIST. 3

Estimated Volume 128 cy Known Volume (to be entered by the operator at the end of the haul): _____ cy

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

SIGNATURE Robert M Young TITLE LANDFARM SUPERVISOR DATE 2/25/94

TYPE OR PRINT NAME ROBERT M. YOUNG TELEPHONE NO. 632-0615

This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 3/1/94

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Sent to Fe 3/1/94

LF 2 6 92132

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

Originating Location: 4109 E Main - Halliburton Services

Source: Wash Bay Solids

Disposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR,Part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for the Halliburton Services concur with the status of the waste from the subject site.

Name Gary L. Morris

Title/Agency H.R. / H.S.E.

Address 4109 E Main
Farmington, NM 87401

Signature Gary L. Morris

Date 8-4-93

CF2 [illegible] 92132

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay	Date Reported:	07-28-93
Laboratory Number:	5760	Date Sampled:	07-27-93
Sample Matrix:	Soil	Date Received:	07-27-93
Preservative:	Cool	Date Extracted:	07-27-93
Condition:	Cool & Intact	Date Analyzed:	07-28-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.015	0.2
2-Butanone	ND	0.007	200
1,1-Dichloroethene	ND	0.006	0.7
Chloroform	ND	0.011	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	0.006	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	97 %
Bromofluorobenzene	95 %

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

CF2 E-11

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

Sample ID: Wash Bay
Laboratory Number: 5760

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments: Wash Bay, Farminton Yard

Analyst

Review

LF2 E-11

ENVIRO-TECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay	Date Reported:	07-30-93
Laboratory Number:	5760	Date Sampled:	07-27-93
Sample Matrix:	Soil	Date Received:	07-27-93
Preservative:	Cool	Date Extracted:	07-27-93
Condition:	Cool & Intact	Date Analyzed:	07-30-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	ND	0.020	100.0

SURROGATE RECOVERIES:

Parameter	Percent Recovery
2-fluorophenol	93 %
2,4,6-tribromophenol	92 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

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

ND - Parameter not detected at the stated detection limit.

Comments: Wash Bay, Farmington Yard

Analyst

Review

LF2 E-11

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay	Date Reported:	07-30-93
Laboratory Number:	5760	Date Sampled:	07-27-93
Sample Matrix:	Soil	Date Received:	07-27-93
Preservative:	Cool	Date Extracted:	07-27-93
Condition:	Cool and Intact	Date Analyzed:	07-29-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:

Parameter	Percent Recovery
2-fluorobiphenyl	96 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Method 8090, Nitroaromatics and Cyclic Ketones, 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

ND - Parameter not detected at the stated detection limit.

Comments: Wash Bay, Farmington Yard

Analyst

Review

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ENVIROTECH LABS

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EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay	Date Reported:	08-02-93
Laboratory Number:	5760	Date Sampled:	07-27-93
Sample Matrix:	Soil	Date Received:	07-27-93
Preservative:	Cool	Date Analyzed:	07-30-93
Condition:	Cool & Intact	Date Extracted:	07-27-93
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	0.016	0.001	5.000
BARIUM	4.2	0.1	100.0
CADMIUM	0.097	0.001	1.000
CHROMIUM	0.012	0.001	5.000
LEAD	0.025	0.001	5.000
MERCURY	0.006	0.002	0.200
SELENIUM	0.012	0.001	1.000
SILVER	ND	0.01	5.00

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

Methods 7060A, 7080A, 7131A, 7191, 7470A, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

Method 1311, Toxicity Characteristic Leaching Procedure SW-846, USEPA, Nov. 1990

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments: Wash Bay, Farmington Yard

Analyst

Review

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ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

RCRA CHARACTERISTICS

Client:	Halliburton Wash Bay	Project #:	92132
Sample ID:	Wash Bay	Date Reported:	07-27-93
Lab ID#:	5760	Date Sampled:	07-27-93
Sample Matrix:	Soil	Date Received:	07-27-93
Preservative:	Cool	Date Analyzed:	07-27-93
Condition:	Cool & Intact		

IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: pH of 7.20

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

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: ≤ pH 2 or ≥ pH 12.5 is hazardous waste.

Farmington Yard.

Analyst

Reviewed

ENVIROTECH LABORATORIES

5796 U.S. HIGHWAY 64-3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	07-29-93
Laboratory Number:	0728tcv.blk	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	07-28-93
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.015	0.2
2-Butanone	ND	0.007	200
1,1-Dichloroethene	ND	0.006	0.7
Chloroform	ND	0.011	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	89 %
Bromofluorobenzene	105 %

ENVIROTECH LABS

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

Sample ID: Laboratory Blank
Laboratory Number: 0728tcv.blk

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS
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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	07-30-93
Laboratory Number:	0730tca.blk	Date Sampled:	NA
Sample Matrix:	2-Propanol	Date Received:	NA
Preservative:	NA	Date Analyzed:	07-30-93
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	ND	0.020	100.0

SURROGATE RECOVERIES:

Parameter	Percent Recovery
2-fluorophenol	98 %
2,4,6-tribromophenol	100 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	07-30-93
Laboratory Number:	0728tbn.blk	Date Sampled:	NA
Sample Matrix:	Hexane	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	07-29-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:

Parameter	Percent Recovery
2-fluorobiphenyl	104 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Method 8090, Nitroaromatics and Cyclic Ketones, 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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS
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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - BLANKS

Client:	NA	Project #:	NA
Sample ID:	Blanks	Date Reported:	08-02-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	07-30-93
Condition:	NA	Date Extracted:	NA

Parameter	Instrument Blank (mg/L)	Extraction Sol. Blank (mg/L)	Det. Limit (mg/L)
ARSENIC	ND	ND	0.001
BARIUM	ND	ND	0.1
CADMIUM	ND	ND	0.001
CHROMIUM	ND	ND	0.001
LEAD	ND	ND	0.001
MERCURY	ND	ND	0.002
SELENIUM	ND	ND	0.001
SILVER	ND	ND	0.01

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

Methods 7060A, 7080A, 7131A, 7191, 7470A, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

Method 1311, Toxicity Characteristic Leaching Procedure SW-846, USEPA, Nov. 1990

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIRO-TECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	07-29-93
Laboratory Number:	0727TCV.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	07-27-93
Condition:	Cool & Intact	Date Analyzed:	07-28-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.015	0.2
2-Butanone	ND	0.007	200
1,1-Dichloroethene	ND	0.006	0.7
Chloroform	ND	0.011	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	90 %
Bromofluorobenzene	94 %

ENVIROTECH LABS
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PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Sample ID: Method Blank
Laboratory Number: 0727TCV.MB

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	07-30-93
Laboratory Number:	0727TCA.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	07-27-93
Condition:	Cool & Intact	Date Analyzed:	07-30-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	ND	0.020	100.0

SURROGATE RECOVERIES:

Parameter	Percent Recovery
2-fluorophenol	108 %
2,4,6-tribromophenol	102 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	07-30-93
Laboratory Number:	0727BN.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	07-27-93
Condition:	Cool and Intact	Date Analyzed:	07-29-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:

Parameter	Percent Recovery
2-fluorobiphenyl	87 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Method 8090, Nitroaromatics and Cyclic Ketones, 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

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction and 8090 Concentration Method Blank

Analyst

Review

ENVIROTECH LABS
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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	08-02-93
Laboratory Number:	07-27-MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	NA	Date Analyzed:	07-30-93
Condition:	NA	Date Extracted:	07-27-93
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	ND	0.001	5.000
BARIUM	ND	0.1	100.0
CADMIUM	ND	0.001	1.000
CHROMIUM	ND	0.001	5.000
LEAD	ND	0.001	5.000
MERCURY	ND	0.002	0.200
SELENIUM	ND	0.001	1.000
SILVER	ND	0.01	5.00

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

Methods 7060A, 7080A, 7131A, 7191, 7470A, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

Method 1311, Toxicity Characteristic Leaching Procedure SW-846, USEPA, Nov. 1990

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank

Analyst

Review

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** QUALITY ASSURANCE EPA METHODS 8010/8020
MATRIX SPIKE - AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Spike	Date Reported:	07-29-93
Laboratory Number:	5760-S-TCV.	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	07-28-93
Condition:	NA		

Parameter	Sample Result (ug/L)	Spike Added (ug/L)	Spiked Sample Result (ug/L)	Det. Limit (ug/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	10.0	15.7	15.3	101	28-163
2-Butanone	ND	10.0	11.1	6.7	92	47-132
1,1-Dichloroethene	ND	10.0	10.9	6.4	95	43-143
Chloroform	ND	10.0	11.2	11.2	112	49-133
Carbon Tetrachloride	ND	10.0	8.7	5.0	87	43-143
Benzene	ND	10.0	10.8	5.1	105	39-150
1,2-Dichloroethane	ND	10.0	8.4	5.0	84	51-147
Trichloroethene	ND	10.0	10.4	5.0	104	35-146
Tetrachloroethene	5.7	10.0	17.6	5.2	112	26-162
Chlorobenzene	ND	10.0	11.0	5.0	110	38-150
1,4-Dichlorobenzene	ND	10.0	10.4	5.0	104	42-143

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

QUALITY ASSURANCE REPORT
EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - MATRIX SPIKE

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	08-02-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	07-30-93
Condition:	NA	Date Extracted:	NA

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
ARSENIC	0.100	0.003	0.108	105
BARIUM	10.0	3.8	13.9	101
CADMIUM	0.050	0.014	0.064	100
CHROMIUM	0.100	ND	0.099	99
LEAD	0.100	0.008	0.103	95
MERCURY	0.025	0.003	0.027	96
SELENIUM	0.100	ND	0.101	101
SILVER	1.00	0.01	1.01	100

QA ACCEPTANCE CRITERIA:

Parameter	Acceptance Range %
TCLP Metals	80 - 120

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

Methods 7060A, 7080A, 7131A, 7191, 7470A, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

Method 1311, Toxicity Characteristic Leaching Procedure SW-846, USEPA, Nov. 1990

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

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CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location
HALLIBURTON WASH BAY	FARMINGTON YARD

Sampler: (Signature) Marie D. Young

Chain of Custody Tape No. 92132

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TCLP						Remarks
												No PEST or HERB
WASH BAY	7/27/93	11:45	5760	Soil	1	✓						

ANALYSIS/PARAMETERS

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Marie D Young	7/27/93	13:28	Tony Tristano	7/27/93	1330 ~~1300~~
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

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

San Juan repro Form 578-81

LF # 2 C-14, Rec 2/22/94, 306 cy

93101

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ 2/15/94 D. Foust-NMOCD	4. Generator Mobil O.D.
2. Destination LANDFARM #2	5. Name of Originating Site LINDRITH B-25 INJECTION WELL
3. Address of Facility Operator 5796 US Hwy 64-3014, FARMINGTON, NM 87401	6. Name of Transporter
7. Location of Material (Street Address or ULSTR) Sec 9, T24N, R3W NMPM.	8. State NM

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

Continuation of disposal Well Tank bottoms

RECEIVED
MAR 0 3 1994
OIL CON. DIV.
DIST. 3

Rec 2/22/94 LF # 2C-14
306 cy

Estimated Volume 220-250 bbl or cy Known Volume (to be entered by the operator at the end of the haul): 306 cy

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

SIGNATURE Robert M Young TITLE Landfarm Supervisor DATE 2/15/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 3/3/94

APPROVED BY Steve Boand TITLE Geo DATE 3/3/94

CONDITIONS OF APPROVAL, IF ANY:

LF #2 C.
2/22/94
306 cy

93101

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIAT

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: LINDRITH B-25 Disposal Well, LINDRITH, NM

Source: Sludge from Injection Well

Disposal Location: Envirotech Soil Remediation Facility, (ESRF) Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for ~~the~~ MORA OIL concur with the status of the waste from the subject site.

Name KJ Bennett

Title/Agency Production Tech

Address 312 N. 1st St.
Bloomfield, NM 87413

Signature KJ Bennett

Date 2-16-94

93101

CF#2-C-14
Rec 2/22/94
306 cy

CERTIFICATE OF WASTE TRANSPORT

Originating Location: Lindsey 'B' unit Well #25

Source of Contamination: Oil-Sand-Water

Generator: Mobil Oil Corp

Disposal Location: Envirotech Soil Remediation Site, Hilltop, New Mexico
Landfarm #1___ Landfarm #2 X NMED Landfarm___

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Bob Maggard

Company: Sunco

Signature: ~~Bob Maggard~~ Charlie Mulvey

Date: Feb. 17, 1994

93101

LF#2 C-14
Rec 2/22/94
300 cy

CERTIFICATE OF WASTE TRANSPORT

Originating Location: Lindreth B Unit Well # 25

Source of Contamination: Bottom Sediment & Oil

Generator: Mobil Oil Corp

Disposal Location: Envirotech Soil Remediation Site, Hilltop, New Mexico
Landfarm #1___ Landfarm #2 X NMED Landfarm___

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Bob Maggard

Company: SCMCO

Signature: Charles Mullins

Date: 2-16-94

93101

LF #2 C-14
Rec 2/22/94
306 cy

CERTIFICATE OF WASTE TRANSPORT

Originating Location: MOBIL - LINDRITH B #25

Source of Contamination: CRUDE OIL & WATER

Generator: MOBIL

Disposal Location: Envirotech Soil Remediation Site, Hilltop, New Mexico
Landfarm #1___ Landfarm #2 X NMED Landfarm___

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Mick Whitlock

Company: Sunco Trucking

Signature: Charles Mullins
Mick Whitlock

Date: 2-16-94

04015

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒	4. Generator El Paso
2. Destination LandFarm #2	5. Name of Originating Site BLANCO PLANT
3. Address of Facility Operator 5796 US Hwy 64-3014 Farmington, NM 87401	6. Name of Transporter
7. Location of Material (Street Address or ULSTR) Top ½ S14, T29N R11W	8. State New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

RECEIVED
FEB 18 1994
OIL CON. DIV.
DIST. 3

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

BRIEF DESCRIPTION OF THE MATERIAL:

Cleanup of & Release of hydrocarbon liquids from inlet Scrubber

Estimated Volume 8 cy Known Volume (to be entered by the operator at the end of the haul): 2 cy

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

SIGNATURE Robert M Young TITLE Landfarm Supervisor DATE 2/11/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0625

This space for State Use

APPROVED BY Denny G. Foust TITLE Geologist DATE 2/14/94

APPROVED BY Kathy Brown TITLE Geologist DATE 2/15/94

CONDITIONS OF APPROVAL, IF ANY:

04015

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒	4. Generator El Paso
2. Destination Landfarm #2	5. Name of Originating Site BLANCO PLANT
3. Address of Facility Operator 5796 US Hwy 64-3014, Farmington, NM 87401	6. Name of Transporter
7. Location of Material (Street Address or ULSTR) Top ½ S14, T29N, R11W	8. State New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

Skimmer Basin Sludge

RECEIVED
FEB 14 1994
OIL CON. DIV.
DIST. 3

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

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

SIGNATURE Robert M Young TITLE Landfarm Supervisor DATE 2/11/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505 632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 2/14/94

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

04015

El Paso
Natural Gas Company

P. O. BOX 4990
FARMINGTON, NEW MEXICO 87499

February 1, 1994

Mr. Morris Young
Envirotech
5796 U.S. Highway 64-3014
Farmington, N.M. 87401

Subject : Skimmer Basin Sludge and Inlet Scrubber Soil at Blanco Plant

Dear Mr. Young,

El Paso Natural Gas Company (EPNG) received approval from NMOCD to dispose skimmer basin sludge after stabilization with clean soil at your Envirotech facility. Analytical test results of the nonexempt waste were sent directly to NMOCD in October 1993. A copy of the test results is attached. In addition to the skimmer basin sludge, EPNG has one drum of soil/gravel due to a cleanup of a hydrocarbon release from an inlet scrubber.

EPNG requests permission to dispose the skimmer basin sludge and soil/gravel contaminated due to a release from an inlet scrubber at the Envirotech facility. Attached are two Certification of Waste Status Forms.

Upon approval, we plan to haul the soil to your facility on February 15th. If you have any questions, please call me at 599-2176.

Anu Pundari

Anu Pundari
Sr. Compliance Engineer

8cy

cc: Mr. Denny Foust(NMOCD)
Mr. David Hall(EPNG)

04015

Analytical Technologies, Inc.

2709-D Pan American Freeway, NE Albuquerque, NM 87107
Phone (505) 344-3777 FAX (505) 344-4413

ATI I.D. 308325

August 27, 1993

El Paso Natural Gas Company
P.O. Box 4990
Farmington, NM 87499

Project Name/Number: BLANCO PLT.

Attention: John Lambdin

On **08/10/93**, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze **non-aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

Low 2,4,6-tribromophenol surrogate recovery by EPA Method 8270 (TCLP) for sample N30846 was confirmed by re-extraction and re-analysis.

ND indicates pyridine was not detected by EPA Method 8270 analysis of the TCLP extract. Studies have shown pyridine is not recoverable when the extract is spiked at or below the regulatory level.

All analyses were performed by Analytical Technologies, Inc., 9830 S. 51st Street, Suite B-113, Phoenix, AZ.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Adela M. Cantu
Senior Organic Chemist

LAK:jd

Enclosure

Letitia Krakowski
Acting Laboratory Manager

AUG 1993

04015

CERTIFICATION OF WASTE STATUS

Originating Location: El Paso Natural Gas Company's Blanco Plant
Originating Source: Skimmer Basin Sludge

Disposal Location: Envirotech Soil Remediation Site, Hilltop, NM
EPNG Designated Area within Envirotech's Facility

I, Anu Pundari, as a representative for
El Paso Natural Gas Company
do hereby certify that the waste described above is non-exempt, according to the Resource Conservation and Recovery Act (RCRA), but has been identified as non-hazardous by characteristic analysis.

The appropriate documentation is hereto attached.

Signature : Anu Pundari

Name, Date: Anu Pundari 2/1/94

Company: El Paso Natural Gas

Address: P.O. Box 4990 ; Fmn, NM 87499

04015

Analytical Technologies, Inc.

GCMS - RESULTS

ATI I.D. : 30832501

TEST : EPA METHOD 8240 (TCLP 1311)

CLIENT	: EL PASO NATURAL GAS CO.	DATE SAMPLED	: 08/09/93
PROJECT #	: (NONE)	DATE RECEIVED	: 08/10/93
PROJECT NAME	: BLANCO PLT.	DATE EXTRACTED	: 08/11/93
CLIENT I.D.	: N30845 - Skimmer Pond BASIN SLUDGE	DATE ANALYZED	: 08/18/93
SAMPLE MATRIX	: NON-AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<10
CARBON TETRACHLORIDE	<10
CHLOROBENZENE	<10
CHLOROFORM	<10
1,2-DICHLOROETHANE	<10
1,1-DICHLOROETHENE	<10
METHYL ETHYL KETONE	<100
TETRACHLOROETHENE	<10
TRICHLOROETHENE	<10
VINYL CHLORIDE	<10
SURROGATE PERCENT RECOVERIES	
1,2-DICHLOROETHANE-D4 (%)	102
BROMOFLUOROBENZENE (%)	100
TOLUENE-D8 (%)	97

No Component Failed TCLP Limits.

9/14/93

04015

Analytical Technologies, Inc.

GCMS - RESULTS

ATI I.D. : 30832501

TEST : EPA METHOD 8270 (TCLP 1311)

CLIENT	: EL PASO NATURAL GAS CO.	DATE SAMPLED	: 08/09/93
PROJECT #	: (NONE)	DATE RECEIVED	: 08/10/93
PROJECT NAME	: BLANCO PLT.	DATE EXTRACTED	: 08/11/93
CLIENT I.D.	: N30845 - Skimmer Pond Basin Sludge	DATE ANALYZED	: 08/16/93
SAMPLE MATRIX	: NON-AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 2

COMPOUNDS	RESULTS
O-CRESOL	<20
M & P-CRESOL	<20
1,4-DICHLOROBENZENE	<20
2,4-DINITROTOLUENE	<20
HEXACHLOROBENZENE	<20
HEXACHLOROBUTADIENE	<20
HEXACHLOROETHANE	<20
NITROBENZENE	<20
PENTACHLOROPHENOL	<100
2,4,5-TRICHLOROPHENOL	<100
2,4,6-TRICHLOROPHENOL	<20
PYRIDINE	ND

SURROGATE PERCENT RECOVERIES

NITROBENZENE (%)	80
2-FLUOROBIPHENYL (%)	74
TERPHENYL (%)	46
PHENOL-D6 (%)	60
2-FLUOROPHENOL (%)	54
2,4,6-TRIBROMOPHENOL (%)	68

No compound Failed TCLP Limits. 9/14/93

04015

Analytical Technologies, Inc.

METALS RESULTS

ATI I.D. : 308325

CLIENT : EL PASO NATURAL GAS CO.
PROJECT # : (NONE)
PROJECT NAME : BLANCO PLT.

DATE RECEIVED : 08/10/93
REPORT DATE : 08/27/93

PARAMETER	UNITS	01	02
SILVER (TCLP 1311/6010)	MG/L	<0.010	<0.010
ARSENIC (TCLP 1311/6010)	MG/L	<0.1	<0.1
BARIUM (TCLP 1311/6010)	MG/L	0.634	2.62
CADMIUM (TCLP 1311/6010)	MG/L	<0.005	<0.005
CHROMIUM (TCLP 1311/6010)	MG/L	0.123	0.240
MERCURY (TCLP 1311/7470)	MG/L	<0.0002	<0.0002
LEAD (TCLP 1311/6010)	MG/L	<0.10	<0.10
SELENIUM (TCLP 1311/6010)	MG/L	<0.1	<0.1

No component failed TCLP limits.

9/14/93

04015

Analytical Technologies, Inc.

METALS - QUALITY CONTROL

CLIENT : EL PASO NATURAL GAS CO.
PROJECT # : (NONE)
PROJECT NAME : BLANCO PLT. ATI I.D. : 308325

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
SILVER (IN TCLP)	MG/L	30864001	<0.010	<0.010	NA	0.943	1.00	94
ARSENIC (IN TCLP)	MG/L	30864001	<0.1	<0.1	NA	1.0	1.0	100
BARIUM (IN TCLP)	MG/L	30864001	0.693	0.696	0.4	1.66	1.00	97
CADMIUM (IN TCLP)	MG/L	30864001	<0.005	<0.005	NA	0.986	1.00	99
CHROMIUM (IN TCLP)	MG/L	30864001	<0.010	<0.010	NA	0.942	1.00	94
MERCURY (IN TCLP)	MG/L	30832501	<0.0002	<0.0002	NA	0.0049	0.0050	98
LEAD (IN TCLP)	MG/L	30864001	0.22	0.22	0	1.16	1.00	94
SELENIUM (IN TCLP)	MG/L	30864001	<0.1	<0.1	NA	1.0	1.0	100

Acceptable
9/4/93

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

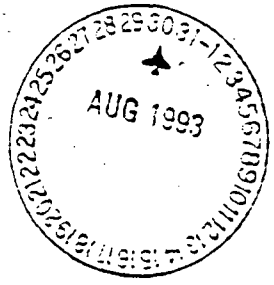
$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

04015

Analytical Technologies, Inc.

CLIENT : EL PASO NATURAL GAS CO. DATE RECEIVED : 08/10/93
PROJECT # : (NONE)
PROJECT NAME : BLANCO PLT. REPORT DATE : 08/27/93
ATI I.D. : 308325

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	N30845 - Skimmer Pond Sludge - Blanco Pit	NON-AQUEOUS	08/09/93
02	N30846 - 'A' Cooling Tower Sludge - Blanco Pit	NON-AQUEOUS	08/09/93



----- TOTALS -----

MATRIX	# SAMPLES
NON-AQUEOUS	2

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

PLEASE FILL THIS FORM IN COMPLETELY. SHADED AREAS ARE FOR LAB USE ONLY.

PROJECT MANAGER: Todd Tombaugh

COMPANY: El Paso Natural Gas Co.

ADDRESS: 220 CR 1249

Farmington, N.M. 87401

PHONE: 505 599 2144

FAX: 505 599 2261

BILL TO: Same As Above

COMPANY:

ADDRESS:

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID
N30845	6-9-93	1310	Surface	01
N30846	6-9-93	1315	Surface	02

	Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE/MTBE (MOD 8015/8020)	BTXE/MTBE (8020)			Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.			Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)			SDWA Primary Standards - Arizona	SDWA Secondary Standards - Arizona	SDWA Primary Standards - Federal	SDWA Secondary Standards - Federal	TCLP - 8270 / 8240	The 13 Priority Pollutant Metals	RCRA Metals by Total Digestion	RCRA Metals by TCLP (1311)	# OF CONTAINERS
01																						X	X		X	1
02																						X	X		X	1

PROJECT INFORMATION

PROJ. NO.:

PROJ. NAME: Bloomfield NF

P.O. NO.:

SHIPPED VIA:

SAMPLE RECEIPT

NO. CONTAINERS	2
CUSTODY SEALS	Y / N / (NA)
RECEIVED INTACT	Y
RECEIVED COLD	Y

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐ 24HR ☐ 48hr ☐ 72hr ☐ 1 WEEK (NORMAL) ☐ 2 WEEK

Comments: CHARGES TO:

108 - 52452 - 21 - 0001 - 0012 - 51 - 2010

SAMPLED & RELINQUISHED BY: 1

Signature: Roger E. Bizzell Time: 1450

Printed Name: Roger E. Bizzell Date: 6-9-93

Company: El Paso Nat Gas. Phone: 505 599 2112

RELINQUISHED BY: 2

Signature: Time:

Printed Name: Date:

Company:

RELINQUISHED BY: 3

Signature: Time:

Printed Name: Date:

Company:

RECEIVED BY: 1

Signature: Time:

Printed Name: Date:

Company:

RECEIVED BY: 2

Signature: Time:

Printed Name: Date:

Company:

RECEIVED BY: (LAB) 3

Signature: Time: 1015

Printed Name: Date:

Analytical Technologies, Inc.

ATI Labs: San Diego (619) 458 9141 • Phoenix (602) 496 4400 • Seattle (206) 228 8335 • Pensacola (904) 474 1001 • Portland (503) 684 0447 • Albuquerque (505) 344 3777 DISTRIBUTION: White, Canary - ATI • Pink - ORIGINATOR

1040

Analytical Technologies, Inc. Albuquerque, NM

Chain of Custody

DATE: 8/6/03 PAGE 1 OF 1

04015

NETWORK PROJECT MANAGER: BETH PROFFITT

COMPANY: Analytical Technologies, Inc.

ADDRESS: 2709-D Pan American Freeway, NE
Albuquerque, NM 87107

CLIENT PROJECT MANAGER:

SAMPLE ID	DATE	TIME	MATRIX	LAB ID
308305-1	8/6/03	1300	SOIL	1
-2	8/6/03	1315	SOIL	2

ANALYSIS REQUEST

TCLP	TCC	ORGANIC LEAD	SULFIDE	SURFACTANTS (MBAS)	8021B/602 MOD	8015B MOD	8015B/D	8240 TCL's (1311) ZHE	8260 TCL's (1311) ZHE	Diesel/Gasoline/BTXE/MTBE (MOD 8015/8020)	Volatile Organics GCMS (624/8240)	NAGE	ASBESTOS	BOD	TOTAL COLIFORM	FECAL COLIFORM	GROSS ALPHA/BETA	RADIUM 226/228	AIR - TO - SOIL METHANE	AIR/Diesel/Gasoline/BTXE (MOD 8015/8020)	CONTAINERS NUMBER
								X	X	X											2

PROJECT INFORMATION

PROJECT NUMBER: 308305

PROJECT NAME: EPN

QC LEVEL: (STD) IV

QC REQUIRED: MS MSD BLANK

TAT: STANDARD / RUSH

DUE DATE: 8/20/03

RUSH SURCHARGE:

CLIENT DISCOUNT: 10 %

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS	4
CHAIN OF CUSTODY SEALS	1
INTACT?	Y
RECEIVED GOOD COND/COLD	Y
LAB NUMBER	308305

SAMPLES SENT TO:

- SAN DIEGO
- EL DORADO
- RENTON
- PENSACOLA
- PHOENIX X
- BAINBRIDGE
- FRIENDSWOOD

RELINQUISHED BY: 1.

Signature: Time:

Printed Name: Date: 8/6/03

Analytical Technologies, Inc.
Albuquerque

RECEIVED BY: (LAB) 1.

Signature: Time:

Printed Name: Date:

Company:

RELINQUISHED BY: 2.

Signature: Time:

Printed Name: Date

Company:

RECEIVED BY: (LAB) 2.

Signature: Time:

Printed Name: Date: 8/6/03

Company: ATT

04015

Analytical Technologies, Inc.

GCMS - RESULTS

REAGENT BLANK

TEST : EPA METHOD 8240 (TCLP 1311)

CLIENT	: EL PASO NATURAL GAS CO.	ATI I.D.	: 308325
PROJECT #	: (NONE)	DATE EXTRACTED	: 08/11/93
PROJECT NAME	: BLANCO PLT.	DATE ANALYZED	: 08/18/93
CLIENT I.D.	: REAGENT BLANK	UNITS	: UG/L
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
BENZENE	<10
CARBON TETRACHLORIDE	<10
CHLOROBENZENE	<10
CHLOROFORM	<10
1,2-DICHLOROETHANE	<10
1,1-DICHLOROETHENE	<10
METHYL ETHYL KETONE	<100
TETRACHLOROETHENE	<10
TRICHLOROETHENE	<10
VINYL CHLORIDE	<10

SURROGATE PERCENT RECOVERIES

1,2-DICHLOROETHANE-D4 (%)	100
BROMOFLUOROBENZENE (%)	97
TOLUENE-D8 (%)	107

Accepted
K
9/4/93

04015

Analytical Technologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 308325

TEST : EPA METHOD 8240 (TCLP 1311)

CLIENT : EL PASO NATURAL GAS CO.
PROJECT # : (NONE)
PROJECT NAME : BLANCO PLT.
REF I.D. : 30849816

DATE ANALYZED : 08/18/93
SAMPLE MATRIX : NON-AQUEOUS
UNITS : UG/L

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
1,1-DICHLOROETHENE	<1	50	48	96	51	102	6
TRICHLOROETHENE	<1	50	44	88	46	92	4
CHLOROBENZENE	<1	50	49	98	50	100	2
BENZENE	<1	50	47	94	49	98	4

Accepted
JF
9/14/93

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

04015

Analytical Technologies, Inc.

GCMS - RESULTS

REAGENT BLANK

TEST : EPA METHOD 8270 (TCLP 1311)

CLIENT	: EL PASO NATURAL GAS CO.	ATI I.D.	: 308325
PROJECT #	: (NONE)	DATE EXTRACTED	: 08/11/9
PROJECT NAME	: BLANCO PLT.	DATE ANALYZED	: 08/16/9
CLIENT I.D.	: REAGENT BLANK	UNITS	: UG/L
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
O-CRESOL	<20
M & P-CRESOL	<20
1,4-DICHLOROBENZENE	<20
2,4-DINITROTOLUENE	<20
HEXACHLOROBENZENE	<20
HEXACHLOROBUTADIENE	<20
HEXACHLOROETHANE	<20
NITROBENZENE	<20
PENTACHLOROPHENOL	<100
2,4,5-TRICHLOROPHENOL	<100
2,4,6-TRICHLOROPHENOL	<20
PYRIDINE	ND

SURROGATE PERCENT RECOVERIES

NITROBENZENE (%)	76
2-FLUOROBIPHENYL (%)	85
TERPHENYL (%)	80
PHENOL-D6 (%)	56
2-FLUOROPHENOL (%)	51
2,4,6-TRIBROMOPHENOL (%)	61

Acceptable

9/4/97

Analytical Technologies, Inc.

04015

QUALITY CONTROL DATA

ATI I.D. : 308325

TEST : EPA METHOD 8270 (TCLP 1311)

CLIENT : EL PASO NATURAL GAS CO.
PROJECT # : (NONE)
PROJECT NAME : BLANCO PLT.
REF I.D. : 30832502

DATE ANALYZED : 08/16/93
SAMPLE MATRIX : NON-AQUEOUS
UNITS : UG/L

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
2,4-DINITROTOLUENE	<20	100	67	67	67	67	0
1,4-DICHLOROBENZENE	<20	100	55	55	53	53	4
PENTACHLOROPHENOL	<100	200	160	80	180	90	12
O-CRESOL	<20	200	120	60	120	60	0

Acceptable
9/4/93

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

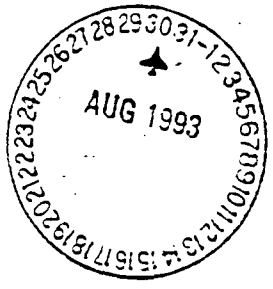
$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

04015

Analytical Technologies, Inc.

CLIENT : EL PASO NATURAL GAS CO. DATE RECEIVED : 08/10/93
PROJECT # : (NONE)
PROJECT NAME : BLANCO PLT. REPORT DATE : 08/27/93
ATI I.D. : 308325

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	N30845 - Skimmer Pond Sludge - Blanco Pit	NON-AQUEOUS	08/09/93
02	N30846 - "A" Cooling Tower Sludge - Blanco Pit	NON-AQUEOUS	08/09/93



----- TOTALS -----

MATRIX	# SAMPLES
NON-AQUEOUS	2

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

San Diego • Phoenix • Seattle • Pensacola • Ft. Collins • Portland • Albuquerque

DATE: 8-9-93 PAGE 1 OF 1

PLEASE FILL THIS FORM IN COMPLETELY. SHADED AREAS ARE FOR LAB USE ONLY.

PROJECT MANAGER: Todd Zambelli

COMPANY: El Paso Nat Gas Co.

ADDRESS: 220 W. Broadway
Farmington N. Mex. 87401

PHONE: 505 599 2144

FAX: 505 599 2261

BILL TO: Same As Above

COMPANY:

ADDRESS:

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID
N30845	8-9-93	1300	Sludge	01
N30846	8-9-93	1315	Sludge	02

	Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE/MTBE (MOD 8015/8020)	BTXE/MTBE (8020)			Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Rec. & Unreg.			Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)			SDWA Primary Standards - Arizona	SDWA Secondary Standards - Arizona	SDWA Primary Standards - Federal	SDWA Secondary Standards - Federal	TCLP - 8270 / 8240		The 13 Priority Pollutant Metals	RCRA Metals by Total Digestion	RCRA Metals by TCLP (1311)	# OF CONTAINERS
01																							X			X	2
02																							X			X	2

PROJECT INFORMATION

PROJ. NO.:

PROJ. NAME: Bloomfield

P.O. NO.:

SHIPPED VIA:

SAMPLE RECEIPT

NO. CONTAINERS	4
CUSTODY SEALS	Y / N / (NA)
RECEIVED INTACT	Y
RECEIVED COLD	Y

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK (NORMAL) ☐ 2 WEEK

Comments:
CHARGE TO:

108-52452-21-0001-0012-51-2010

SAMPLED & RELINQUISHED BY: 1.

Signature: Roger E. Bigger Time: 1450

Printed Name: Karen E. Bigger Date: 8-9-93

Company: El Paso Nat Gas. Phone: 505 599 2112

RELINQUISHED BY: 2.

Signature: Time:

Printed Name: Date:

Company:

RELINQUISHED BY: 3

Signature: Time:

Printed Name: Date:

Company:

RECEIVED BY: 1.

Signature: Time:

Printed Name: Date:

Company:

RECEIVED BY: 2

Signature: Time:

Printed Name: Date:

Company:

RECEIVED BY: (LAB) 3

Signature: Time: 1015

Printed Name: Terri Date: 8/10/93

Analytical Technologies, Inc.

Analytical Technologies, Inc. Albuquerque, NM

Chain of Custody

DATE 8/10/93 PAGE 1 OF 1

NETWORK PROJECT MANAGER: BETH PROFFITT

COMPANY: Analytical Technologies, Inc.

ADDRESS: 2709-D Pan American Freeway, NE
Albuquerque, NM 87107

CLIENT PROJECT MANAGER:

SAMPLE ID	DATE	TIME	MATRIX	LAB ID
308325-1	8/9/93	1300	SOIL	1
-2	8/9/93	1315	SOIL	2

ANALYSIS REQUEST

TOX	TOC	ORGANIC LEAD	SULFIDE	SURFACTANTS (MBAS)		602/8021 MOD	418.1/M19 MOD	410.4/8310		BTEX (EPA 1311)	8240 (TCLP 1311) ZHE	TCLP Metals by TCLP	Diesel/Gasoline/BTXE/MTBE/ (MOD 8015/8020)	Volatile Organics GCMS (624/8240)		NACE	ASBESTOS		BOD	TOTAL COLIFORM	FECAL COLIFORM		GROSS ALPHA/BETA	RADIUM 226/228		AIR - O2, CO2, METHANE	AIR/Diesel/Gasoline/BTXE/ (MOD 8015/8020)		NUMBER OF CONTAINERS	
										X	X	X																		1	
										X	X	X																		1	

PROJECT INFORMATION

PROJECT NUMBER: 308325

PROJECT NAME: EPM

QC LEVEL: (STD) IV

QC REQUIRED: MS MSD BLANK

TAT: STANDARD / RUSH

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS	1/
CHAIN OF CUSTODY SEALS	N/
INTACT?	Y
RECEIVED GOOD COND./COLD	Y
LAB NUMBER	308325

DUE DATE: 8/24/93

RUSH SURCHARGE:

CLIENT DISCOUNT: 10 %

USAN 15584

SAMPLES SENT TO:

SAN DIEGO	
FT. COLLINS	
RENTON	
PENSACOLA	
PHOENIX	X
BARRINGER	
FIBERQUANT	

RELINQUISHED BY: 1.

Signature: Time: 1120

Printed Name: Lora Dettre Date 8/10/93

Analytical Technologies, Inc.
Albuquerque

RECEIVED BY: (LAB) 1.

Signature: Time:

Printed Name: Date:

Company:

RELINQUISHED BY: 2.

Signature: Time:

Printed Name: Date

Company:

RECEIVED BY: (LAB) 2.

Signature: Time: 0950

Printed Name: Rosella Vidal Date: 8/11/93

Company: ATI

S10/10

04015

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☑	4. Generator FE[illegible] El Paso 8 35
2. Destination Landfarm #2	5. Name of Originating Site BLANCO PLANT
3. Address of Facility Operator 5796 US Hwy 64-3014, Farmington, NM 87401	6. Name of Transporter
7. Location of Material (Street Address or ULSTR) Top ½ S14, T29N, R11W	8. State New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

RECEIVED
FEB 18 1994
OIL CON. DIV
DIST. 3

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

BRIEF DESCRIPTION OF THE MATERIAL:

Skimmer Basin Sludge

RECEIVED
FEB 14 1994
OIL CON. DIV.
DIST. 3

Estimated Volume 8 cy Known Volume (to be entered by the operator at the end of the haul): 6 cy

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

SIGNATURE Robert M Young TITLE Landfarm Supervisor DATE 2/11/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 2/14/94

APPROVED BY Kathy Brown TITLE Geologist DATE 2/15/94

CONDITIONS OF APPROVAL, IF ANY:

04015

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒	4. Generator El Paso
2. Destination Landfarm #2	5. Name of Originating Site BLANCO PLANT
3. Address of Facility Operator 5796 US Hwy 64-3014 Farmington, NM 87401	6. Name of Transporter
7. Location of Material (Street Address or ULSTR) Top ½ S14, T29N R11W	8. State New Mexico

9. Check One

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

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

Cleanup of ~~&~~ Release of hydrocarbon liquids from inlet Scrubber

RECEIVED
FEB1 4 1994
OIL CON. DIV.
DIST. 3

Estimated Volume 8 cy Known Volume (to be entered by the operator at the end of the haull: _____ cy

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

SIGNATURE Robert M Young TITLE Landfarm Supervisor DATE 2/11/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 2/14/94

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

04015

El Paso
Natural Gas Company

P. O. BOX 4990
FARMINGTON, NEW MEXICO 87499

February 1, 1994

Mr. Morris Young
Envirotech
5796 U.S. Highway 64-3014
Farmington, N.M. 87401

Subject : Skimmer Basin Sludge and Inlet Scrubber Soil at Blanco Plant

Dear Mr. Young,

El Paso Natural Gas Company (EPNG) received approval from NMOCD to dispose skimmer basin sludge after stabilization with clean soil at your Envirotech facility. Analytical test results of the nonexempt waste were sent directly to NMOCD in October 1993. A copy of the test results is attached. In addition to the skimmer basin sludge, EPNG has one drum of soil/gravel due to a cleanup of a hydrocarbon release from an inlet scrubber.

EPNG requests permission to dispose the skimmer basin sludge and soil/gravel contaminated due to a release from an inlet scrubber at the Envirotech facility. Attached are two Certification of Waste Status Forms.

Upon approval, we plan to haul the soil to your facility on February 15th. If you have any questions, please call me at 599-2176.

Anu Pundari

Anu Pundari
Sr. Compliance Engineer

cc: Mr. Denny Foust(NMOCD)
Mr. David Hall(EPNG)

04015

Analytical Technologies, Inc.

2709-D Pan American Freeway, NE Albuquerque, NM 87107
Phone (505) 344-3777 FAX (505) 344-4413

ATI I.D. 308325

August 27, 1993

El Paso Natural Gas Company
P.O. Box 4990
Farmington, NM 87499

Project Name/Number: BLANCO PLT.

Attention: John Lambdin

On 08/10/93, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze **non-aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

Low 2,4,6-tribromophenol surrogate recovery by EPA Method 8270 (TCLP) for sample N30846 was confirmed by re-extraction and re-analysis.

ND indicates pyridine was not detected by EPA Method 8270 analysis of the TCLP extract. Studies have shown pyridine is not recoverable when the extract is spiked at or below the regulatory level.

All analyses were performed by Analytical Technologies, Inc., 9830 S. 51st Street, Suite B-113, Phoenix, AZ.

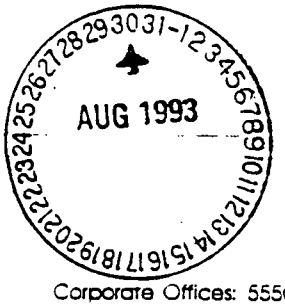
If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Adela M. Cantu
Senior Organic Chemist

Letitia Krakowski
Acting Laboratory Manager

LAK:jd

Enclosure



04015

CERTIFICATION OF WASTE STATUS

Originating Location: El Paso Natural Gas Company's Blanco Plant
Originating Source: Cleanup from release of hydrocarbon liquids from inlet scrubber.

Disposal Location: Envirotech Soil Remediation Site, Hilltop, NM
EPNG Designated Area within Envirotech's Facility

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by EPA's July 1988 Regulatory Determination and that non-exempt waste that is a " hazardous waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with any other waste in such a manner so as to make the resultant mixture a " hazardous waste" pursuant to the provisions of 40 CFR, Section 261.3(b)."

Signature : Anu Pundari

Name, Date: Anu Pundari 2/1/94

Company: El Paso Natural Gas

Address: P.O. Box 4990; Fmn, NM 87499

04015

Analytical Technologies, Inc.

GCMS - RESULTS

ATI I.D. : 30832502

TEST : EPA METHOD 8240 (TCLP 1311)

CLIENT	: EL PASO NATURAL GAS CO.	DATE SAMPLED	: 08/09/93
PROJECT #	: (NONE)	DATE RECEIVED	: 08/10/93
PROJECT NAME	: BLANCO PLT.	DATE EXTRACTED	: 08/11/93
CLIENT I.D.	: N30846 "A" Caving Tower Basin Sludge	DATE ANALYZED	: 08/18/93
SAMPLE MATRIX	: NON-AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<10
CARBON TETRACHLORIDE	<10
CHLOROBENZENE	<10
CHLOROFORM	<10
1,2-DICHLOROETHANE	<10
1,1-DICHLOROETHENE	<10
METHYL ETHYL KETONE	<100
TETRACHLOROETHENE	<10
TRICHLOROETHENE	<10
VINYL CHLORIDE	<10
SURROGATE PERCENT RECOVERIES	
1,2-DICHLOROETHANE-D4 (%)	100
BROMOFLUOROBENZENE (%)	100
TOLUENE-D8 (%)	101

No surrogate Failed TCLP Limits. 9/4/93

Analytical Technologies, Inc.

04015

GCMS - RESULTS

ATI I.D. : 30832502

TEST : EPA METHOD 8270 (TCLP 1311)

CLIENT	: EL PASO NATURAL GAS CO.	DATE SAMPLED	: 08/09/93
PROJECT #	: (NONE)	DATE RECEIVED	: 08/10/93
PROJECT NAME	: BLANCO PLT.	DATE EXTRACTED	: 08/11/93
CLIENT I.D.	: N30846 - "A" Cooling Tower Basin Sludge	DATE ANALYZED	: 08/16/93
SAMPLE MATRIX	: NON-AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 2

COMPOUNDS	RESULTS
O-CRESOL	<20
M & P-CRESOL	30 — Limit 200,000 ug/l
1,4-DICHLOROBENZENE	<20
2,4-DINITROTOLUENE	<20
HEXACHLOROBENZENE	<20
HEXACHLOROBUTADIENE	<20
HEXACHLOROETHANE	<20
NITROBENZENE	<20
PENTACHLOROPHENOL	<100
2,4,5-TRICHLOROPHENOL	<100
2,4,6-TRICHLOROPHENOL	<20
PYRIDINE	ND

SURROGATE PERCENT RECOVERIES

NITROBENZENE (%)	77
2-FLUOROBIPHENYL (%)	71
TERPHENYL (%)	48
PHENOL-D6 (%)	56
2-FLUOROPHENOL (%)	51
2,4,6-TRIBROMOPHENOL (%)	0*

* Result out of limits due to sample matrix interference

Acceptable. SK
No Constituent Failed TCLP Limits.
SK 9/4/93

O, M + P Cresols are common wood preservatives.

Analytical Technologies, Inc.

04015

METALS RESULTS

ATI I.D. : 308325

CLIENT : EL PASO NATURAL GAS CO. DATE RECEIVED : 08/10/93
PROJECT # : (NONE)
PROJECT NAME : BLANCO PLT. Skimmer A CT REPORT DATE : 08/27/93

PARAMETER	UNITS	01	02
SILVER (TCLP 1311/6010)	MG/L	<0.010	<0.010
ARSENIC (TCLP 1311/6010)	MG/L	<0.1	<0.1
BARIUM (TCLP 1311/6010)	MG/L	0.634	2.62
CADMIUM (TCLP 1311/6010)	MG/L	<0.005	<0.005
CHROMIUM (TCLP 1311/6010)	MG/L	0.123	0.240
MERCURY (TCLP 1311/7470)	MG/L	<0.0002	<0.0002
LEAD (TCLP 1311/6010)	MG/L	<0.10	<0.10
SELENIUM (TCLP 1311/6010)	MG/L	<0.1	<0.1

No Component failed TCLP Limits.

9/14/93

04015

Analytical Technologies, Inc.

METALS - QUALITY CONTROL

CLIENT : EL PASO NATURAL GAS CO.
PROJECT # : (NONE)
PROJECT NAME : BLANCO PLT. ATI I.D. : 308325

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
SILVER (IN TCLP)	MG/L	30864001	<0.010	<0.010	NA	0.943	1.00	94
ARSENIC (IN TCLP)	MG/L	30864001	<0.1	<0.1	NA	1.0	1.0	100
BARIUM (IN TCLP)	MG/L	30864001	0.693	0.696	0.4	1.66	1.00	97
CADMIUM (IN TCLP)	MG/L	30864001	<0.005	<0.005	NA	0.986	1.00	99
CHROMIUM (IN TCLP)	MG/L	30864001	<0.010	<0.010	NA	0.942	1.00	94
MERCURY (IN TCLP)	MG/L	30832501	<0.0002	<0.0002	NA	0.0049	0.0050	98
LEAD (IN TCLP)	MG/L	30864001	0.22	0.22	0	1.16	1.00	94
SELENIUM (IN TCLP)	MG/L	30864001	<0.1	<0.1	NA	1.0	1.0	100

Acceptable
9/4/93

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

04015

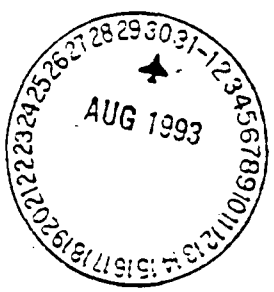
Analytical Technologies, Inc.

CLIENT : EL PASO NATURAL GAS CO.
PROJECT # : (NONE)
PROJECT NAME : BLANCO PLT.

DATE RECEIVED : 08/10/93
REPORT DATE : 08/27/93

ATI I.D. : 308325

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	N30845 - Skimmer Pond Sludge - Blanco Plt	NON-AQUEOUS	08/09/93
02	N30846 - "A" Cooling Tower Sludge - Blanco Plt	NON-AQUEOUS	08/09/93



----- TOTALS -----

MATRIX	# SAMPLES
NON-AQUEOUS	2

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

San Diego • Phoenix • Seattle • Pensacola • Ft. Collins • Portland • Albuquerque

DATE: 9-7-93 PAGE 1 OF 1

PLEASE FILL THIS FORM IN COMPLETELY. SHADED AREAS ARE FOR LAB USE ONLY.

PROJECT MANAGER: John Lambert

COMPANY: El Paso Nat Gas Co.

ADDRESS: 220 W. Main-30
Farmington N. Mex. 87401

PHONE: 505 599 2144

FAX: 505 599 2261

BILL TO: Same As Above

COMPANY:

ADDRESS:

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID
N30845	9-9-93	1310	Sludge	01
N30846	9-9-93	1315	Sludge	02

	N30845	N30846
Petroleum Hydrocarbons (418.1)		
(MOD 8015) Gas/Diesel		
Diesel/Gasoline/BTXE/MTBE (MOD 8015/8020)		
BTXE/MTBE (8020)		
Chlorinated Hydrocarbons (601/8010)		
Aromatic Hydrocarbons (602/8020)		
SDWA Volatiles (502.1/503.1), 502.2 Req. & Unreg.		
Pesticides/PCB (608/8080)		
Herbicides (615/8150)		
Base/Neutral/Acid Compounds GC/MS (625/8270)		
Volatile Organics GC/MS (624/8240)		
Polynuclear Aromatics (610/8310)		
SDWA Primary Standards - Arizona		
SDWA Secondary Standards - Arizona		
SDWA Primary Standards - Federal		
SDWA Secondary Standards - Federal		
TCLP - 8270/8240	X	
The 13 Priority Pollutant Metals		
RCRA Metals by Total Digestion		
RCRA Metals by TCLP (1311)	X	
# OF CONTAINERS	2	2

PROJECT INFORMATION

PROJ. NO.:

PROJ. NAME: Bloomfield

P.O. NO.:

SHIPPED VIA:

SAMPLE RECEIPT

NO. CONTAINERS	4
CUSTODY SEALS	Y / N / (NA)
RECEIVED INTACT	Y
RECEIVED COLD	Y

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK (NORMAL) ☐ 2 WEEK

Comments:

CHARGE TO:

108-52452-21-0001-0012-51-2010

SAMPLED & RELINQUISHED BY: 1

Signature: Roger E Bizzell Time: 1450

Printed Name: Roger E. Bizzell Date: 9-9-93

Company: El Paso Nat Gas. Phone: 505 599 2112

RELINQUISHED BY: 2

Signature: Time:

Printed Name: Date:

Company:

RELINQUISHED BY: 3

Signature: Time:

Printed Name: Date:

Company:

RECEIVED BY: 1

Signature: Time:

Printed Name: Date:

Company:

RECEIVED BY: 2

Signature: Time:

Printed Name: Date:

Company:

RECEIVED BY: (LAB) 3

Signature: Time: 1015

Printed Name: Terri Doane Date: 9/10/93

Analytical Technologies, Inc.

ATI Labs: San Diego (619) 458-9141 • Phoenix (602) 496-4400 • Seattle (206) 228-8335 • Pensacola (904) 474-1001 • Portland (503) 684-0447 • Albuquerque (505) 344-3777 DISTRIBUTION: White, Canary - ATI • Pink - ORIGINATOR

040

ATL Analytical Technologies, Inc. Albuquerque, NM

Chain of Custody

DATE 8/10/93 PAGE 1 OF 1

6405

NETWORK PROJECT MANAGER: BETH PROFFITT

COMPANY: Analytical Technologies, Inc.

ADDRESS: 2709-D Pan American Freeway, NE
Albuquerque, NM 87107

CLIENT PROJECT MANAGER:

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	TOX	TOC	ORGANIC LEAD	SULFIDE	SURFACTANTS (MBAS)	602/8020 MOD	8015 MOD	418.1/8310	BTEX (TCLP 1311)	8240 (TCLP 1311) ZHE	RCRA Metals by TCLP	Diesel/Gasoline/BTXE/MTBE/ (MOD 8015/8020)	Volatile Organics GC/MS (624/8240)	NACE	ASBESTOS	BOD	TOTAL COLIFORM	FECAL COLIFORM	GROSS ALPHA/BETA	RADIUM 226/228	AIR - O2, CO2, METHANE	AIR/Diesel/Gasoline/BTXE/ (MOD 8015/8020)	NUMBER CONTAINERS
308325-1	8/9/93	1300	SOIL	1									X	X	X												1
-2	8/9/93	1315	SOIL	2									X	X	X												1

PROJECT INFORMATION

PROJECT NUMBER: 308325

PROJECT NAME: EPN

QC LEVEL: (STD) IV

QC REQUIRED: MS MSD BLANK

TAT: STANDARD RUSH

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS	4
CHAIN OF CUSTODY SEALS	1
INTACT?	Y
RECEIVED GOOD COND./COLD	Y
LAB NUMBER	308325

DUE DATE: 8/21/93

RUSH SURCHARGE:

CLIENT DISCOUNT: 10 %

S.O.W. # 5584

SAMPLES SENT TO:

SAN DIEGO	
FT. COLLINS	
RENTON	
PENSACOLA	
PHOENIX	X
HARRINGER	
FIBERQUANT	

RELINQUISHED BY: 1.

Signature: Time:

Printed Name: Date: 8/11/93

Analytical Technologies, Inc.
Albuquerque

RECEIVED BY: (LAB) 1.

Signature: Time:

Printed Name: Date:

Company:

RELINQUISHED BY: 2.

Signature: Time:

Printed Name: Date

Company:

RECEIVED BY: (LAB) 2.

Signature: Time: 0950

Printed Name: Date: 8/11/93

Company: ATL

04015

Analytical Technologies, Inc.

GCMS - RESULTS

REAGENT BLANK

TEST : EPA METHOD 8240 (TCLP 1311)

CLIENT	: EL PASO NATURAL GAS CO.	ATI I.D.	: 308325
PROJECT #	: (NONE)	DATE EXTRACTED	: 08/11/93
PROJECT NAME	: BLANCO PLT.	DATE ANALYZED	: 08/18/93
CLIENT I.D.	: REAGENT BLANK	UNITS	: UG/L
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
BENZENE	<10
CARBON TETRACHLORIDE	<10
CHLOROBENZENE	<10
CHLOROFORM	<10
1,2-DICHLOROETHANE	<10
1,1-DICHLOROETHENE	<10
METHYL ETHYL KETONE	<100
TETRACHLOROETHENE	<10
TRICHLOROETHENE	<10
VINYL CHLORIDE	<10

SURROGATE PERCENT RECOVERIES

1,2-DICHLOROETHANE-D4 (%)	100
BROMOFLUOROBENZENE (%)	97
TOLUENE-D8 (%)	107

Accepted
R
8/4/93

64015

Analytical Technologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 308325

TEST : EPA METHOD 8240 (TCLP 1311)

CLIENT : EL PASO NATURAL GAS CO.
PROJECT # : (NONE)
PROJECT NAME : BLANCO PLT.
REF I.D. : 30849816

DATE ANALYZED : 08/18/93
SAMPLE MATRIX : NON-AQUEOUS
UNITS : UG/L

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
1,1-DICHLOROETHENE	<1	50	48	96	51	102	6
TRICHLOROETHENE	<1	50	44	88	46	92	4
CHLOROBENZENE	<1	50	49	98	50	100	2
BENZENE	<1	50	47	94	49	98	4

Accepted
9/14/93

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

04015

Analytical Technologies, Inc.

GCMS - RESULTS

REAGENT BLANK

TEST : EPA METHOD 8270 (TCLP 1311)

CLIENT	: EL PASO NATURAL GAS CO.	ATI I.D.	: 308325
PROJECT #	: (NONE)	DATE EXTRACTED	: 08/11/93
PROJECT NAME	: BLANCO PLT.	DATE ANALYZED	: 08/16/93
CLIENT I.D.	: REAGENT BLANK	UNITS	: UG/L
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
O-CRESOL	<20
M & P-CRESOL	<20
1,4-DICHLOROBENZENE	<20
2,4-DINITROTOLUENE	<20
HEXACHLOROBENZENE	<20
HEXACHLOROBUTADIENE	<20
HEXACHLOROETHANE	<20
NITROBENZENE	<20
PENTACHLOROPHENOL	<100
2,4,5-TRICHLOROPHENOL	<100
2,4,6-TRICHLOROPHENOL	<20
PYRIDINE	ND

SURROGATE PERCENT RECOVERIES

NITROBENZENE (%)	76
2-FLUOROBIPHENYL (%)	85
TERPHENYL (%)	80
PHENOL-D6 (%)	56
2-FLUOROPHENOL (%)	51
2,4,6-TRIBROMOPHENOL (%)	61

Acceptable.

9/4/93

Analytical Technologies, Inc.

04615

QUALITY CONTROL DATA

ATI I.D. : 308325

TEST : EPA METHOD 8270 (TCLP 1311)

CLIENT : EL PASO NATURAL GAS CO.
PROJECT # : (NONE)
PROJECT NAME : BLANCO PLT.
REF I.D. : 30832502

DATE ANALYZED : 08/16/93
SAMPLE MATRIX : NON-AQUEOUS
UNITS : UG/L

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
2,4-DINITROTOLUENE	<20	100	67	67	67	67	0
1,4-DICHLOROBENZENE	<20	100	55	55	53	53	4
PENTACHLOROPHENOL	<100	200	160	80	180	90	12
O-CRESOL	<20	200	120	60	120	60	0

Accepted
8
7/4/93

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

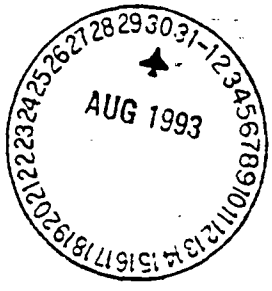
$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

04015

Analytical Technologies, Inc.

CLIENT : EL PASO NATURAL GAS CO. DATE RECEIVED : 08/10/93
PROJECT # : (NONE)
PROJECT NAME : BLANCO PLT. REPORT DATE : 08/27/93
ATI I.D. : 308325

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	N30845 - Skimmer Pond Sludge - Blanco Plt	NON-AQUEOUS	08/09/93
02	N30846 - "A" Cooling Tower Sludge - Blanco Plt	NON-AQUEOUS	08/09/93



----- TOTALS -----

MATRIX	# SAMPLES
NON-AQUEOUS	2

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

San Diego • Phoenix • Seattle • Pensacola • Ft. Collins • Portland • Albuquerque

DATE: 8-9-93 PAGE 1 OF 1

ATI LAB I.D.: 308325

PLEASE FILL THIS FORM IN COMPLETELY. SHADED AREAS ARE FOR LAB USE ONLY.

PROJECT MANAGER: John Lambdin

COMPANY: El Paso Nat Gas Co.
ADDRESS: 220 W. Navajo
Farmington N. Mex. 87401
PHONE: 505 599 2144
FAX: 505 599 2261

BILL TO: Same As Above
COMPANY:
ADDRESS:

SAMPLE ID	DATE	TIME	MATRIX	LAB ID
N30845	8-9-93	1300	Sludge	01
N30846	8-9-93	1315	Sludge	02

ANALYSIS REQUEST

Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE/MTBE (MOD 8015/8020)	BTXE/MTBE (8020)			Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.			Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)			SDWA Primary Standards - Arizona	SDWA Secondary Standards - Arizona	SDWA Primary Standards - Federal	SDWA Secondary Standards - Federal	TCLP - 8270/8240		The 13 Priority Pollutant Metals	RCRA Metals by Total Digestion	RCRA Metals by TCLP (1311)	# OF CONTAINERS
																						X			X	2
																						X			X	2

PROJECT INFORMATION

PROJ. NO.:
PROJ. NAME: Bloomfield
P.O. NO.:
SHIPPED VIA:

SAMPLE RECEIPT

NO. CONTAINERS	4
CUSTODY SEALS	Y / N / (NA)
RECEIVED INTACT	Y
RECEIVED COLD	Y

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☒ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK (NORMAL) ☐ 2 WEEK

Comments:
CHARGE TO:
108-52452-24-0001-0012-51-2010

SAMPLED & RELINQUISHED BY: 1.
Signature: Roger E. Burr Time: 1450
Printed Name: Roger E. Burr Date: 8-9-93
Company: El Paso Nat Gas. Phone: 505 599 2112

RELINQUISHED BY: 2.
Signature: Time:
Printed Name: Date:
Company:

RELINQUISHED BY:
Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: 1.
Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: 2.
Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: (LAB) 3.
Signature: Time: 1015
Printed Name: Date: 8/10/93
Analytical Technologies, Inc.

ATI Labs: San Diego (619) 458-9141 • Phoenix (602) 496-4400 • Seattle (206) 228-8335 • Pensacola (904) 474-1001 • Portland (503) 684-0447 • Albuquerque (505) 344-3777 DISTRIBUTION: White, Canary - ATI • Pink - ORIGINATOR

S1040

Analytical Technologies, Inc. Albuquerque, NM

Chain of Custody

DATE 8/10/93 PAGE 1 OF 1

NETWORK PROJECT MANAGER: BETH PROFFITT

COMPANY: Analytical Technologies, Inc.
ADDRESS: 2709-D Pan American Freeway, NE
Albuquerque, NM 87107

CLIENT PROJECT MANAGER:

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	TOX	TOC	ORGANIC LEAD	SULFIDE	SURFACTANTS (MBAS)	632/532 MOD	619/619 MOD	610/8310	BTEX (TCLP 1311)	8240 (TCLP 1311) ZHE	RCRA Metals by TCLP	Diesel/Gasoline/BTXE/MTBE/ (MOD 8015/8020)	Volatile Organics GC/MS (624/8240)	NACE	ASBESTOS	BOD	TOTAL COLIFORM	FECAL COLIFORM	GROSS ALPHA/BETA	RADIUM 226/228	AIR - O2, CO2, METHANE	AIR/Diesel/Gasoline/BTXE/ (MOD 8015/8020)	NUMBER CONTAINERS
308325-1	8/9/93	1300	SOIL	1									X	X	X												2
-2	8/9/93	1315	SOIL	2									X	X	X												2

PROJECT INFORMATION

PROJECT NUMBER: 308325
PROJECT NAME: EPN
QC LEVEL: ~~STD~~ IV
QC REQUIRED: MS MSD BLANK
TAT: STANDARD RUSH

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS	4
CHAIN OF CUSTODY SEALS	N
INTACT?	Y
RECEIVED GOOD COND./COLD	Y
LAB NUMBER	308325

DUE DATE: 8/24/93
RUSH SURCHARGE:
CLIENT DISCOUNT: 10 %

W.O.# 14584

SAMPLES SENT TO:
SAN DIEGO
FT. COLLINS
RENTON
PENSACOLA
PHOENIX X
BARRINGER
FIBERQUANT

RELINQUISHED BY: 1.
Signature: Terri Dettre Time: 1330
Printed Name: Terri Dettre Date: 8/10/93
Analytical Technologies, Inc.
Albuquerque

RECEIVED BY: (LAB) 1.
Signature: Time:
Printed Name: Date:
Company:

RELINQUISHED BY: 2.
Signature: Time:
Printed Name: Date
Company:

RECEIVED BY: (LAB) 2.
Signature: Rosella Vidal Time: 0950
Printed Name: Rosella Vidal Date: 8/11/93
Company: ATI

ATI Labs: San Diego (619) 458-9141 • Phoenix (602) 496-4400 • Seattle (206) 228-8335 • Pensacola (904) 474-1001 • Portland (503) 684-0447 • Albuquerque (505) 344-3777 DISTRIBUTION: White, Canary - ATI • Pink - ORIGINATOR

Rec 20 cy 2/8/94 LF#2 C-24 92197

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXXX

1. RCRA Exempt: ☒ Non-Exempt: ☐
   Verbal Approval Received: Yes ☒ No ☐
4. Generator: Meridian
2. Destination: Landfarm #2
5. Name of Originating Site: Val Verde Plant
3. Address of Facility Operator: 5796 US Hwy 64-3014 Farmington, N.M. 87401
6. Name of Transporter: ENVIROTECH
7. Location of Material (Street Address or ULSTR): Meridian Val Verde Plant A-14-29N-11W NMPM
8. State: New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

Contamination of Charcoal Filter Media

RECEIVED
FEB 11 1994
OIL CON. DIV.
DIST. 3

Hauled by R. Lutz
E-48

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

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

SIGNATURE Robert M Young TITLE Landfarm Supervisor DATE 2/11/94

TYPE OR PRINT NAME ROBERT M. YOUNG TELEPHONE NO. 632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 2/14/94

APPROVED BY Jim Bush TITLE Geo DATE 2/14/94

CONDITIONS OF APPROVAL, IF ANY:

92197
LP2-C24
Bol 4503
Rec 2/8/94
20cy

Envirotech Exempt Waste Manifest
Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

Safety and Environmental

1. Waste Location: Lease/Well No. Val Verde Plant

2. Volume: 20 Cubic Yards ✓ Barrels _____ Gallons

3. Description of Waste: charcoal filter media

4. Method of Waste Generation: MDEA filtration

5. Disposal Cost: $18/yd

6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal [signature] Date 2/8/94
(signature)

MOI Representative

Transportation Company: Envirotech

Date(s) Transported: 2-8-94

MOI Representative on Site [signature] Date 2-8-94
(signature)

Envirotech
Complete and return to Meridian Safety and Environmental with invoice.

Date(s) Received: 2-8-94

Total Volume Received: 20 yds

Waste Location : Cell/Grid No. C 24

Received By : [signature]
(signature)

LF 2-C
BOL 4503
Rec 2/8/94
20 cy LF2-C24

92197

CERTIFICATE OF WASTE TRANSPORT

Originating Location: Meridian Val Verde Plant

Source of Contamination: Contaminated Charcoal Filter Media

Generator: Meridian

Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ **Landfarm #2** +

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Robert M Young

Company: Envirotech

Signature: Robert M Young

Date: 2-8-94

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXXX

1. RCRA Exempt: Non-Exempt: ☐
   Verbal Approval Received: Yes ☑ 1 2 9 No ☐
2. Destination Envirotech Land Farm #2
3. Address of Facility Operator 5796 - 3014 Hwy 64 Farmington NM
4. Generator Meridian Oil Co
5. Name of Originating Site Grath Injection
6. Name of Transporter
7. Location of Material (Street Address or ULSTR) B-34-. 0 - 2 Grath Injection Well
8. State NM
9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

Oil Sludge from Injection Well

RECEIVED
FEB - 3 1994
OIL CON. DIV.
DIST. 3

Estimated Volume 480 cy Known Volume (to be entered by the operator at the end of the haul): 480 bbls cy

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

SIGNATURE Harvey Johnson TITLE Land Farm Mgr. DATE 1/24/9

TYPE OR PRINT NAME Harvey R Johnson TELEPHONE NO. 632 0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 2/4/94

APPROVED BY Ernie Busch TITLE Geo DATE 2/4/94

CONDITIONS OF APPROVAL, IF ANY:

Envirotech Exempt Waste Manifest

Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

Safety and Environmental

1. Waste Location: Lease/Well No. McGrath SWD #4

2. Volume: _____ Cubic Yards 480 Barrels _____ Gallons

3. Description of Waste: Filtered sludge & solids mixture Free liquids will be mixed into a soil matrix for landfarm application.

4. Method of Waste Generation: Solids separation from incoming fluids to be disposed of in an injection we

5. Disposal Cost: $18 / cu. yd.

6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal C. J. Bowl (signature) Date 1-23-94

MOI Representive

Transportation Company: Sunco Trucking

Date(s) Transported: 1/24

MOI Representative on Site Billy C. Dueler (signature) Date 1/24/94

Envirotech
Complete and return to Meridian Safety and Environmental with invoice.

Date(s) Received: 1/24

Total Volume Received: 48 Barrels

Waste Location : Cell/Grid No. Land Farm #2 Envirotech

Received By : Jeremy McDaniel (signature)

92117-06

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒ '93 DEC 29 AM 9 29	4. Generator El Paso Natural Gas Co.
2. Destination Landfarm # 2 - Envirotech Soil Remediation Facility Hilltop, New Mexico	5. Name of Originating Site Largo Plant
3. Address of Facility Operator 5796 US Highway 64-3014, Farmington, NM 87401	6. Name of Transporter El Paso or Heng Armenta
7. Location of Material (Street Address or ULSTR) Largo Plant - SW/4 S15, T26N, R07W Rio Arriba County	8. State New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated Soil from overflow of basement drains at Compressor Station. TCLP Results Attached

RECEIVED
DEC 27 1993
OIL CON. DIV.
DIST. 3

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

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

SIGNATURE Robert M Young TITLE Landfarm Supervisor DATE 12/27/93

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 12/28/93

APPROVED BY Kathy M. Brown TITLE Geologist DATE 1/7/94

CONDITIONS OF APPROVAL, IF ANY: Sample 31019-4 TCLP Semi volatile organics has marginal recoveries
Santa Fe 12/28/93

Kathy Brown 4-17-06

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒	4. Generator El Paso Natural Gas Co.
2. Destination Landfarm # 2 - Enviro-Tech Soil Remediation Facility Hilltop, New Mexico	5. Name of Originating Site Largo Plant
3. Address of Facility Operator 5796 US Highway 64-3014, Farmington, NM 87401	6. Name of Transporter El Paso or Hearn Armenta
7. Location of Material (Street Address or ULSTR) Largo Plant. SW/4 S15, T26N, R07W Rio Arriba County	8. State New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated Soil from overflow of basement drains at Compressor Station. TCLP Results Attached

OIL CONSERVATION DIVISION RECEIVED '94 JAN 27 AM 10 03

RECEIVED JAN 28 1994 OIL CON. DIV DIST. 3

RECEIVED DEC 27 1993 OIL CON. DIV. DIST. 3

Estimated Volume 10 cy Known Volume (to be entered by the operator at the end of the haul): 76 cy

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

SIGNATURE Robert M Young TITLE Landfarm Supervisor DATE 12/27/93

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny Foust TITLE Geologist DATE 12/28/93

APPROVED BY Kathy M Brown TITLE Geologist DATE 1/27/94

CONDITIONS OF APPROVAL, IF ANY:

Sent Santa Fe 12/28/93 Sample 31019-4 TCLP semi volatile organics has marginal recoveries

Sent 2nd copy 1/26/93

92117-06

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒	4. Generator El Paso Natural Gas Co.
2. Destination Hilltop, New Mexico Landfarm # 2 - Envirotech Soil Remediation Facility	5. Name of Originating Site Largo Plant
3. Address of Facility Operator 5796 US Highway 64-3014, Farmington, NM 87401	6. Name of Transporter El Paso or Henry Armenta
7. Location of Material (Street Address or ULSTR) Largo Plant - SW/4 S15, T26N, R07W Rio Arriba County	8. State New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated Soil from overflow of basement drains at Compressor Station. TCLP Results Attached

RECEIVED
DEC 27 1993
OIL CON. DIV.
DIST. 3

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

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

SIGNATURE Robert M Young TITLE Landfarm Supervisor DATE 12/27/93

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny Foust TITLE Geologist DATE 12/28/93

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Sent Santa Fe 12/28/93 Sample 31019-4 TCLP Semi volatile organics has marginal recoveries

92117-06

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

Originating Location: Largo Plant - Southeast Oil Spill Area - EPNG -

Source: Contaminated Soil from Compressor station pigment drain overflow.

Disposal Location: Envirotech Soil Remediation Facility. (ESRF) Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardcus waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for ~~the~~ El Paso Natural Gas Co. concur with the status of the waste from the subject site.

Name Ann Pundari

Title/Agency Sr. Compliance Engineer
El Paso Natural Gas

Address P.O. Box 4990
Farmington, NM 87499

Signature Ann Pundari

Date 12/27/93

SOUND ANALYTICAL SERVICES, INC.

92117-06

Burlington Environmental, Seattle Facility
Project: El Paso

Lab No. 31019
April 12, 1993

Large Plant
Southeast Oil Spill Area
L1

Lab Sample No. 31019-3 Client ID: N30340
Matrix: Soil 45847-3

Toxicity Characteristic Leaching Procedure (TCLP) Method 1311

ICP Metals by Method 6010
Date Extracted: 4-5-93
Date Analyzed: 4-8-93

Contaminant	Concentration (mg/l)	PQL	Max Conc., (mg/l)
Arsenic	ND	0.1	5.0
Barium	1.0	0.005	100.0
Cadmium	ND	0.005	1.0
Chromium	ND	0.01	5.0
Lead	ND	0.05	5.0
Selenium	ND	0.1	1.0
Silver	ND	0.1	5.0

Mercury by Cold Vapor AA Method 7470
Date Analyzed: 4-6-93

Contaminant	Concentration (mg/l)	PQL	Max Conc., (mg/l)
Mercury	ND	0.002	0.2

ND - Not Detected
PQL - Practical Quantitation Limit

Continued . . .

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SOUND ANALYTICAL SERVICES, INC.

92117-06

Burlington Environmental, Seattle Facility
Project: El Paso

Lab No. 31019
April 12, 1993

Lab Sample No. 31019-4 Client ID: N30341
Matrix: Soil 45847-4

Toxicity Characteristic Leaching Procedure (TCLP) Method 1311

ICP Metals by Method 6010
Date Extracted: 4-5-93
Date Analyzed: 4-8-93

Contaminant	Concentration (mg/l)	PQL	Max Conc., (mg/l)
Arsenic	ND	0.1	5.0
Barium	0.84	0.005	100.0
Cadmium	ND	0.005	1.0
Chromium	ND	0.01	5.0
Lead	ND	0.05	5.0
Selenium	ND	0.1	1.0
Silver	ND	0.1	5.0

Mercury by Cold Vapor AA Method 7470
Date Analyzed: 4-6-93

Contaminant	Concentration (mg/l)	PQL	Max Conc., (mg/l)
Mercury	ND	0.002	0.2

ND - Not Detected
PQL - Practical Quantitation Limit

Continued . . .

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92117-06

Metals Laboratory Report

Lab Number : 45847

Plant/Generator Name : EL PASO NATURAL GAS - LARGO PLANT AUDIT
Sample Type : WATER, SOIL, OIL
Date of Receipt : 03/25/93 Analyst: BLW/EL/BB
Date of Report : 04/20/93 QC Checked:
Parameters for Analysis: TOTAL & TCLP METALS
Outside Lab : NONE Outside Lab Report No:

TCLP METALS BY SW-846 1311, 6010, 7470.

South East Oil Spill Area - LI

Metals:	PREP BLANK TCLP	TCLP LCS % RECOVERY	45847-3 TCLP N30340	45847-3 DUP N30340-DUP
Silver	<0.010	97.1	<0.010	<0.010
Arsenic	<0.10	91.1	<0.10	<0.10
Barium	<0.20	95.1	1.0	1.0
Cadmium	<0.005	102.1	<0.005	<0.005
Chromium	<0.010	103.3	<0.010	<0.010
Mercury	<0.002	76.4	<0.002	<0.002
Lead	<0.050	103.9	<0.050	<0.050
Selenium	<0.20	94.2	<0.20	<0.20

QA/QC Acceptable
5/19/93

Comments and Conclusions:

RESULTS REPORTED AS MG/L IN TCLP EXTRACT.

92117-06

Metals Laboratory Report

Lab Number : 45847

Plant/Generator Name : EL PASO NATURAL GAS - LARGO PLANT AUDIT
Sample Type : WATER, SOIL, OIL
Date of Receipt : 03/25/93 Analyst: BLW/EL/BB
Date of Report : 04/20/93 QC Checked:
Parameters for Analysis: TOTAL & TCLP METALS
Outside Lab : NONE Outside Lab Report No:

TCLP METALS BY SW-846 1311, 6010, 7470.

Metals:	45847-4 N30341	TCLP % SPIKE RECOVERY
Silver	<0.010	95.6
Arsenic	<0.10	97.6
Barium	0.83	94.7
Cadmium	<0.005	101.2
Chromium	<0.010	99.0
Mercury	<0.002	99.0
Lead	<0.050	95.6
Selenium	<0.20	106.2

QA/QC Acceptable
5/19/93

Comments and Conclusions:

RESULTS REPORTED AS MG/L IN TCLP EXTRACT.

SOUND ANALYTICAL SERVICES, INC.

92117-06

Burlington Environmental, Seattle Facility
Project: El Paso
Page 9 of 38
Lab No. 31019
April 12, 1993

Large Plant
Southeast oil Spill
Area L1

Lab Sample No. 31019-3 Client ID: N30340
Matrix: Soil 45847-3

Toxicity Characteristic Leaching Procedure (TCLP) Method 1311
Volatile Organics per EPA SW-846 Method 8240
Date Extracted: 4-5-93
Date Analyzed: 4-8-93

Compound	Concentration (mg/l)	PQL (mg/l)	Max. Conc. (mg/l)	Flags
Vinyl Chloride	ND	0.010	0.2	
Chloroform	ND	0.005	6.0	
1,2-Dichloroethane	ND	0.005	0.5	
Carbon Tetrachloride	ND	0.005	0.5	
Benzene	ND	0.005	0.5	
Chlorobenzene	ND	0.005	100	
1,1-Dichloroethylene	ND	0.005	0.7	
Methyl Ethyl Ketone	0.002	0.025	200	J
Tetrachloroethylene	0.002	0.005	0.7	B1, J
Trichloroethylene	0.001	0.005	0.5	B1, J

ND - Not Detected
PQL - Practical Quantitation Limit

Volatile Surrogates

Surrogate	Percent Recovery	Control Limits
Toluene - D8	101	88 - 110
Bromofluorobenzene	88	86 - 115
1,2-Dichloroethane D4	98	76 - 114

Continued . . . .

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SOUND ANALYTICAL SERVICES, INC.

92117-04

Burlington Environmental, Seattle Facility
Project: El Paso
Page 13 of 38
Lab No. 31019
April 12, 1993

Large Plant
Southeast 61 Spill Area
L2

Lab Sample No. 31019-4 Client ID: N30341
Matrix: Soil 45847-4

Toxicity Characteristic Leaching Procedure (TCLP) Method 1311
Volatile Organics per EPA SW-846 Method 8240
Date Extracted: 4-5-93
Date Analyzed: 4-8-93

Compound	Concentration (mg/l)	PQL (mg/l)	Max. Conc. (mg/l)	Flags
Vinyl Chloride	ND	0.010	0.2	
Chloroform	ND	0.005	6.0	
1,2-Dichloroethane	ND	0.005	0.5	
Carbon Tetrachloride	ND	0.005	0.5	
Benzene	ND	0.005	0.5	
Chlorobenzene	ND	0.005	100	
1,1-Dichloroethylene	ND	0.005	0.7	
Methyl Ethyl Ketone	ND	0.025	200	
Tetrachloroethylene	0.004	0.005	0.7	B1, J
Trichloroethylene	0.002	0.005	0.5	B1, J

ND - Not Detected
PQL - Practical Quantitation Limit

Volatile Surrogates

Surrogate	Percent Recovery	Control Limits
Toluene - D8	104	88 - 110
Bromofluorobenzene	85	86 - 115
1,2-Dichloroethane D4	102	76 - 114

Continued . . . .

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SOUND ANALYTICAL SERVICES, INC.

92117-06

Burlington Environmental, Seattle Facility
Project: El Paso

Lab No. 31019
April 12, 1993

Lago Plant
Southeast Oil Spill Area

Lab Sample No. 31019-3 Client ID: N30340
Matrix: Soil 45847-3 L1

Toxicity Characteristic Leaching Procedure (TCLP) Method 1311
Semivolatile Organics per EPA SW-846 Method 8270
Date Extracted: 4-5-93
Date Analyzed: 4-7-93

Compound	Concentration (mg/l)	PQL (mg/l)	Max. Conc. (mg/l)	Flags
1,4-Dichlorobenzene	ND	0.020	7.5	
Hexachloroethane	ND	0.020	3.0	
Nitrobenzene	ND	0.020	2.0	
Hexachlorobutadiene	ND	0.020	0.5	
2,4,6-Trichlorophenol	ND	0.020	2.0	
2,4,5-Trichlorophenol	ND	0.020	400	
2,4-Dinitrotoluene	ND	0.020	0.13	
Hexachlorobenzene	ND	0.020	0.13	
Pentachlorophenol	ND	0.098	100	
o-Cresol	ND	0.020	200	
m & p-Cresol	ND	0.020	200	
Pyridine	ND	0.020	5.0	

ND - Not Detected
PQL - Practical Quantitation Limit

Semi-Volatile Surrogates

Surrogate Compound	Percent Recovery	Control Limits Water	Soil
d_5-Nitrobenzene	79	35 - 114	23 - 120
2-Fluorobiphenyl	63	43 - 116	30 - 115
d_{14}-p-Terphenyl	73	33 - 141	18 - 137
d_6-Phenol	52	10 - 94	24 - 113
2-Fluorophenol	67	21 - 100	25 - 121
2,4,6-Tribromophenol	74	10 - 123	19 - 122

Continued . . . .

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SOUND ANALYTICAL SERVICES, INC.

92117-06

Burlington Environmental, Seattle Facility
Project: El Paso

Lab No. 31019
April 12, 1993

Lab Sample No. 31019-4 Client ID: N30341
Matrix: Soil 45847-4

Toxicity Characteristic Leaching Procedure (TCLP) Method 1311
Semivolatile Organics per EPA SW-846 Method 8270
Date Extracted: 4-5-93
Date Analyzed: 4-7-93

Compound	Concentration (mg/l)	PQL (mg/l)	Max. Conc. (mg/l)	Flags
1,4-Dichlorobenzene	ND	0.018	7.5	
Hexachloroethane	ND	0.018	3.0	
Nitrobenzene	ND	0.018	2.0	
Hexachlorobutadiene	ND	0.018	0.5	
2,4,6-Trichlorophenol	ND	0.018	2.0	
2,4,5-Trichlorophenol	ND	0.018	400	
2,4-Dinitrotoluene	ND	0.018	0.13	
Hexachlorobenzene	ND	0.018	0.13	
Pentachlorophenol	ND	0.091	100	
o-Cresol	ND	0.018	200	
m & p-Cresol	ND	0.018	200	
Pyridine	ND	0.018	5.0	

ND - Not Detected
PQL - Practical Quantitation Limit

Semi-Volatile Surrogates

Surrogate Compound	Percent Recovery	Control Limits Water	Soil
d_5-Nitrobenzene	77	35 - 114	23 - 120
2-Fluorobiphenyl	65	43 - 116	30 - 115
d_{14}-p-Terphenyl	66	33 - 141	18 - 137
d_6-Phenol	49	10 - 94	24 - 113
2-Fluorophenol	65	21 - 100	25 - 121
2,4,6-Tribromophenol	74	10 - 123	19 - 122

Continued . . . .

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SOUND ANALYTICAL SERVICES, INC.

92117-06

Burlington Environmental, Seattle Facility
Project: El Paso

Lab No. 31019
April 12, 1993

Large Plant Southeast Oil Spill Area
LJ

Lab Sample No. 31019-3 Client ID: N30340
Matrix: Soil 45847-3

Toxicity Characteristic Leaching Procedure (TCLP) Method 1311
PCB'S Per EPA Method 8080
Date Extracted: 4-5-93
Date Analyzed: 4-7-93

PCB Compounds	Concentration, ug/L	PQL
Aroclor 1016	ND	0.1
Aroclor 1221	ND	0.1
Aroclor 1232	ND	0.1
Aroclor 1242	ND	0.1
Aroclor 1248	ND	0.1
Aroclor 1254	ND	0.1
Aroclor 1260	ND	0.1

SURROGATE RECOVERY, %	
2,4,5,6-Tetrachloro-m-xylene	104
Decachlorobiphenyl	96

PQL - Practical Quantitation Limit
ND - Not Detected

Continued . . .

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SOUND ANALYTICAL SERVICES, INC.

92117-06

Burlington Environmental, Seattle Facility
Project: El Paso

Lab No. 31019
April 12, 1993

Lab Sample No. 31019-4 Client ID: N30341
Matrix: Soil 45847-4

Toxicity Characteristic Leaching Procedure (TCLP) Method 1311
PCB'S Per EPA Method 8080
Date Extracted: 4-5-93
Date Analyzed: 4-7-93

PCB Compounds	Concentration, ug/L	PQL
Aroclor 1016	ND	0.1
Aroclor 1221	ND	0.1
Aroclor 1232	ND	0.1
Aroclor 1242	ND	0.1
Aroclor 1248	ND	0.1
Aroclor 1254	ND	0.1
Aroclor 1260	ND	0.1

SURROGATE RECOVERY, %	
2,4,5,6-Tetrachloro-m-xylene	122
Decachlorobiphenyl	96

PQL - Practical Quantitation Limit
ND - Not Detected

Continued . . .

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2c 1/4 14 132c 1 Box 4470 LF2-N1 2c 1 1 H 292 cyds Box 4465 LF2 N4,N5 92117

REQUEST FOR APPR[illegible] TO ACCEPT SOLID WASTE

xxxxxxxxxxxxxxxxxxxxxxx

1. RCRA Exempt: Non-Exempt: ☐
   Verbal Approval Received: Yes ☑ No ☐
   Donn 1 6 9

2. Destination
   Envirotech

3. Address of Facility Operator
   5796 [illegible] 64-3014

4. Generator moco wel
   El Paso N. Gas Co.

5. Name of Originating Site
   2 inch G-1

6. ame of Transporter
   ucca

7. Location of Material (Street Address or ULSTR)
   artine G-1 Section 2 - T29N - R10W

8. tate
   New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

Dehy Pit

RECEIVED
JAN 14 1994
OIL CON. DIV.
DIST. 3

N-1,2,3,4,5

Estimated Volume 250 cy Known Volume (to be entered by the operator at the end of the haul): 776 cy

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

SIGNATURE Harvey R Johnson TITLE Land Farm Mgr. DATE 1/6/94

TYPE OR PRINT NAME Harvey R Johnson TELEPHONE NO. 632 0615

(This space for State Use)

APPROVED BY Denny Foust TITLE Geologist DATE 1/14/94

APPROVED BY Ernie Busch TITLE Geo DATE 1/20/94

CONDITIONS OF APPROVAL, IF ANY:

100

92117

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

Rec 1/7/94 136cyds BOL 4463 LF2-N1
Rec 1/8/94 132cy BOL 4470 LF2-N1
Rec 1/10/94 216cy BOL 4464 LF2-N2, N3
Rec 1/11/94 292 cy BOL 4465 LF2-N3, N4, N5

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: Martinez GT - Meter Code 75333 - Sec 24 - T29N - R10W

Source: Dehydrator Pit

Disposal Location: Envirotech Soil Remediation Facility, (ESRF) Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for the El Paso Natural Gas concur with the status of the waste from the subject site.

Name Anu Pundari

Title/Agency Sr. Compliance Engineer

Address P.O. Box 4990
Farmington, NM 87499

Signature Anu Pundari

Date 1/6/93

RECEIVED
JAN 14 1994
ON. DIV.
DIST. 3

216 cyds Boc 4464 LF2-N2,N3

136 cyds Boc 4465 LF2-N-1

Rec 1/5 132 cyd Boc 44 LF2-N1

92117

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

Rec 1/11/94 292cyds Boc 4465 LF2-N3,N4,N5

CERTIFICATE OF WASTE TRANSPORT

Originating Location: Martinez G-1

Source of Contamination: Dehy Pit

Generator: El Paso Nat. Gas Co.

Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ **Landfarm #2** X

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Henry Armenta

Company: Vacca

Signature: _____

Date: 1/6/94

Roger Anderson 92131

REQUEST FOR APPRO... TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒	4. Generator Meridian Oil Inc.
2. Destination Landfarm #2, Envirotech Soil Remediation Facility, Hilltop New Mex	5. Name of Originating Site Storage 1 Facility
3. Address of Facility Operator 5796 US Highway 64-3014, Farmington, NM 87401	6. Name of Transporter Meridian
7. Location of Material (Street Address or ULSTR) NW/4 NW/4, S25, T31N, R10W	8. State New Mexico

OIL CONSERVATION DIVISION RECEIVED '94 JAN 10 AM 8 46

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated Soils From Tank overfill.

RECEIVED JAN 14 1994 OIL CON. DIV DIST. 3

RECEIVED JAN 07 1994 OIL CON. DIV. DIST. 3

Estimated Volume 60 cy Known Volume (to be entered by the operator at the end of the haul): 115 cy

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

SIGNATURE Robert M Young TITLE Landfarm Supervisor DATE 1/5/94

TYPE OR PRINT NAME ROBERT M. YOUNG TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 1/7/94

APPROVED BY Kathy Brown TITLE Geologist DATE 1/11/94

CONDITIONS OF APPROVAL, IF ANY:

Crude Oil from Hart Canyon Storage #1 Facility run by Meridian Transportation

Roger Anderson 92131

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒	4. Generator Meridian Oil Inc.
2. Destination Landfarm #2, Envirotech Soil Remediation Facility, Hilltop New Mex	5. Name of Originating Site Storage 1 Facility
3. Address of Facility Operator 5796 US Highway 64-3014, Farmington, NM 87401	6. Name of Transporter Meridian
7. Location of Material (Street Address or ULSTR) NW/4 NW/4, S25, T31N, R10W	8. State New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated Soils From Tank overfill.

RECEIVED
JAN 07 1994
OIL CON. DIV.
DIST. 3

Estimated Volume 60 cy Known Volume (to be entered by the operator at the end of the haul): _____ cy

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

SIGNATURE Robert M. Young TITLE Landfarm Supervisor DATE 1/5/94

TYPE OR PRINT NAME ROBERT M. YOUNG TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Faust TITLE Geologist DATE 1/7/94

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Crude from Hart Canyon storage #1 Facility run by Meridian Transportat

1/7/93

92131

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

Originating Location: STORAGE 1 FACILITY

Source: Meridian Oil Inc - Tank Overfill.

Disposal Location: Envirotech Soil Remediation Facility, (ESRF) Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR,Part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for ~~the~~ Meridian Oil Inc. concur with the status of the waste from the subject site.

Name C A Bock

Title/Agency Assoc. Environmental Representative

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

Signature Craig A. Bock

Date 11/05/94

ENVIRO-TECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	Meridian	Project #:	92131
Sample ID:	Stockpile Comp.	Date Reported:	12-29-93
Laboratory Number:	6685	Date Sampled:	12-27-93
Sample Matrix:	Soil	Date Received:	12-27-93
Preservative:	Cool	Date Extracted:	12-27-93
Condition:	Cool & Intact	Date Analyzed:	12-28-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
2-Butanone	0.019	0.007	200
1,1-Dichloroethene	ND	0.008	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	0.354	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.006	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	99 %
Bromofluorobenzene	102 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments: Storage 1 Facility - Hart Canyon
5-Point Stockpile Composite

Analyst

Review

ENV ROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	Meridian	Project #:	92131
Sample ID:	Stockpile Comp.	Date Reported:	12-30-93
Laboratory Number:	6685	Date Sampled:	12-27-93
Sample Matrix:	Soil	Date Received:	12-27-93
Preservative:	Cool	Date Extracted:	12-27-93
Condition:	Cool & Intact	Date Analyzed:	12-30-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.020	100.0

SURROGATE RECOVERY	Parameter	Percent Recovery
	2-fluorophenol	97 %
	2,4,6-tribromophenol	102 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments: Storage 1 Facility - Hart Canyon
5-Point Stockpile Composite

Analyst

Review

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	Meridian	Project #:	92131
Sample ID:	Stockpile Comp.	Date Reported:	12-30-93
Laboratory Number:	6685	Date Sampled:	12-27-93
Sample Matrix:	Soil	Date Received:	12-27-93
Preservative:	Cool	Date Extracted:	12-27-93
Condition:	Cool and Intact	Date Analyzed:	12-29-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-initrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:

Parameter	Percent Recovery
2-fluorobiphenyl	96.8 %

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments: Storage 1 Facility - Hart Canyon
5-Point Sockpile Composite

Analyst

Review

ENV RO' 'ECH _ABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Meridian	Project #:	92131
Sample ID:	Stockpile Comp.	Date Reported:	12-29-93
Laboratory Number:	6685	Date Sampled:	12-27-93
Sample Matrix:	Soil	Date Received:	12-27-93
Preservative:	Cool	Date Analyzed:	12-29-93
Condition:	Cool & Intact	Date Extracted:	12-27-93
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	ND	0.001	5.000
BARIUM	2.3	0.1	100.0
CADMIUM	0.003	0.001	1.000
CHROMIUM	ND	0.001	5.000
LEAD	0.013	0.001	5.000
MERCURY	0.005	0.002	0.200
SELENIUM	ND	0.001	1.000
SILVER	ND	0.01	5.00

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

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

ND - Parameter not detected at the stated detection limit.

Comments: Storage 1 Facility - Hart Canyon
5-Point Stockpile Composite

Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

RCRA CHARACTERISTICS

Client:	Meridian	Project #:	92131
Sample ID:	5-point Stockpile Comp.	Date Reported:	12-27-93
Lab ID#:	6685	Date Sampled:	12-27-93
Sample Matrix:	Soil	Date Received:	12-27-93
Preservative:	Cool	Date Analyzed:	12-27-93
Condition:	Cool & Intact		

IGNITABILITY: Did not ignite upon direct contact with flame after heating to 60°c.

CORROSIVITY: pH of 7.64

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

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: ≤ pH 2 or ≥ pH 12.5 is hazardous waste.

Storage 1 Facility - Hart Canyon

Analyst

Reviewed

ENVIROTECH LABORATORIES

5796 U.S. HIGHWAY 64-3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	12-29-93
Laboratory Number:	1228TCV.BLK	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	12-28-93
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
2-Butanone	ND	0.007	200
1,1-Dichloroethene	ND	0.008	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.006	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	101 %
Bromofluorobenzene	99 %

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIRO-TECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	12-29-93
Laboratory Number:	1227TCV.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	12-27-93
Condition:	Cool & Intact	Date Analyzed:	12-28-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
2-Butanone	ND	0.007	200
1,1-Dichloroethene	ND	0.008	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.006	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	96 %
Bromofluorobenzene	99 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank

Analyst

Review

ENVIRO-TECH LABS
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EPA METHOD 8040
PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	12-30-93
Laboratory Number:	1230TCA.BLK	Date Sampled:	NA
Sample Matrix:	2-Propanol	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	12-30-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.020	100.0

SURROGATE RECOVERY

Parameter	Percent Recovery
2-fluorophenol	100 %
2,4,6-tribromophenol	97 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS
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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	12-30-93
Laboratory Number:	1229TBN.BLK	Date Sampled:	NA
Sample Matrix:	Hexane	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	12-29-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:

Parameter	Percent Recovery
2-fluorobiphenyl	97.5 %

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	12-30-93
Laboratory Number:	1227TCA.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	12-27-93
Condition:	Cool & Intact	Date Analyzed:	12-30-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.020	100.0

SURROGATE RECOVERY	Parameter	Percent Recovery
	2-fluorophenol	103 %
	2,4,6-tribromophenol	102 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank

Analyst

Review

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	12-30-93
Laboratory Number:	1227TBN.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	12-27-93
Condition:	Cool and Intact	Date Analyzed:	12-29-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-initrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:

Parameter	Percent Recovery
2-fluorobiphenyl	97.4 %

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank

Analyst

Review

ENV RO' 'ECH _ABS
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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - BLANKS

Client:	NA	Project #:	NA
Sample ID:	Blanks	Date Reported:	12-29-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	12-29-93
Condition:	NA	Date Extracted:	NA

Parameter	Instrument Blank (mg/L)	Extraction Sol. Blank (mg/L)	Det. Limit (mg/L)
ARSENIC	ND	ND	0.001
BARIUM	ND	ND	0.1
CADMIUM	ND	ND	0.001
CHROMIUM	ND	ND	0.001
LEAD	ND	ND	0.001
MERCURY	ND	ND	0.002
SELENIUM	ND	ND	0.001
SILVER	ND	ND	0.01

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS
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PHONE: (505) 632-0615 • FAX: (505) 632-1865

** QUALITY ASSURANCE EPA METHODS 8010/8020
MATRIX SPIKE - AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Spike	Date Reported:	12-29-93
Laboratory Number:	6685STCV.	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	12-28-93
Condition:	NA		

Parameter	Sample Result (ug/L)	Spike Added (ug/L)	Spiked Sample Result (ug/L)	Det. Limit (ug/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	10.0	11.6	5.1	107	28-163
2-Butanone	19.4	10.0	30.7	6.7	104	47-132
1,1-Dichloroethene	ND	10.0	11.4	7.5	84	43-143
Chloroform	ND	10.0	8.2	5.0	82	49-133
Carbon Tetrachloride	ND	10.0	9.8	5.0	98	43-143
Benzene	354	10.0	363	5.4	100	39-150
1,2-Dichloroethane	ND	10.0	9.3	5.3	93	51-147
Trichloroethene	ND	10.0	8.6	5.1	86	35-146
Tetrachloroethene	ND	10.0	13.7	5.5	106	26-162
Chlorobenzene	ND	10.0	9.6	5.0	96	38-150
1,4-Dichlorobenzene	ND	10.0	8.1	5.0	81	42-143

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

QUALITY ASSURANCE REPORT
EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - MATRIX SPIKE

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	12-29-93
Laboratory Number:	NA	Date Sampled:	12-27-93
Sample Matrix:	TCLP Extract	Date Received:	12-27-93
Analysis Requested:	TCLP	Date Analyzed:	12-29-93
Condition:	NA	Date Extracted:	12-27-93

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
ARSENIC	0.100	ND	0.102	102
BARIUM	10.0	2.26	12.4	101
CADMIUM	0.100	0.003	0.104	101
CHROMIUM	0.100	ND	0.102	102
LEAD	0.100	0.013	0.113	100
MERCURY	0.050	0.005	0.055	100
SELENIUM	0.100	ND	0.099	99
SILVER	1.00	ND	0.961	96

QA ACCEPTANCE CRITERIA:

Parameter	Acceptance Range %
TCLP Metals	80 - 120

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

3286

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location
93 92131 Meridian - STORAGE I - HART Canyon	STORAGE I FACILITY - HART Canyon

Sampler: (Signature) Robert M Young

Chain of Custody Tape No.

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	ANALYSIS/PARAMETERS: TCLP w/3 Extractors						Remarks
POINT STOCKPILE Composite	12/27/93	1100	6685	SOIL	1	✓						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Robert M Young	12/27/93	1330	Denise L. Queen	12-27-93	1330
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

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

san juan repro Form 578-81

Roger Anderson 93216

REQUEST FOR APPROV TO ACCEPT SOLID WASTE XXXXXXXXXXXXXXXXXXXXXXXXX

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

OIL CONSERVATION DIVISION
RECEIVED
'94 JAN 10 AM 8

2. Destination
Landfarm #2, Envirotech Soil Remediation Facility, NW of NM

3. Address of Facility Operator
5796 US Hwy 64-3014, Farmington, NM 87401

4. Generator
Meridian Oil INC

5. Name of Originating Site
Candelaria's Stock Pond

6. Name of Transporter
Meridian

7. Location of Material (Street Address or ULSTR)
NW/4 NW/4, S25, T31N, R10W

8. State
New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

BRIEF DESCRIPTION OF THE MATERIAL:
Contaminated Soil from semi-tanker spill at Candelaria's Stock Pond

RECEIVED
JAN 14 1994
OIL CON. DIV
DIST. 3

RECEIVED
JAN 07 1994
OIL CON. DIV
DIST. 3

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

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

SIGNATURE Robert M Young TITLE LANDFARM SUPERVISOR DATE 1/5/94

TYPE OR PRINT NAME ROBERT M. YOUNG TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 1/7/94

APPROVED BY Kathy Brown TITLE Geologist DATE 1/11/94

CONDITIONS OF APPROVAL, IF ANY:

Meridian Transportation Tanker Rollover on Fidel Candelaria's Ranch
Used sphag sorb to remove ½ bbl oil from pond

1/21/94

93216

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒	4. Generator Meridian Oil INC
2. Destination Landfarm #2, ENVIROTECH Soil Remediation Facility, Hilltop NM	5. Name of Originating Site Candelaria's Stock Pond
3. Address of Facility Operator 5796 US Hwy 64-3014, Farmington, NM 87401	6. Name of Transporter Meridian
7. Location of Material (Street Address or ULSTR) NW/4 NW/4, S25, T31N, R10W	8. State New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated Soil from semi-tanker spill at Candelaria's Stock Pond

RECEIVED
JAN 07 1994
OIL CON. DIV.
DIST. 3

Estimated Volume 5 cy Known Volume (to be entered by the operator at the end of the haul): _____ cy

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

SIGNATURE Robert M Young TITLE LANDFARM SUPERVISOR DATE 1/5/94

TYPE OR PRINT NAME ROBERT M. YOUNG TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 1/7/94

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Meridian Transportation Tanker Rollover on Fidel Candelaria's Ranch
Used sphagsorb to remove ½ bbl oil from pond.

1/7/93

ENVIROTECH INC.

93216

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

Originating Location: Candelaria's Stock Pond

Source: Semi-Tanker Spill - Meridian Oil INC

Disposal Location: Envirotech Soil Remediation Facility, (ESRF) Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR,Part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for ~~the~~ Meridian Oil INC. concur with the status of the waste from the subject site.

Name Craig A. Bock

Title/Agency Assoc. Environmental Representative

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

Signature C. A. Bock

Date 01/05/93

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	Meridian	Project #:	93216
Sample ID:	Stockpile Comp.	Date Reported:	12-29-93
Laboratory Number:	6686	Date Sampled:	12-27-93
Sample Matrix:	Soil	Date Received:	12-27-93
Preservative:	Cool	Date Extracted:	12-27-93
Condition:	Cool & Intact	Date Analyzed:	12-28-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
2-Butanone	0.008	0.007	200
1,1-Dichloroethene	ND	0.008	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	0.013	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.006	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	97 %
Bromofluorobenzene	105 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments: Candelaria Stock Pond, 5-Point Stockpile Composite

Analyst

Review

ENVIRO-TECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	Meridian	Project #:	93216
Sample ID:	Stockpile Comp.	Date Reported:	12-30-93
Laboratory Number:	6686	Date Sampled:	12-27-93
Sample Matrix:	Soil	Date Received:	12-27-93
Preservative:	Cool	Date Extracted:	12-27-93
Condition:	Cool & Intact	Date Analyzed:	12-30-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.020	100.0

SURROGATE RECOVERY	Parameter	Percent Recovery
	2-fluorophenol	100 %
	2,4,6-tribromophenol	101 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments: Candelaria Stock Pond, 5-Point Stockpile Composite

Analyst

Review

ENVIRO-TECH LABS
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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	Meridian	Project #:	93216
Sample ID:	Stockpile Comp.	Date Reported:	12-30-93
Laboratory Number:	6686	Date Sampled:	12-27-93
Sample Matrix:	Soil	Date Received:	12-27-93
Preservative:	Cool	Date Extracted:	12-27-93
Condition:	Cool and Intact	Date Analyzed:	12-29-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-initrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:

Parameter	Percent Recovery
2-fluorobiphenyl	102 %

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments: Candelaria Stock Pond, 5-Point Stockpile Composite

Analyst

Review

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Meridian	Project #:	93216
Sample ID:	Stockpile Comp.	Date Reported:	12-29-93
Laboratory Number:	6686	Date Sampled:	12-27-93
Sample Matrix:	Soil	Date Received:	12-27-93
Preservative:	Cool	Date Analyzed:	12-29-93
Condition:	Cool & Intact	Date Extracted:	12-27-93
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	0.014	0.001	5.000
BARIUM	2.1	0.1	100.0
CADMIUM	0.004	0.001	1.000
CHROMIUM	ND	0.001	5.000
LEAD	0.010	0.001	5.000
MERCURY	0.012	0.002	0.200
SELENIUM	ND	0.001	1.000
SILVER	ND	0.01	5.00

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

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

ND - Parameter not detected at the stated detection limit.

Comments: Candelaria Stock Pond, 5-Point Stockpile Composite

Analyst

Review

ENVIRO-TECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

RCRA CHARACTERISTICS

Client:	Meridian	Project #:	93216
Sample ID:	5-point Stockpile Comp.	Date Reported:	12-27-93
Lab ID#:	6686	Date Sampled:	12-27-93
Sample Matrix:	Soil	Date Received:	12-27-93
Preservative:	Cool	Date Analyzed:	12-27-93
Condition:	Cool & Intact		

IGNITABILITY: Did not ignite upon direct contact with flame after heating to 60°c.

CORROSIVITY: pH of 8.07

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

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: ≤ pH 2 or ≥ pH 12.5 is hazardous waste.

Candelaria Stock Pond

Analyst

Reviewed

ENVIROTECH LABORATORIES

5796 U.S. HIGHWAY 64-3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	12-29-93
Laboratory Number:	1228TCV.BLK	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	12-28-93
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
2-Butanone	ND	0.007	200
1,1-Dichloroethene	ND	0.008	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.006	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	101 %
Bromofluorobenzene	99 %

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIRO-TECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	12-29-93
Laboratory Number:	1227TCV.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	12-27-93
Condition:	Cool & Intact	Date Analyzed:	12-28-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
2-Butanone	ND	0.007	200
1,1-Dichloroethene	ND	0.008	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.006	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	96 %
Bromofluorobenzene	99 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank

Analyst

Review

ENV RO' 'ECH LABS
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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	12-30-93
Laboratory Number:	1230TCA.BLK	Date Sampled:	NA
Sample Matrix:	2-Propanol	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	12-30-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.020	100.0

SURROGATE RECOVERY	Parameter	Percent Recovery
	2-fluorophenol	100 %
	2,4,6-tribromophenol	97 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIRO-TECH LABS
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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	12-30-93
Laboratory Number:	1229TBN.BLK	Date Sampled:	NA
Sample Matrix:	Hexane	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	12-29-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:

Parameter	Percent Recovery
2-fluorobiphenyl	97.5 %

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIRO-TECH LABS
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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	12-30-93
Laboratory Number:	1227TCA.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	12-27-93
Condition:	Cool & Intact	Date Analyzed:	12-30-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.020	100.0

SURROGATE RECOVERY	Parameter	Percent Recovery
	2-fluorophenol	103 %
	2,4,6-tribromophenol	102 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank

Analyst

Review

ENVIRO-TECH LABS
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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	12-30-93
Laboratory Number:	1227TBN.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	12-27-93
Condition:	Cool and Intact	Date Analyzed:	12-29-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-initrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:

Parameter	Percent Recovery
2-fluorobiphenyl	97.4 %

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank

Analyst

Review

ENVIRO-TECH LABS
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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - BLANKS

Client:	NA	Project #:	NA
Sample ID:	Blanks	Date Reported:	12-29-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	12-29-93
Condition:	NA	Date Extracted:	NA

Parameter	Instrument Blank (mg/L)	Extraction Sol. Blank (mg/L)	Det. Limit (mg/L)
ARSENIC	ND	ND	0.001
BARIUM	ND	ND	0.1
CADMIUM	ND	ND	0.001
CHROMIUM	ND	ND	0.001
LEAD	ND	ND	0.001
MERCURY	ND	ND	0.002
SELENIUM	ND	ND	0.001
SILVER	ND	ND	0.01

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENV RO' 'ECH _ABS
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PHONE: (505) 632-0615 • FAX: (505) 632-1865

** QUALITY ASSURANCE EPA METHODS 8010/8020
MATRIX SPIKE - AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Spike	Date Reported:	12-29-93
Laboratory Number:	6685STCV.	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	12-28-93
Condition:	NA		

Parameter	Sample Result (ug/L)	Spike Added (ug/L)	Spiked Sample Result (ug/L)	Det. Limit (ug/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	10.0	11.6	5.1	107	28-163
2-Butanone	19.4	10.0	30.7	6.7	104	47-132
1,1-Dichloroethene	ND	10.0	11.4	7.5	84	43-143
Chloroform	ND	10.0	8.2	5.0	82	49-133
Carbon Tetrachloride	ND	10.0	9.8	5.0	98	43-143
Benzene	354	10.0	363	5.4	100	39-150
1,2-Dichloroethane	ND	10.0	9.3	5.3	93	51-147
Trichloroethene	ND	10.0	8.6	5.1	86	35-146
Tetrachloroethene	ND	10.0	13.7	5.5	106	26-162
Chlorobenzene	ND	10.0	9.6	5.0	96	38-150
1,4-Dichlorobenzene	ND	10.0	8.1	5.0	81	42-143

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENV RO' 'ECH _ABS
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PHONE: (505) 632-0615 • FAX: (505) 632-1865

QUALITY ASSURANCE REPORT
EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - MATRIX SPIKE

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	12-29-93
Laboratory Number:	NA	Date Sampled:	12-27-93
Sample Matrix:	TCLP Extract	Date Received:	12-27-93
Analysis Requested:	TCLP	Date Analyzed:	12-29-93
Condition:	NA	Date Extracted:	12-27-93

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
ARSENIC	0.100	ND	0.102	102
BARIUM	10.0	2.26	12.4	101
CADMIUM	0.100	0.003	0.104	101
CHROMIUM	0.100	ND	0.102	102
LEAD	0.100	0.013	0.113	100
MERCURY	0.050	0.005	0.055	100
SELENIUM	0.100	ND	0.099	99
SILVER	1.00	ND	0.961	96

QA ACCEPTANCE CRITERIA:

Parameter	Acceptance Range %
TCLP Metals	80 - 120

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

3287

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location	ANALYSIS/PARAMETERS
Meridian / 93216	Candelaria Stock Pond	
Sampler: (Signature)	Chain of Custody Tape No.	
Robert M Young		

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TCLP w/o Acid Hold						Remarks
5-POINT Stockpile composite	12/27/93	1130	6686	SOIL	1	—						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Robert M Young	12/27/93	1335	Denise L. Ajenian	12-27-93	1335
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

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

san juan repro Form 578-81

Rec 1/3/94 Doc #: 444 LF2-B23+C23 92197

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ Denny Foust 1/3/94 By RMY	4. Generator Meridian Oil Inc
2. Destination Land Farm #2, Envirotech Soil Remediation Facility Hilltop New Mex	5. Name of Originating Site Val Verde Plant
3. Address of Facility Operator 5796 US Hwy 64-3014, Farmington, NM 87401	6. Name of Transporter Envirotech
7. Location of Material (Street Address or ULSTR) A-14-T29N-11W	8. State NM

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

Contamination of Charcoal Filter Media

RECEIVED
FEB - 3 1994
OIL CON. DIV.
DIST. 3

Estimated Volume 60 cy Known Volume (to be entered by the operator at the end of the haul): 61 1/3/94 cy

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

SIGNATURE Robert M Young TITLE LANDFARM SUPERVISOR DATE 1/4/94

TYPE OR PRINT NAME ROBERT M. YOUNG TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 2/4/94

APPROVED BY Jerry Sexton TITLE Geo DATE 2/4/94

CONDITIONS OF APPROVAL, IF ANY:

92197
Rec 1/3/94
Bol 4461, 4444
LF2-B23, C23
61 cyds

Envirotech Exempt Waste Manifest
Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

Safety and Environmental

1. Waste Location: Lease/Well No. Val Verde Gas Plant

2. Volume: ~~45~~ 61 dRJ ✓ Cubic Yards _____ Barrels _____ Gallons

3. Description of Waste: Charcoal filter media

4. Method of Waste Generation: MDEA filtration, gas processing waste

5. Disposal Cost: $18/yd

6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal _____ (signature) Date 12-28-

MOI Representive

Transportation Company: Envirotech

Date(s) Transported: 1-3-94

MOI Representative on Site _____ (signature) Date 1-3-94

Envirotech
Complete and return to Meridian Safety and Environmental with invoice.

Date(s) Received: 1/3/94

Total Volume Received: ~~65~~ 61 cyds

Waste Location : Cell/Grid No. B-23

Received By : _____ (signature)

92197
Rec 1/3/94
Boc 4461
4444
LF2-B23, C23
61 cyds

CERTIFICATE OF WASTE TRANSPORT

Originating Location: Meridian Val Verde Plant

Source of Contamination: Charcoal Filter Media

Generator: Meridian Oil Inc

Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ **Landfarm #2** _____ +

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Ray Womack

Company: Envirotech

Signature: [signature]

Date: 1/3/94

92118

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☐ Verbal Approval Received: Yes ☐ No ☐	4. Generator Halliburton Resource
2. Destination Envirotech Land Farm # 2	5. Name of Originating Site [redacted] 550 yard
3. Address of Facility Operator Hilltop NM 5796 E US 64 Farmington NM	6. Name of Transporter Envirotech
7. Location of Material (Street Address or ULSTR) 1125 US 550 Aztec	8. State NM

9. Check One

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

BRIEF DESCRIPTION OF THE MATERIAL:

Compressor oil Contaminated Soils from various Compressor sites, Stockpiled at 1125 US 550 Aztec NM.

(Bill Worten)

10-10

RECEIVED
JAN 07 1994
OIL CON
DIST

Estimated Volume 7 Barrels CY, Known Volume (to be entered by the operator at the end of the haul): 7 Barrels CY

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

SIGNATURE Harvey R Johnson TITLE Land Farm Mgr. DATE 12/20/93

TYPE OR PRINT NAME Harvey R Johnson TELEPHONE NO. 632 0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 1/7/94

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: Have used MSDS sheet in lieu of TCLP previously
1/12/94 As per Roger Anderson MSDS sheets only will be accepted for unused chemical spills; case by case basis.

1/7/94

92118

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☐ Verbal Approval Received: Yes ☐ No ☐	4. Generator Halliburton Resource
2. Destination Envirotech Land Farm # 2	5. Name of Originating Site [redacted] 550 yard
3. Address of Facility Operator Hilltop NM 5796 E US 64 Farmington NM	6. Name of Transporter Envirotech
7. Location of Material (Street Address or ULSTR) 1125 US 550 Aztec	8. State NM

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(Bill Worten)

RECEIVED
JAN 07 1994
OIL CON. DIST.

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

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

SIGNATURE Harvey R Johnson TITLE Land Farm Mgr. DATE 12/20/93

TYPE OR PRINT NAME Harvey R Johnson TELEPHONE NO. 632 0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 1/7/94

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: Have used MSDS sheet in lieu of TCLP previously

1/7/94

92118

Post-it Fax Transmittal Memo 7672 No. of Pages 5 Date 1-3-93 Time 2:15

To HARVEY JOHNSON
Company ENVIROTECH
Location
Fax # 632-1865 Telephone # 632-0615
Comments COMPRESSOR LUBRICATOR OIL

From BILL WHARTON
Company HALLIBURTON
Location 52 YARD Dept. Charge
Fax # 334-7457 Telephone # 334-6713
Original Disposition: ☐ Destroy ☐ Return ☐ Call for pickup

Attach Document #1 Here

Material Safety Data Sheet

conoco

Emergency Medical Telephone (800) 441-3637

EL MAR® 3000 ENGINE OIL

1300 max allowable
1 34 gal. @ 5.0 c

I. MATERIAL IDENTIFICATION

Name
El Mar® 3000 Engine Oil

CAS Registry Number
Mixture; See Section XI

Transportation Emergency Phone
1-(800) 424-9300 (Chemtrec)

Chemical Family
Petroleum Hydrocarbon

Grade
SAE 30, 40, 15W-40

Product Use
Industrial Gas Engine Oil

Product Code
7513/7514/7515

II. OSHA HAZARD DETERMINATION

The material is not known to be hazardous as defined by OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Refer to Section XI of this MSDS for other federal and state regulatory information.

III. PHYSICAL DATA

Appearance and Odor
Brown liquid;
Mild petroleum hydrocarbon odor

Specific Gravity (H_2O=1)
0.90

Boiling Point/Range
700° - 1100°F

% Volatiles (by volume)
Nil

Vapor Pressure
Nil

Solubility in Water
Insoluble

Vapor Density (Air = 1.0)
>1

Evaporation Rate
Nil

IV. REACTIVITY DATA

Stable: X **Unstable:** ___

Hazardous Decomposition Materials: Hazardous gases/vapors produced are carbon dioxide; incomplete combustion may produce carbon monoxide.

Conditions to Avoid: Strong oxidizing materials, heat, flame.

Hazardous Polymerization: Will not occur.

Conoco Inc., P.O. Box 2197, Houston, TX 77252
General Information No. (713) 293-5550

STATE REGULATIONS

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

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

PENNSYLVANIA WORKER AND COMMUNITY RIGHT TO KNOW ACT

To the best of our knowledge the material is not sold or produced in Pennsylvania. Please notify Conoco at the telephone number noted below if the material results in Pennsylvania commerce.

MSDS Code: MOTC0070	
SECTIONS OF MSDS REVISED:	VIII, XI
DATE OF LATEST REVISION/REVIEW:	5/90 - Replaces MSDS dated 3/90
DEPARTMENT RESPONSIBLE FOR MSDS:	Safety, Occupational Health & Environmental Affairs
PRODUCT INFORMATION CONTACT:	Hazard Communication Analyst Conoco Inc. (713) 293-5550

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

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986, TITLE III SECTIONS 302, 304, 311, 312, 313

SECTION 302/304 - Extremely Hazardous Substances (40 CFR 355)
The material is not known to contain extremely hazardous substances at greater than 1.0% concentration; however, it is possible that this material may contain extremely hazardous substances at a lower concentration so that a large enough spill could warrant an Emergency Release Report under Section 304.

SECTION 311/312 - MSDS and Chemical Inventory Reporting Requirements (40 CFR 370)
The material should be reported under the following EPA hazard categories:

__ Immediate (Acute) Health Hazard
__ Delayed (Chronic) Health Hazard
__ Fire
__ Sudden Release of Pressure
__ Reactive
_x_ Not Hazardous

NOTE: See Section II for the concentration of any ingredients classified as hazardous by OSHA.

SECTION 313 - List of Toxic Chemicals (40 CFR 372)
The material is not known to contain chemical(s) at a level of 1.0% or greater (0.1% for carcinogens) on the list of Toxic Chemicals and is not subject to toxic chemical release reporting requirements.

TOXIC SUBSTANCES CONTROL ACT (TSCA), 40 CFR 710
This material is a mixture as defined by TSCA. The chemical ingredients in this material are in Section 8(b) Chemical Substance Inventory and/or are otherwise in compliance with TSCA. In the case of ingredients obtained from other manufacturers, Conoco relies on the assurance of responsible third parties in providing this statement.

RESOURCE CONSERVATION AND RECOVERY ACT (RCRA), 40 CFR 261, SUBPART C AND D
The material, when discarded or disposed of, is not specifically listed as a hazardous waste in Federal regulations; however, it could be considered hazardous if it meets criteria for being toxic, corrosive, ignitable or reactive according to U.S. EPA definitions (40 CFR 261). Additionally, it could be designated as hazardous according to state regulations. This material could also become a hazardous waste if it is mixed with or comes in contact with a listed hazardous waste. If such contact or mixing occurs, check 40 CFR 261 to determine whether it is a hazardous waste. If it is a hazardous waste, Regulations 40 CFR 262, 263, 264 and 265 may apply.

FEDERAL WATER POLLUTION CONTROL ACT, CLEAN WATER ACT, 40 CFR 116.4A, SECTION 311
The material contains the following ingredient(s) which is considered hazardous if spilled in navigable waters.

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

HAZARDOUS MATERIALS TRANSPORTATION REGULATIONS, 49 CFR 171-178
Not Applicable

VIII. EMERGENCY AND FIRST AID INFORMATION

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

Skin: In case of contact, immediately wash skin with soap and plenty of water. If irritation develops, consult a physician.

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

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

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

IX. SPILL, LEAK AND DISPOSAL INFORMATION

In Case of Spill or Leak: Contain spill immediately in smallest possible area. Recover as much of the product as possible by such methods as vacuuming, followed by recovering residual fluids by using absorbent materials. Nonrecoverable product, contaminated soil, debris and other materials should be placed in proper containers for ultimate disposal. Avoid washing, draining or directing material to storm or sanitary sewers.

NOTE: Review FIRE AND EXPLOSION HAZARDS before proceeding with clean up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean up.

Waste Disposal Method: Recycle as much of the recoverable product as possible. Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

X. PRECAUTIONARY MEASURES

Respiratory Protection: None required except under unusual circumstances such as described in Section V.

Ventilation: Normal shop ventilation.

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

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

Other Protective Equipment: Coveralls if splashing is probable.

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

XI. REGULATORY INFORMATION

FEDERAL REGULATIONS

CERCLA, 40 CFR 302
Not Applicable

V. FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method used): 370°F (PMCC)

Autoignition Temperature: 680°F

Handle and store in accordance with NFPA procedure for Class IIIB Combustible Liquid.

Extinguishing Media: Use water spray, dry chemical, CO_2, foam.

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

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

National Fire Protection Association (NFPA) Classification	HAZARD RATING
Health 0 Fire 1 Reactivity 0	Least-0 Slight-1 Moderate-2 High-3 Extreme-4

VI. TRANSPORTATION AND STORAGE

Storage Conditions:
Store in accordance with National Fire Protection Association regulations.

Shipping Information:
DOT: Not Regulated
IATA/IMO: Not Restricted

VII. HEALTH HAZARD INFORMATION

Exposure Limits

PEL: None Established **TLV:** None Established

Hazardous Materials Identification System (HMIS) Ratings
Health 1 Fire 1 Reactivity 0

Primary Routes of Exposure/Entry: Skin.

Signs and Symptoms of Exposure/Medical Conditions Aggravated by Exposure:
Mouse skin painting studies have shown that highly solvent-refined petroleum distillates similar to ingredients in this product have not caused skin tumors. The product does not pose a significant health hazard but, as with many petroleum products, poor hygienic practices or inadequate engineering design that allow prolonged or repeated exposure may cause minor skin irritation.

Laboratory studies with mice have shown that "used" motor oil applied repeatedly to the skin caused skin cancer. In these studies, the "used" motor oil was not removed between applications. Health hazards to "used" motor oil can be minimized by avoiding prolonged skin contact.

Carcinogenicity:
This material is not known to contain any chemical listed as a carcinogen or suspected carcinogen by OSHA, IARC, or NTP at a concentration greater than 0.1%.

150

92117-M

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒ (Submitting this form for oilfield exempt waste is optional)	4. Generator El Paso Natural Gas
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site Kutz ~~Plant~~ Separator
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Yucca?
7. Location of Material (Street Address or ULSTR) NE/4 14 T29N R11W NMPM	8. State NM

OIL CONSERVATION DIVISION RECEIVED 94 JU 6 AM 8 50

9. Check One

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

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

Projected Dates(s) for Transportation: 7/94

BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated Soil From Separator Holding Tank Overflow.

TCLP Metals Analysis, 8270 Analysis, 8240 Analysis, and ignitability Results Attached.

RECEIVED
JUL 08 1994
OIL CON. DIV.
DIST. 3

RECEIVED
JUN 30 1994
OIL CON. DIV.
DIST. 3

Hauled 7/26/94

Estimated Volume 16 yd³ Known Volume (to be entered by the operator at the end of the haul): 30 yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 6/28/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 7/7/94

APPROVED BY [illegible] TITLE Env Bureau Chief DATE 7/7/94

CONDITIONS OF APPROVAL, IF ANY: Note non-TCLP analysis on organics. Should we require TCLP or is this analysis more stringent(??)

SF 6/30/94

92117-12

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒ (Submitting this form for oilfield exempt waste is optional)	4. Generator El Paso Natural Gas
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BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated Soil From Separator Holding Tank Overflow.

TCLP Metals Analysis, 8270 Analysis, 8240 Analysis, and Ignitability Results Attached.

RECEIVED
JUN 30 1994
OIL CON. DIV.
DIST. 3

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

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 6/28/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Santa Fe 6/30/94

92117-N

CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL

Originating Location: Kutz Oil Water Separator, Bloomfield, NM
Source: Spill from the Separator Holding Tank Overflow.
Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for ~~the~~ El Paso Natural Gas Co. concur with the status of the waste from the subject site.

Name Sandra D. Miller
Title/Agency Sr. Environmental Scientist
El Paso Natural Gas Co.
Address P.O. Box 4990
Farmington NM 87499
Signature Sandra D Miller
Date 6/3/94

RECEIVED JUN 23 1994

92117-12

El Paso
Natural Gas Company

P. O. BOX 4990
FARMINGTON, NEW MEXICO 87499

June 22, 1994

Mr. Morris Young
Envirotech, Inc.
5796 US HWY 64
Farmington, NM 87401

Dear Mr. Young,

El Paso Natural Gas Co. recently requested approval to dispose of hydrocarbon contaminated soil at your landfarm facility. The soil was excavated from the area around our Kutz Oil Water Separator which is located in Bloomfield, NM. Because the hydrocarbon source which affected the soil was not strictly exempt, I provided you with analytical data on this material.

The analytical tests performed on this soil included TCLP for metals and totals on the organics. TCLP was inadvertently left off of the chain of custody form when requesting organics analysis.

I have spoken with our laboratory superintendent regarding this data. It is his opinion that the organics data which is reported as Totals are usable in determining that the soil is not a hazardous waste. I have enclosed a memo from him which explains the basis for his opinion.

In addition, I have discussed the matter with Denny Foust of the district NMOCD office. He has agreed to submit the analytical data, along with the laboratory superintendent's memo to the Santa Fe office for their review.

I am therefore requesting that you submit the analytical data and the enclosed memo to Mr. Foust with a request for approval to dispose of the soil. Please inform me as soon as possible when you have obtained a response from NMOCD. Your cooperation will be greatly appreciated.

Sincerely,

Sandra D. Miller

Sandra D. Miller
Sr. Environmental Scientist

El Paso Natural Gas Company

MEMORANDUM

92117-12

To: Sandra Miller

From: John Lambdin

Date: June 16, 1994

Place: Field Services Laboratory

Subject: Total Analysis vs TCLP Extraction Analysis

The results in question were for Kutz Separator Soil Pile Sample #940146 which was analyzed for totals on EPA Methods 8240/8270. Since the TCLP involves a 20 fold dilution (100 grams sample extracted with 2000 grams of extraction fluid) it is possible to divide totals results by 20 for comparison to TCLP values. Therefore, if any result from a totals analysis is divided by 20 and does not exceed the TCLP regulatory limit for that component, it is not possible to have failed a TCLP. This assumes that a component found by totals would not have a greater solubility in the TCLP extraction fluid than it would in the totals extraction fluid.

For Example:

Total Result for 3-Methyl Phenol (also known as m-Cresol) = <0.85 MG/Kg

The Regulatory limit for m-Cresol in the TCLP extract is set at 200 MG/KG.

200 MG/KG divided by 20 (The TCLP Dilution Factor) = 10 MG/KG.

If 100 % of the total 3-Methyl Cresol contained in this sample was soluble in the TCLP extraction fluid the result could not have exceeded 10 MG/KG which is << than the regulatory limit.

The other names for the Cresol components shown on the EPA 8270 report are:

o-Cresol = 2-Methyl Phenol
m-Cresol = 3-Methyl Phenol
p-Cresol = 4-Methyl Phenol

Please let me know, if you have any additional questions.

cc: File

92117-M

El Paso
Natural Gas Company

P. O. BOX 4990
FARMINGTON, NEW MEXICO 87499

June 3, 1994

Mr. Morris Young
Envirotech, Inc.
5796 US HWY 64
Farmington, NM 87401

Dear Mr. Young,

El Paso Natural Gas Co. hereby requests approval to dispose of hydrocarbon contaminated soil at your landfarm facility. The soil was excavated from the area around our Kutz Oil Water Separator which is located in Bloomfield, NM. Because the hydrocarbon source which affected the soil was not strictly exempt, I have enclosed analytical information which we have obtained on this material. Also, per your instructions, enclosed is a signed Certificate of Waste Status - Nonexempt Waste Material.

Please inform me as soon as possible when you have obtained approval from NMOCD so that the soil may be transported to your facility.

Sincerely,

Sandra D. Miller

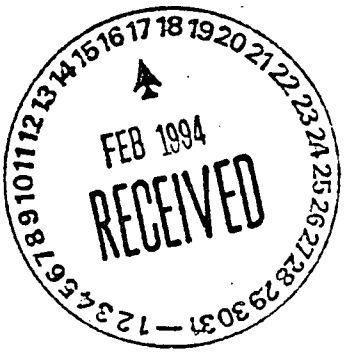
Sandra D. Miller
Sr. Environmental Scientist

xc: W.D. Hall, EPNG
B.J. Armenta, EPNG

92117-12

Analytical Technologies, Inc.

2709-D Pan American Freeway, NE Albuquerque, NM 87107
Phone (505) 344-3777 FAX (505) 344-4413



ATI I.D. **401375**

February 15, 1994

El Paso Natural Gas Company
P.O. Box 4990
Farmington, NM 87499

Project Name/Number: KUTZ LINED POND @ BLANCO/SOIL PILES

Attention: John Lambdin

On **01/27/94**, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze **non-aqueous** sample(s). The sample(s) were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

Sample 940146 was used as the QC sample for EPA method 8270. Due to matrix interference, several parameters are outside of acceptance criteria. A blank spike/blank spike duplicate, which was extracted from this sample batch and meets acceptance criteria, is also included in this report.

All analyses were performed by Analytical Technologies, Inc., 9830 S. 51st Street, Suite B-113, Phoenix, AZ.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Letitia Krakowski, Ph.D.
Project Manager

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager

MR:jd

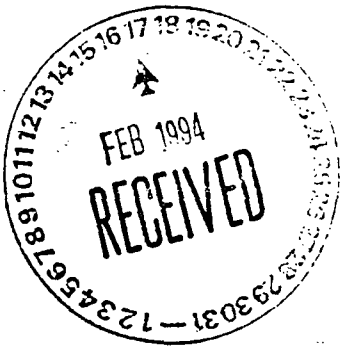
Enclosure

92117-12

Analytical Technologies, Inc.

CLIENT : EL PASO NATURAL GAS CO. DATE RECEIVED : 01/27/94
PROJECT # : (NONE)
PROJECT NAME : KUTZ LINED POND @ BLANCO/SOIL PILES REPORT DATE : 02/15/94
ATI I.D. : 401375

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	940146	NON-AQUEOUS	01/26/94



----- TOTALS -----

MATRIX	# SAMPLES
NON-AQUEOUS	1

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

92117-A

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

ATI I.D. : 401375

CLIENT : EL PASO NATURAL GAS CO. DATE RECEIVED : 01/27/94
PROJECT # : (NONE)
PROJECT NAME : KUTZ LINED POND @ BLANCO/SOIL PILES REPORT DATE : 02/15/94

PARAMETER	UNITS	01
IGNITABILITY (ATI P10.618)		NEG

92117-12

Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : EL PASO NATURAL GAS CO.
PROJECT # : (NONE)
PROJECT NAME : KUTZ LINED POND @ BLANCO/SOIL PILES ATI I.D. : 401375

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
IGNITABILITY		40137501	NEG	NEG	NA	NA	NA	NA

Acceptable
JR
4/19/94

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

92117-12

Analytical Technologies, Inc.

METALS RESULTS

ATI I.D. : 401375

CLIENT : EL PASO NATURAL GAS CO.
PROJECT # : (NONE)
PROJECT NAME : KUTZ LINED POND @ BLANCO/SOIL PILES

DATE RECEIVED : 01/27/94
REPORT DATE : 02/15/94

PARAMETER	UNITS	01	TCLP max
SILVER (TCLP 1311/6010)	MG/L	<0.010	5.0
ARSENIC (TCLP 1311/6010)	MG/L	<0.1	5.0
BARIUM (TCLP 1311/6010)	MG/L	0.532	100.0
CADMIUM (TCLP 1311/6010)	MG/L	<0.005	1.0
CHROMIUM (TCLP 1311/6010)	MG/L	<0.010	5.0
MERCURY (TCLP 1311/7470)	MG/L	<0.0002	0.2
LEAD (TCLP 1311/6010)	MG/L	<0.10	5.0
SELENIUM (TCLP 1311/6010)	MG/L	<0.1	1.0

92117-12

Analytical Technologies, Inc.

METALS - QUALITY CONTROL

CLIENT : EL PASO NATURAL GAS CO.
PROJECT # : (NONE)
PROJECT NAME : KUTZ LINED POND @ BLANCO/SOIL PILES ATI I.D. : 401375

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
SILVER (IN TCLP)	MG/L	40137501	<0.010	<0.010	NA	0.875	1.00	88
ARSENIC (IN TCLP)	MG/L	40137501	<0.1	<0.1	NA	1.0	1.0	100
BARIUM (IN TCLP)	MG/L	40137501	0.532	0.534	0.4	1.47	1.00	94
CADMIUM (IN TCLP)	MG/L	40137501	<0.005	<0.005	NA	0.950	1.00	95
CHROMIUM (IN TCLP)	MG/L	40137501	<0.010	<0.010	NA	0.930	1.00	93
MERCURY (IN TCLP)	MG/L	40137501	<0.0002	<0.0002	NA	0.0049	0.0050	98
LEAD (IN TCLP)	MG/L	40137501	<0.10	<0.10	NA	0.89	1.00	89
SELENIUM (IN TCLP)	MG/L	40137501	<0.1	<0.1	NA	1.0	1.0	100

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

92117-12

Analytical Technologies, Inc.

GCMS - RESULTS

ATI I.D. : 40137501

TEST : VOLATILE ORGANICS (EPA 8240)

CLIENT	: EL PASO NATURAL GAS CO.	DATE SAMPLED	: 01/26/94
PROJECT #	: (NONE)	DATE RECEIVED	: 01/27/94
PROJECT NAME	: KUTZ LINED POND @ BLANCO/SOIL PILES	DATE EXTRACTED	: 01/31/94
CLIENT I.D.	: 940146	DATE ANALYZED	: 01/31/94
SAMPLE MATRIX	: NON-AQUEOUS	UNITS	: MG/KG
		DILUTION FACTOR	: 200

COMPOUNDS	RESULTS
CHLOROMETHANE	<100.0
BROMOMETHANE	<100.0
VINYL CHLORIDE	<10.0
CHLOROETHANE	<10.0
METHYLENE CHLORIDE	<60
ACETONE	<100.0
CARBON DISULFIDE	<10.0
1,1-DICHLOROETHENE	<10.0
1,1-DICHLOROETHANE	<10.0
1,2-DICHLOROETHENE (TOTAL)	<10.0
CHLOROFORM	<10.0
1,2-DICHLOROETHANE	<10.0
2-BUTANONE (MEK)	<100.0
1,1,1-TRICHLOROETHANE	<10.0
CARBON TETRACHLORIDE	<10.0
VINYL ACETATE	<100.0
BROMODICHLOROMETHANE	<10.0
1,1,2,2-TETRACHLOROETHANE	<10.0
1,2-DICHLOROPROPANE	<10.0
TRANS-1,3-DICHLOROPROPENE	<10.0
TRICHLOROETHENE	<10.0
DIBROMOCHLOROMETHANE	<10.0
1,1,2-TRICHLOROETHANE	<10.0
BENZENE	<10.0
CIS-1,3-DICHLOROPROPENE	<10.0
2-CHLOROETHYLVINYLETHER	<100.0
BROMOFORM	<60
2-HEXANONE (MBK)	<100.0
4-METHYL-2-PENTANONE (MIBK)	<100.0
TETRACHLOROETHENE	<10.0
TOLUENE	120
CHLOROBENZENE	<10.0
ETHYLBENZENE	33
STYRENE	<10.0
TOTAL XYLENES	370

SURROGATE PERCENT RECOVERIES

1,2-DICHLOROETHANE-D4 (%)	100
BROMOFLUOROBENZENE (%)	103
TOLUENE-D8 (%)	101

92117-12

Analytical Technologies, Inc.

ADDITIONAL COMPOUNDS (SEMI-QUANTITATED)

TEST : VOLATILE ORGANICS (EPA 8240)

ATI I.D. : 40137501

COMPOUNDS	RESULTS
HYDROCARBON C6	90
HYDROCARBON C7	200
HYDROCARBON C8	300
HYDROCARBON C8	200
HYDROCARBON C8	200
HYDROCARBON C9	200
HYDROCARBON C9	200
HYDROCARBON C9	400
HYDROCARBON C9	100
HYDROCARBON C10	300

92117-12

Analytical Technologies, Inc.

GCMS - RESULTS

REAGENT BLANK

TEST : VOLATILE ORGANICS (EPA 8240)

CLIENT	: EL PASO NATURAL GAS CO.	ATI I.D.	: 401375
PROJECT #	: (NONE)	DATE EXTRACTED	: 01/31/94
PROJECT NAME	: KUTZ LINED POND @ BLANCO/SOIL PILES	DATE ANALYZED	: 01/31/94
CLIENT I.D.	: REAGENT BLANK	UNITS	: MG/KG
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
CHLOROMETHANE	<0.50
BROMOMETHANE	<0.50
VINYL CHLORIDE	<0.05
CHLOROETHANE	<0.05
METHYLENE CHLORIDE	<0.3
ACETONE	<0.50
CARBON DISULFIDE	<0.05
1,1-DICHLOROETHENE	<0.05
1,1-DICHLOROETHANE	<0.05
1,2-DICHLOROETHENE (TOTAL)	<0.05
CHLOROFORM	<0.05
1,2-DICHLOROETHANE	<0.05
2-BUTANONE (MEK)	<0.50
1,1,1-TRICHLOROETHANE	<0.05
CARBON TETRACHLORIDE	<0.05
VINYL ACETATE	<0.50
BROMODICHLOROMETHANE	<0.05
1,1,2,2-TETRACHLOROETHANE	<0.05
1,2-DICHLOROPROPANE	<0.05
TRANS-1,3-DICHLOROPROPENE	<0.05
TRICHLOROETHENE	<0.05
DIBROMOCHLOROMETHANE	<0.05
1,1,2-TRICHLOROETHANE	<0.05
BENZENE	<0.05
CIS-1,3-DICHLOROPROPENE	<0.05
2-CHLOROETHYLVINYLETHER	<0.50
BROMOFORM	<0.3
2-HEXANONE (MBK)	<0.50
4-METHYL-2-PENTANONE (MIBK)	<0.50
TETRACHLOROETHENE	<0.05
TOLUENE	<0.05
CHLOROBENZENE	<0.05
ETHYLBENZENE	<0.05
STYRENE	<0.05
TOTAL XYLENES	<0.05

SURROGATE PERCENT RECOVERIES

1,2-DICHLOROETHANE-D4 (%)	101
BROMOFLUOROBENZENE (%)	100
TOLUENE-D8 (%)	98

92117-12

Analytical Technologies, Inc.

GCMS - RESULTS

REAGENT BLANK

ADDITIONAL COMPOUNDS (SEMI-QUANTITATED)

TEST : VOLATILE ORGANICS (EPA 8240)

CLIENT : EL PASO NATURAL GAS CO. ATI I.D : 401375

COMPOUNDS	RESULTS
NO ADDITIONAL COMPOUNDS	

92117-12

Analytical Technologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 401375

TEST : VOLATILE ORGANICS (EPA 8240)

CLIENT : EL PASO NATURAL GAS CO.
PROJECT # : (NONE)
PROJECT NAME : KUTZ LINED POND @ BLANCO/SOIL PILES
REF I.D. : 40137803

DATE ANALYZED : 01/31/94
SAMPLE MATRIX : NON-AQUEOUS
UNITS : MG/KG

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
1,1-DICHLOROETHENE	<0.05	2.5	2.6	104	2.5	100	4
TRICHLOROETHENE	<0.05	2.5	2.5	100	2.4	96	4
CHLOROBENZENE	<0.05	2.5	2.5	100	2.4	96	4
TOLUENE	<0.05	2.5	2.5	100	2.4	96	4
BENZENE	<0.05	2.5	2.5	100	2.4	96	4

Acceptable
JF
2/17/94

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

92117-N

Analytical Technologies, Inc.

GCMS - RESULTS

ATI I.D. : 40137501

TEST : SEMI-VOLATILE ORGANICS (EPA 8270)

CLIENT	: EL PASO NATURAL GAS CO.	DATE SAMPLED	: 01/26/94
PROJECT #	: (NONE)	DATE RECEIVED	: 01/27/94
PROJECT NAME	: KUTZ LINED POND @ BLANCO/SOIL PILES	DATE EXTRACTED	: 01/28/94
CLIENT I.D.	: 940146	DATE ANALYZED	: 02/04/94
SAMPLE MATRIX	: NON-AQUEOUS	UNITS	: MG/KG
		DILUTION FACTOR	: 5

COMPOUNDS	RESULTS
N-NITROSODIMETHYLAMINE	<0.85
PHENOL	<0.85
ANILINE	<0.85
BIS(2-CHLOROETHYL)ETHER	<0.85
2-CHLOROPHENOL	<0.85
1,3-DICHLOROBENZENE	<0.85
1,4-DICHLOROBENZENE	<0.85
BENZYL ALCOHOL	<0.85
1,2-DICHLOROBENZENE	<0.85
2-METHYLPHENOL	<0.85
BIS(2-CHLOROISOPROPYL)ETHER	<0.85
4-METHYLPHENOL	<0.85
N-NITROSO-DI-N-PROPYLAMINE	<0.85
HEXACHLOROETHANE	<0.85
NITROBENZENE	<0.85
ISOPHORONE	<0.85
2-NITROPHENOL	<0.85
2,4-DIMETHYLPHENOL	<0.85
BENZOIC ACID	<4.25
BIS(2-CHLOROETHOXY)METHANE	<0.85
2,4-DICHLOROPHENOL	<0.85
1,2,4-TRICHLOROBENZENE	<0.85
NAPHTHALENE	6.3
4-CHLOROANILINE	<0.85
HEXACHLOROBUTADIENE	<0.85
4-CHLORO-3-METHYLPHENOL	<0.85
2-METHYLNAPHTHALENE	8.4
HEXACHLOROCYCLOPENTADIENE	<0.85
2,4,6-TRICHLOROPHENOL	<0.85
2,4,5-TRICHLOROPHENOL	<4.25
2-CHLORONAPHTHALENE	<0.85
2-NITROANILINE	<4.25
DIMETHYLPHTHALATE	<0.85
ACENAPHTHYLENE	<0.85
3-NITROANILINE	<4.25
ACENAPHTHENE	<0.85
2,4-DINITROPHENOL	<4.25
4-NITROPHENOL	<4.25
DIBENZOFURAN	<0.85
2,4-DINITROTOLUENE	<0.85
2,6-DINITROTOLUENE	<0.85

92117-12

Analytical Technologies, Inc.

GCMS - RESULTS

ATI I.D. : 40137501

TEST : SEMI-VOLATILE ORGANICS (EPA 8270)

COMPOUNDS	RESULTS
DIETHYLPHTHALATE	<0.85
4-CHLOROPHENYL-PHENYLETHER	<0.85
FLUORENE	0.92
4-NITROANILINE	<4.25
4,6-DINITRO-2-METHYLPHENOL	<4.25
N-NITROSODIPHENYLAMINE	<0.85
4-BROMOPHENYL-PHENYLETHER	<0.85
HEXACHLOROBENZENE	<0.85
PENTACHLOROPHENOL	<4.25
PHENANTHRENE	<0.85
ANTHRACENE	<0.85
DI-N-BUTYLPHTHALATE	<0.85
FLUORANTHENE	<0.85
BENZIDINE	<8.5
PYRENE	<0.85
BUTYLBENZYLPHTHALATE	<0.85
3,3-DICHLOROBENZIDINE	<1.70
BENZO(a)ANTHRACENE	<0.85
BIS(2-ETHYLHEXYL)PHTHALATE	<0.85
CHRYSENE	<0.85
DI-N-OCTYLPHTHALATE	<0.85
BENZO(b)FLUORANTHENE	<0.85
BENZO(k)FLUORANTHENE	<0.85
BENZO(a)PYRENE	<0.85
INDENO(1,2,3-cd)PYRENE	<0.85
DIBENZO(a,h)ANTHRACENE	<0.85
BENZO(g,h,i)PERYLENE	<0.85

SURROGATE PERCENT RECOVERIES

NITROBENZENE-D5 (%)	83
2-FLUOROBIPHENYL (%)	61
TERPHENYL (%)	76
PHENOL-D6 (%)	55
2-FLUOROPHENOL (%)	57
2,4,6-TRIBROMOPHENOL (%)	51

92117-12

Analytical Technologies, Inc.

ADDITIONAL COMPOUNDS (SEMI-QUANTITATED)

TEST : SEMI-VOLATILE ORGANICS (EPA 8270)

ATI I.D. : 40137501

COMPOUNDS	RESULTS
TOTAL ALIPHATIC HYDROCARBONS	2000
TOTAL SUBSTITUTED BENZENES	400
SUBSTITUTED CYCLOHEXANE	60

92117.12

Analytical Technologies, Inc.

GCMS - RESULTS

REAGENT BLANK

TEST : SEMI-VOLATILE ORGANICS (EPA 8270)

CLIENT	: EL PASO NATURAL GAS CO.	ATI I.D.	: 401375
PROJECT #	: (NONE)	DATE EXTRACTED	: 01/28/94
PROJECT NAME	: KUTZ LINED POND @ BLANCO/SOIL PILES	DATE ANALYZED	: 02/03/94
CLIENT I.D.	: REAGENT BLANK	UNITS	: MG/KG
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
N-NITROSODIMETHYLAMINE	<0.17
PHENOL	<0.17
ANILINE	<0.17
BIS(2-CHLOROETHYL)ETHER	<0.17
2-CHLOROPHENOL	<0.17
1,3-DICHLOROBENZENE	<0.17
1,4-DICHLOROBENZENE	<0.17
BENZYL ALCOHOL	<0.17
1,2-DICHLOROBENZENE	<0.17
2-METHYLPHENOL	<0.17
BIS(2-CHLOROISOPROPYL)ETHER	<0.17
4-METHYLPHENOL	<0.17
N-NITROSO-DI-N-PROPYLAMINE	<0.17
HEXACHLOROETHANE	<0.17
NITROBENZENE	<0.17
ISOPHORONE	<0.17
2-NITROPHENOL	<0.17
2,4-DIMETHYLPHENOL	<0.17
BENZOIC ACID	<0.85
BIS(2-CHLOROETHOXY)METHANE	<0.17
2,4-DICHLOROPHENOL	<0.17
1,2,4-TRICHLOROBENZENE	<0.17
NAPHTHALENE	<0.17
4-CHLOROANILINE	<0.17
HEXACHLOROBUTADIENE	<0.17
4-CHLORO-3-METHYLPHENOL	<0.17
2-METHYLNAPHTHALENE	<0.17
HEXACHLOROCYCLOPENTADIENE	<0.17
2,4,6-TRICHLOROPHENOL	<0.17
2,4,5-TRICHLOROPHENOL	<0.85
2-CHLORONAPHTHALENE	<0.17
2-NITROANILINE	<0.85
DIMETHYLPHTHALATE	<0.17
ACENAPHTHYLENE	<0.17
3-NITROANILINE	<0.85
ACENAPHTHENE	<0.17
2,4-DINITROPHENOL	<0.85
4-NITROPHENOL	<0.85
DIBENZOFURAN	<0.17
2,4-DINITROTOLUENE	<0.17
2,6-DINITROTOLUENE	<0.17
DIETHYLPHTHALATE	<0.17
4-CHLOROPHENYL-PHENYLETHER	<0.17

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Analytical Technologies, Inc.

GCMS - RESULTS

REAGENT BLANK

ATI I.D. : 401375

TEST : SEMI-VOLATILE ORGANICS (EPA 8270)

COMPOUNDS	RESULTS
FLUORENE	<0.17
4-NITROANILINE	<0.85
4,6-DINITRO-2-METHYLPHENOL	<0.85
N-NITROSODIPHENYLAMINE	<0.17
4-BROMOPHENYL-PHENYLETHER	<0.17
HEXACHLOROBENZENE	<0.17
PENTACHLOROPHENOL	<0.85
PHENANTHRENE	<0.17
ANTHRACENE	<0.17
DI-N-BUTYLPHTHALATE	<0.17
FLUORANTHENE	<0.17
BENZIDINE	<1.7
PYRENE	<0.17
BUTYLBENZYLPHTHALATE	<0.17
3,3-DICHLOROBENZIDINE	<0.34
BENZO(a)ANTHRACENE	<0.17
BIS(2-ETHYLHEXYL)PHTHALATE	<0.17
CHRYSENE	<0.17
DI-N-OCTYLPHTHALATE	<0.17
BENZO(b)FLUORANTHENE	<0.17
BENZO(k)FLUORANTHENE	<0.17
BENZO(a)PYRENE	<0.17
INDENO(1,2,3-cd)PYRENE	<0.17
DIBENZO(a,h)ANTHRACENE	<0.17
BENZO(g,h,i)PERYLENE	<0.17

SURROGATE PERCENT RECOVERIES

NITROBENZENE-D5 (%)	75
2-FLUOROBIPHENYL (%)	65
TERPHENYL (%)	71
PHENOL-D6 (%)	71
2-FLUOROPHENOL (%)	70
2,4,6-TRIBROMOPHENOL (%)	68

Acceptable
2/19/04

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Analytical Technologies, Inc.

GCMS - RESULTS

REAGENT BLANK

ADDITIONAL COMPOUNDS (SEMI-QUANTITATED)

TEST : SEMI-VOLATILE ORGANICS (EPA 8270)

CLIENT : EL PASO NATURAL GAS CO. ATI I.D : 401375

COMPOUNDS	RESULTS
NO ADDITIONAL COMPOUNDS	

92117-12

Analytical Technologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 401375

TEST : SEMI-VOLATILE ORGANICS (EPA 8270)

CLIENT : EL PASO NATURAL GAS CO.
PROJECT # : (NONE)
PROJECT NAME : KUTZ LINED POND @ BLANCO/SOIL PILES
REF I.D. : 40137501

DATE ANALYZED : 02/04/94
SAMPLE MATRIX : NON-AQUEOUS
UNITS : MG/KG

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
1,2,4-TRICHLOROBENZENE	<0.85	1.7	1.7	100	1.6	94	6
ACENAPHTHENE	<0.85	1.7	1.6	94	1.1	65	37*
2,4-DINITROTOLUENE	<0.85	1.7	1.4	82	1.2	71	15
PYRENE	<0.85	1.7	2.3	135	2.6	153*	12
N-NITROSO-DI-N-PROPYLAMINE	<0.85	1.7	0.0	0*	0.0	0*	0*
1,4-DICHLOROBENZENE	<0.85	1.7	1.3	76	1.1	65	17
PENTACHLOROPHENOL	<4.2	3.3	2.4	73	2.4	73	0
PHENOL	<0.85	3.3	2.6	79	2.2	67	17
2-CHLOROPHENOL	<0.85	3.3	3.1	94	2.6	79	18
4-CHLORO-3-METHYLPHENOL	<0.85	3.3	3.3	100	3.2	97	3
4-NITROPHENOL	<4.2	3.3	1.6	48	1.4	42	13

Provides NOPd.
Accepted
2/9/94

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

* Result out of limits due to sample matrix interference

Analytical Technologies, Inc.

92117-14

QUALITY CONTROL DATA

ATI I.D. : 401375

TEST : SEMI-VOLATILE ORGANICS (EPA 8270)

CLIENT : EL PASO NATURAL GAS CO.
PROJECT # : (NONE) DATE ANALYZED : 02/03/94
PROJECT NAME : KUTZ LINED POND @ BLANCO SAMPLE MATRIX : NON-AQUEOUS
REF I.D. : 40249913 UNITS : MG/KG

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
1,2,4-TRICHLOROBENZENE	<0.17	1.7	1.3	76	1.4	82	7
ACENAPHTHENE	<0.17	1.7	1.3	76	1.3	76	0
2,4-DINITROTOLUENE	<0.17	1.7	1.2	71	1.1	65	9
PYRENE	<0.17	1.7	1.4	82	1.4	82	0
N-NITROSO-DI-N-PROPYL-AMINE	<0.17	1.7	1.6	94	1.6	94	0
1,4-DICHLOROBENZENE	<0.17	1.7	1.1	65	1.1	65	0
PENTACHLOROPHENOL	<0.85	3.3	2.4	73	2.4	73	0
PHENOL	<0.17	3.3	2.2	67	2.2	70	4
2-CHLOROPHENOL	<0.17	3.3	2.7	82	2.7	82	0
4-CHLORO-3-METHYLPHENOL	<0.17	3.3	2.3	70	2.3	70	0
4-NITROPHENOL	<0.85	3.3	2.2	67	2.2	67	0

Approved
2/17/94

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

Analytical Technologies, Inc. Albuquerque, NM

Chain of Custody

DATE 1/27/94 PAGE 1 OF 1

G2117-N

NETWORK PROJECT MANAGER: BETH PROFFITT

COMPANY: **Analytical Technologies, Inc.**

ADDRESS: 2709-D Pan American Freeway, NE
Albuquerque, NM 87107

CLIENT PROJECT MANAGER:

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	TOX	TOC	ORGANIC LEAD	SULFIDE	SURFACTANTS (MBAS)	632/632 MOD	619/619 MOD	610/8310	8240 (TCLP 1311) ZHE	Diesel/Gasoline/BTXE/MTBE/ (MOD 8015/8020)	Volatile Organics GC/MS (624/8240)	8270	NACE	ASBESTOS	1664 (HEM)	BOD	TOTAL COLIFORM	FECAL COLIFORM	PCBs Pesticides 8270 TCLP	GROSS ALPHA/BETA	RADIUM 226/228	AIR - O2, CO2, METHANE	AIR/Diesel/Gasoline/BTXE/ (MOD 8015/8020)	NUMBER OF CONTAINERS
401375-1	1/26/94	1105	Water	1											X	X			X				X					3

PROJECT INFORMATION

PROJECT NUMBER: 401375
PROJECT NAME: EPN
QC LEVEL: STD IV
QC REQUIRED: MS MSD BLANK
TAT: STANDARD RUSH

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS	3
CHAIN OF CUSTODY SEALS	N/A
INTACT?	Y
RECEIVED GOOD COND./COLD	Y
LAB NUMBER	401375

DUE DATE: 2/10/94
RUSH SURCHARGE:
CLIENT DISCOUNT: 10 %

W.O.#LK515

SAMPLES SENT TO:

SAN DIEGO	
FT. COLLINS	
RENTON	
PENSACOLA	
PHOENIX	X
BARRINGER	
FIBERQUANT	

RELINQUISHED BY: 1.
Signature: Terri Dottie Time: 1430
Printed Name: Terri Dottie Date: 1/27/94
Analytical Technologies, Inc.
Albuquerque

RECEIVED BY: (LAB) 1.
Signature: Time:
Printed Name: Date:
Company:

RELINQUISHED BY: 2.
Signature: Time:
Printed Name: Date
Company:

RECEIVED BY: (LAB) 2.
Signature: Time: 10:48
Printed Name: Richard A Shaw Date: 1/28/94
Company: ATI Phx

San Diego • Phoenix • Seattle • Pensacola • Ft. Collins • Portland • Albuquerque

DATE: 1-26-94 PAGE 1 OF 1

210 37

PLEASE FILL THIS FORM COMPLETELY. SHADED AREAS ARE FOR LAB USE ONLY.

PROJECT MANAGER: John Cambelin

COMPANY: El Paso Natural Gas Co.
ADDRESS: 720 W. Navajo
Farmington N. Mex. 87401
PHONE: (505) 599-2144
FAX: (505) 599-2261

BILL TO: Same
COMPANY:
ADDRESS:

SAMPLE ID	DATE	TIME	MATRIX	LAB ID
940146	1-26-94	1105	Soil	01

ANALYSIS REQUEST

Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE/MTBE (MOD 8015/8020)	3TXE/MTBE (8020)	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)	SDWA Primary Standards - Arizona	SDWA Secondary Standards - Arizona	SDWA Primary Standards - Federal	SDWA Secondary Standards - Federal	Ignitability	The 13 Priority Pollutant Metals	RCRA Metals by Total Digestion	RCRA Metals by TCLP (1311)	NUMBER OF CONTAINERS
									X	X						X			X	3

PROJECT INFORMATION

PROJ. NO: Kutz Gas Bond/Blanco
PROJ. NAME: Soil Piles
P.O. NO.:
SHIPPED VIA:

SAMPLE RECEIPT

NO. CONTAINERS	3
CUSTODY SEALS	Y / N / (NA)
RECEIVED INTACT	Y
RECEIVED COLD	Y

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK (NORMAL) ☒ 2 WEEK

Comments:
Charge Code for Analysis:
94B0106220019 - 0113 AA
*COC seal intact on outside of cooler.

SAMPLED & RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Rose E. Bizzell Time: 1402	Signature: Time:	Signature: Time:
Printed Name: Rose E. Bizzell Date: 1-26-94	Printed Name: Date:	Printed Name: Date:
Company: EPNG Phone: 505 599 2112	Company:	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: (LAB) 3.
Signature: Time:	Signature: Time:	Signature: Time: 1100
Printed Name: Date:	Printed Name: Date:	Printed Name: Terri Dettre Date: 1/27/94
Company:	Company:	Analytical Technologies, Inc.

ATI Labs: San Diego (619) 458-9141 • Phoenix (602) 496-4400 • Seattle (206) 228-8335 • Pensacola (904) 474-1001 • Portland (503) 684-0447 • Albuquerque (505) 344-3777 DISTRIBUTION: White, Canary - ATI • Pink - ORIGINATOR

92197

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ Ernie Busch 6/14/94 (Submitting this form for oilfield exempt waste is optional)	4. Generator Meridian Oil Inc
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site Val Verde Plant
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Envirotech
7. Location of Material (Street Address or ULSTR) A-14-T29N-R11W NMPM	8. State NM

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

Projected Dates(s) for Transportation: 6/14/94

BRIEF DESCRIPTION OF THE MATERIAL:

Continuation of Charcoal Filter Media

RECEIVED
JUL 08 1994
OIL CON. DIV.
DIST. 3

Rec 10 cy
BOL 4798
6/14/94
LF2-C24

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

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 6/15/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 7/8/94

APPROVED BY Ernie Busch TITLE Geo DATE 7/8/94

CONDITIONS OF APPROVAL, IF ANY:

Envirotech Exempt Waste Manifest
Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

Safety and Environmental

1. Waste Location: Lease/Well No. Val Verde Plant
2. Volume: 10 Cubic Yards X Barrels _____ Gallons
3. Description of Waste: Charcoal filter media
4. Method of Waste Generation: DEA filters
5. Disposal Cost: _____
6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal _____ (signature) Date 6-13-94

RECEIVED
JUL 06 1994
OIL CON. DIV.
DIST. 3

MOI Representative

Transportation Company: Envirotech

Date(s) Transported: 6-14-84

MOI Representative on Site Bert Hardesty Date 6-14-94
(signature)

Envirotech
Complete and return to Meridian Safety and Environmental with invoice.

Date(s) Received: 6-14-94

Total Volume Received: 10 yards

Waste Location : Cell/Grid No. C 24 Landfarm #2

Received By : _____ (signature)

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: Valverde Plant

Source: DEA Filters

Disposal Location: Envirotech Soil Remediation Facility (ESRF) Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for _____ concur with the status of the waste from the subject site.

Name Craig A. Bark
Title/Agency Agent Environmental Representative
Address P.O. Box 4289, Farmington NM, 87499-4289
Signature C. A. Bark
Date 6/14/94

JUL 08 1994
OIL CON. DIV.
DIST. 3

92197

CERTIFICATE OF WASTE TRANSPORT

Originating Location: Meridian Val Verde Plant A-14-T29N-R11W NMPM

Source of Contamination: Charcoal Filter Media

Generator: Meridian Oil Inc

Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 X

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

RECEIVED
JUL 08 1994
OIL CON. DIV.
DIST. 3

Name: Ray Womack

Company: Envirotech

Signature: Ray Womack

Date: 6/14/94

92117-11

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE XXXXXXXXXXXXXXXXXXXXXXXX

1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒ (Submitting this form for oilfield exempt waste is optional) TCLP	4. Generator El Paso Nat Gas
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site Chaco Plant
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Yucca
7. Location of Material (Street Address or ULSTR) SW/4 S16, T26N, R12W NMPM	8. State New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

Projected Dates(s) for Transportation: 6/94

BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated Soil From Replacement of Wastewater drain Lines.

RECEIVED
JUN 27 1994
OIL CON. DIV.
DIST. 3

RECEIVED
JUN 16 1994
OIL CON. DIV.
DIST. 3

Hauled 9/6/94

Estimated Volume 40 cy yd³ Known Volume (to be entered by the operator at the end of the haul): 162 yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 6/13/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 6/17/94

APPROVED BY Roger C. Anderson TITLE Env Bureau Chief DATE 6/21/94

CONDITIONS OF APPROVAL, IF ANY:

Sant Fe 6/17/94

92117-11

REQUEST FOR APPR. AL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒ (Submitting this form for oilfield exempt waste is optional) TCLP	4. Generator El Paso Nat Gas
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site Chaco Plant
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Yucca
7. Location of Material (Street Address or ULSTR) SW/4 S16, T26N, R12W NMPM	8. State New Mexico

9. **Check One**

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☒ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 6/94

BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated Soil From Replacement of Wastewater drain Lines.

RECEIVED
JUN 16 1994
OIL CON. DIV.
DIST. 3

Estimated Volume 40 cy yd³ Known Volume (to be entered by the operator at the end of the haul): _____ yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 6/13/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 6/17/94

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

SF 6/17/94

El Paso
Natural Gas Company

P. O. BOX 4990
FARMINGTON, NEW MEXICO 87499

June 10, 1994

Mr. Morris Young
Envirotech
5796 U.S. Highway 64-3014
Farmington, N.M. 87401

Subject : Contaminated Soil at Chaco Plant

Dear Mr. Young:

El Paso Natural Gas Company recently replaced the contact wastewater drainlines at Chaco Plant. During the project, some hydrocarbon contaminated soil was excavated and stockpiled. Since the soil is "nonexempt", the soil was sampled for ignitibility, and TCLP constituents. The attached analysis results show that the soil was below all of the ignitibility , TCLP metals, and TCLP volatiles regulatory limits.

EPNG requests permission to dispose the soil at your facility. Attached is Certification of Waste Status Form for the soil.

Please contact me upon approval from NMOCD for disposal of the "nonexempt" soil at your facility. If you have any questions, please call me at 599-2176.

Anu Pundari

Anu Pundari

cc: Mr. David Hall(EPNG)

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: Chaco Plant ; SW/4, Section 16, T26N, R12W

Source: Hydrocarbon contaminated soil excavated during recent Contact wastewater drainlines replacement project.

Disposal Location: Envirotech Soil Remediation Facility, (NMED) Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for El Paso Natural Gas concur with the status of the waste from the subject site.

Name Anu Pundari
Title/Agency Sr. Compliance Engr.
Address P.O. Box 4990
Farmington, NM 87499
Signature Anu Pundari
Date 6/10/94

Analytical **Technologies,** Inc.

2709-D Pan American Freeway, NE Albuquerque, NM 87107
Phone (505) 344-3777 FAX (505) 344-4413

ATI I.D. **404328**

April 27, 1994

El Paso Natural Gas Company
P.O. Box 4990
Farmington, NM 87499

Chaco Plant
Misc. Soil Pile Sampling.

Project Name/Number: SOIL FROM PIPING L5210

Attention: John Lambdin

On **04/07/94**, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze **non-aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

All analyses were performed by Analytical Technologies, Inc., 225 Commerce Drive, Fort Collins, CO.

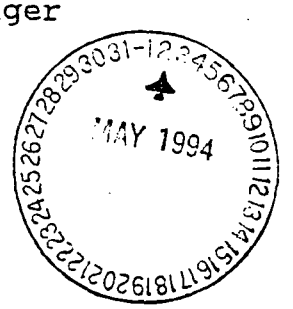
If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Letitia Krakowski, Ph.D.
Project Manager

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager

MR:jd

Enclosure

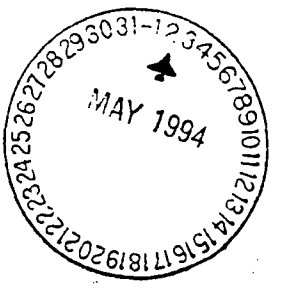


Analytical Technologies, Inc.

CLIENT	: EL PASO NATURAL GAS CO	DATE RECEIVED	: 04/07/94
PROJECT #	: L5210		
PROJECT NAME	: SOIL FROM PIPING	REPORT DATE	: 04/28/94

ATI ID: 404328

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	940668 - Clean Dirt #1	NON-AQ	04/06/94
02	940669 - Oil Stained Dirt #2	NON-AQ	04/06/94



---TOTALS---

MATRIX	#SAMPLES
NON-AQ	2

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

Analytical Technologies, Inc.

IGNITABILITY
Method 1010

Lab Name: Analytical Technologies, Inc.

Client Name: ATI-NM

Client Project ID: EPN -- 404328

Lab Workorder Number: 94-04-057

Date Collected: 04/06/94

Date Analyzed: 04/20/94

Sample Matrix: Solid

Sample ID	Lab Sample ID	Ignitable At (deg C)	Non-ignitable Below (deg C)
404328-1	94-04-057-01		96.5
404328-2	94-04-057-02		96.5

Passed!

5/5/94

Analytical Technologies, Inc.

TCLP METALS

Sample ID

TCLP Blank

Lab Name: Analytical Technologies, Inc.

Client Name: ATI - NM

Client Project ID: EPN -- 404328

Date Collected: N/A

Lab Sample ID: RB 94-04-057

Prep Date: 04/14,18/94

Sample Matrix: TCLP Leachate

Date Analyzed: 04/15,19/94

EPA HW Number	CAS Number	Analyte	Method	Concentration (mg/L)	Detection Limit (mg/L)
D004	7440-38-2	Arsenic	6010	ND	0.06
D005	7440-39-3	Barium	6010	ND	1
D006	7440-43-9	Cadmium	6010	ND	0.005
D007	7440-47-3	Chromium	6010	ND	0.01
D008	7439-92-1	Lead	6010	ND	0.05
D009	7439-97-6	Mercury	7470	ND	0.002
D010	7782-49-2	Selenium	6010	ND	0.1
D011	7440-22-4	Silver	6010	ND	0.01

ND= Not Detected

Accepted.

5/5/94

Analytical Technologies, Inc.

TCLP METALS

946668
Clean Soil
Dirt Pile #1

Lab Name: Analytical Technologies, Inc.

Sample ID: 404328-1

Client Name: ATI - NM

Client Project ID: EPN -- 404328

Date Collected: 04/06/94

Lab Sample ID: 94-04-057-01

Prep Date: 04/14,18/94

Sample Matrix: TCLP Leachate

Date Analyzed: 04/15,19/94

EPA HW Number	CAS Number	Analyte	Method	Concentration (mg/L)	Detection Limit (mg/L)	RCRA Limit
D004	7440-38-2	Arsenic	6010	ND	0.06	5.0
D005	7440-39-3	Barium	6010	2	1	100
D006	7440-43-9	Cadmium	6010	0.007	0.005	1.0
D007	7440-47-3	Chromium	6010	0.03	0.01	5.0
D008	7439-92-1	Lead	6010	0.06	0.05	5.0
D009	7439-97-6	Mercury	7470	ND	0.002	0.2
D010	7782-49-2	Selenium	6010	ND	0.1	1.0
D011	7440-22-4	Silver	6010	ND	0.01	5.0

ND = Not Detected

Passed.
5/5/94

Analytical Technologies, Inc.

TCLP METALS

940669

Sample ID: 404328-2

Oil Stained Dirt Pile #2

Lab Name: Analytical Technologies, Inc.

Client Name: ATI - NM

Client Project ID: EPN -- 404328

Lab Sample ID: 94-04-057-02

Sample Matrix: TCLP Leachate

Date Collected: 04/06/94

Prep Date: 04/14,18/94

Date Analyzed: 04/15,19/94

EPA HW Number	CAS Number	Analyte	Method	Concentration (mg/L)	Detection Limit (mg/L)
D004	7440-38-2	Arsenic	6010	ND	0.06
D005	7440-39-3	Barium	6010	1	1
D006	7440-43-9	Cadmium	6010	ND	0.005
D007	7440-47-3	Chromium	6010	ND	0.01
D008	7439-92-1	Lead	6010	0.16	0.05
D009	7439-97-6	Mercury	7470	ND	0.002
D010	7782-49-2	Selenium	6010	ND	0.1
D011	7440-22-4	Silver	6010	ND	0.01

ND = Not Detected

Passed

5/5/94

Analytical Technologies, Inc.

TCLP METALS MATRIX SPIKE

Sample ID
404328-1

Lab Name: Analytical Technologies, Inc.

Prep Date: 04/14,18/94

Client Name: ATI - NM

Date Analyzed: 04/15,19/94

Lab Sample ID: 94-04-057-01

Sample Matrix: TCLP Leachate

Analyte	Spike Added (mg/L)	Sample Concentration (mg/L)	MS Concentration (mg/L)	MS Percent Recovery
Arsenic	2.0	< 0.06	2.1	105
Barium*	2	2	3.5	75
Cadmium	0.050	0.007	0.054	94
Chromium	0.20	0.03	0.22	95
Lead	0.50	0.06	0.54	96
Mercury	0.020	< 0.002	0.015	75
Selenium	2.0	< 0.1	2.2	110
Silver	0.20	< 0.01	0.20	100

*Analytical (Post-Digestion) Spike

Analyte	MSD Concentration (mg/L)	MSD Percent Recovery	RPD %
Arsenic	2.1	105	0
Cadmium	0.054	94	0
Chromium	0.23	100	4
Lead	0.56	100	4
Mercury	0.019	95	24
Selenium	2.2	110	0
Silver	0.20	100	0

Acceptable. 5/5/94

Analytical Technologies, Inc.

TCLP VOLATILE ORGANICS

Method 8240

940668
Clean Soil
Pile #1

Sample ID: 404328-1

Lab Name: Analytical Technologies, Inc.
Client Name: ATI-NM
Client Project ID: EPN -- 404328
Lab Sample ID: 94-04-057-01

Date Collected: 04/06/94
Date Extracted: 04/11/94
Date Analyzed: 04/12/94

Sample Matrix: TCLP Leachate
Sample Volume: 0.5 mL

EPA HW Number	Analyte	CAS Number	Result (mg/L)	Detection Limit (mg/L)
D043	Vinyl chloride	75-01-4	ND	0.1
D029	1,1-Dichloroethylene	75-35-4	ND	0.1
D022	Chloroform	67-66-3	ND	0.1
D028	1,2-Dichloroethane	107-06-2	ND	0.1
D035	Methyl ethyl ketone	78-93-3	ND	0.1
D019	Carbon tetrachloride	56-23-5	ND	0.1
D040	Trichloroethylene	79-01-6	ND	0.1
D018	Benzene	71-43-2	ND	0.1
D039	Tetrachloroethylene	127-18-4	ND	0.1
D021	Chlorobenzene	108-90-7	ND	0.1

SURROGATE RECOVERIES

Analyte	% Recovery	% Rec Limits
1,2-Dichloroethane-d4	102	76 - 114
Toluene-d8	100	88 - 110
Bromofluorobenzene	100	86 - 115

ND = Not Detected

PACSED

5/5/94

Analytical Technologies, Inc.

TCLP VOLATILE ORGANICS

Method 8240

940669

Oil Stained Soil Pile #2

Sample ID: 404328-2

Lab Name: Analytical Technologies, Inc.
Client Name: ATI-NM
Client Project ID: EPN -- 404328
Lab Sample ID: 94-04-057-02

Date Collected: 04/06/94
Date Extracted: 04/11/94
Date Analyzed: 04/12/94

Sample Matrix: TCLP Leachate
Sample Volume: 0.5 mL

EPA HW Number	Analyte	CAS Number	Result (mg/L)	Detection Limit (mg/L)
D043	Vinyl chloride	75-01-4	ND	0.1
D029	1,1-Dichloroethylene	75-35-4	ND	0.1
D022	Chloroform	67-66-3	ND	0.1
D028	1,2-Dichloroethane	107-06-2	ND	0.1
D035	Methyl ethyl ketone	78-93-3	ND	0.1
D019	Carbon tetrachloride	56-23-5	ND	0.1
D040	Trichloroethylene	79-01-6	ND	0.1
D018	Benzene	71-43-2	ND	0.1
D039	Tetrachloroethylene	127-18-4	ND	0.1
D021	Chlorobenzene	108-90-7	ND	0.1

SURROGATE RECOVERIES

Analyte	% Recovery	% Rec Limits
1,2-Dichloroethane-d4	101	76 - 114
Toluene-d8	100	88 - 110
Bromofluorobenzene	99	86 - 115

ND = Not Detected

Passed.

5/5/95

Analytical Technologies, Inc.

TCLP VOLATILE ORGANICS

Method 8240

Sample ID
TCLP Reagent Blank

Lab Name: Analytical Technologies, Inc.
Client Name: ATI-NM
Client Project ID: EPN -- 404328
Lab Sample ID: TCLPRB1 04/11/94

Date Collected: N/A
Date Extracted: 04/11/94
Date Analyzed: 04/12/94

Sample Matrix: TCLP Leachate
Sample Volume: 0.5 mL

EPA HW Number	Analyte	CAS Number	Result (mg/L)	Detection Limit (mg/L)
D043	Vinyl chloride	75-01-4	ND	0.1
D029	1,1-Dichloroethylene	75-35-4	ND	0.1
D022	Chloroform	67-66-3	ND	0.1
D028	1,2-Dichloroethane	107-06-2	ND	0.1
D035	Methyl ethyl ketone	78-93-3	ND	0.1
D019	Carbon tetrachloride	56-23-5	ND	0.1
D040	Trichloroethylene	79-01-6	ND	0.1
D018	Benzene	71-43-2	ND	0.1
D039	Tetrachloroethylene	127-18-4	ND	0.1
D021	Chlorobenzene	108-90-7	ND	0.1

SURROGATE RECOVERIES

Analyte	% Recovery	% Rec Limits
1,2-Dichloroethane-d4	101	76 - 114
Toluene-d8	99	88 - 110
Bromofluorobenzene	99	86 - 115

ND = Not Detected

Accepted
5/5/94

Analytical Technologies, Inc.

TCLP VOLATILE ORGANICS

Method 8240

Sample ID

Reagent Blank

Lab Name: Analytical Technologies, Inc.
Client Name: ATI-NM
Client Project ID: EPN -- 404328
Lab Sample ID: WRB1 04/12/94

Date Collected: N/A
Date Extracted: N/A
Date Analyzed: 04/12/94

Sample Matrix: Water
Sample Volume: 5 mL

EPA HW Number	Analyte	CAS Number	Result (mg/L)	Detection Limit (mg/L)
D043	Vinyl chloride	75-01-4	ND	0.01
D029	1,1-Dichloroethylene	75-35-4	ND	0.01
D022	Chloroform	67-66-3	ND	0.01
D028	1,2-Dichloroethane	107-06-2	ND	0.01
D035	Methyl ethyl ketone	78-93-3	ND	0.01
D019	Carbon tetrachloride	56-23-5	ND	0.01
D040	Trichloroethylene	79-01-6	ND	0.01
D018	Benzene	71-43-2	ND	0.01
D039	Tetrachloroethylene	127-18-4	ND	0.01
D021	Chlorobenzene	108-90-7	ND	0.01

SURROGATE RECOVERIES

Analyte	% Recovery	% Rec Limits
1,2-Dichloroethane-d4	101	76 - 114
Toluene-d8	101	88 - 110
Bromofluorobenzene	99	86 - 115

ND = Not Detected

Acceptable
5/5/94

Analytical Technologies, Inc.

TCLP VOLATILE MATRIX SPIKE RECOVERY

Method 8240

Sample ID

In House

Lab Name: Analytical Technologies, Inc.
Client Name: ATI-NM
Client Project ID: EPN -- 404328
Lab Sample ID: 94-04-002-01

Sample Matrix: TCLP Leachate
Sample Volume: 0.5 mL

Date Collected: 03/30/94
Date Extracted: 04/11/94
Date Analyzed: 04/12/94

Analyte	Spike Added (mg/L)	Sample Concentration (mg/L)	MS Concentration (mg/L)	MS % Rec	QC Limit Recovery
Vinyl chloride	0.500	ND	0.389	78	49 - 132
1,1-Dichloroethylene	0.500	ND	0.476	95	65 - 126
Chloroform	0.500	ND	0.502	100	68 - 123
1,2-Dichloroethane	0.500	ND	0.505	101	61 - 122
Methyl ethyl ketone	0.500	ND	0.502	100	26 - 156
Carbon tetrachloride	0.500	ND	0.510	102	80 - 110
Trichloroethylene	0.500	ND	0.483	97	81 - 108
Benzene	0.500	ND	0.499	100	60 - 129
Tetrachloroethylene	0.500	0.02	0.525	101	75 - 116
Chlorobenzene	0.500	ND	0.516	103	81 - 107

SURROGATE RECOVERIES

Analyte	% Recovery	% Rec Limits
1,2-Dichloroethane-d4	102	76 - 114
Toluene-d8	100	88 - 110
Bromofluorobenzene	100	86 - 115

ND = Not Detected

Acceptable.
5/5/95

Analytical Technologies, Inc.

TCLP SEMIVOLATILE ORGANICS

Method 8270

940668

Clean Soil Pile #1

Sample ID
404328-1

Lab Name: Analytical Technologies, Inc.
Client Name: ATI - NM
Client Project: EPN -- 404328
Lab Sample ID.: 94-04-057-01

Date Collected: 4/06/94
Date Extracted: 4/15/94
Date Analyzed: 4/18/94

Sample Matrix: TCLP Leachate
Cleanup: None

Sample Volume: 100 mL
Final Volume: 1 mL

EPA HW Number	Analyte	CAS Number	Result (mg/L)	Detection Limit (mg/L)
D023	o-Cresol	95-48-7	ND	0.1
D024	m-Cresol	108-39-4	ND	0.1
D025	p-Cresol	106-44-5	ND	0.1
D026	Total o,m,p-Cresol		ND	0.1
D027	1,4-Dichlorobenzene	106-46-7	ND	0.1
D030	2,4-Dinitrotoluene	121-14-2	ND	0.1
D032	Hexachlorobenzene	118-74-1	ND	0.1
D033	Hexachlorobutadiene	87-68-3	ND	0.1
D034	Hexachloroethane	67-72-1	ND	0.1
D036	Nitrobenzene	98-95-3	ND	0.1
D037	Pentachlorophenol	87-86-5	ND	0.5
D038	Pyridine	110-86-1	ND	0.1
D041	2,4,5-Trichlorophenol	95-95-4	ND	0.5
D042	2,4,6-Trichlorophenol	88-06-2	ND	0.1

SURROGATE RECOVERIES

Analyte	% Recovery	% Rec Limits
2-Fluorophenol	34	21-110
Phenol-d5	37	10-110
Nitrobenzene-d5	49	35-114
2-Fluorobiphenyl	47	43-116
2,4,6-Tribromophenol	36	10-123
Terphenyl-d14	50	33-141

Passed!
5/5/94

ND = Not detected

Analytical Technologies, Inc.

TCLP SEMIVOLATILE ORGANICS

Method 8270

940669

Oil Stained Soil Pile #2

Sample ID
404328-2

Lab Name: Analytical Technologies, Inc.
Client Name: ATI - NM
Client Project: EPN -- 404328
Lab Sample ID.: 94-04-057-02

Date Collected: 4/06/94
Date Extracted: 4/15/94
Date Analyzed: 4/18/94

Sample Matrix: TCLP Leachate
Cleanup: None

Sample Volume: 100 mL
Final Volume: 1 mL

EPA HW Number	Analyte	CAS Number	Result (mg/L)	Detection Limit (mg/L)
D023	o-Cresol	95-48-7	ND	0.1
D024	m-Cresol	108-39-4	ND	0.1
D025	p-Cresol	106-44-5	ND	0.1
D026	Total o,m,p-Cresol		ND	0.1
D027	1,4-Dichlorobenzene	106-46-7	ND	0.1
D030	2,4-Dinitrotoluene	121-14-2	ND	0.1
D032	Hexachlorobenzene	118-74-1	ND	0.1
D033	Hexachlorobutadiene	87-68-3	ND	0.1
D034	Hexachloroethane	67-72-1	ND	0.1
D036	Nitrobenzene	98-95-3	ND	0.1
D037	Pentachlorophenol	87-86-5	ND	0.5
D038	Pyridine	110-86-1	ND	0.1
D041	2,4,5-Trichlorophenol	95-95-4	ND	0.5
D042	2,4,6-Trichlorophenol	88-06-2	ND	0.1

SURROGATE RECOVERIES

Analyte	% Recovery	% Rec Limits
2-Fluorophenol	16*	21-110
Phenol-d5	25	10-110
Nitrobenzene-d5	56	35-114
2-Fluorobiphenyl	54	43-116
2,4,6-Tribromophenol	15	10-123
Terphenyl-d14	60	33-141

Passed 5/5/94

ND = Not detected
* = Outside QC limits

Analytical Technologies, Inc.

TCLP SEMIVOLATILE ORGANICS

Method 8270

Sample ID

TCLP Blank

Lab Name: Analytical Technologies, Inc.
Client Name: ATI - NM
Client Project: EPN -- 404328
Lab Sample ID.: SRB2 4/15/94

Date Collected: N/A
Date Extracted: 4/15/94
Date Analyzed: 4/18/94

Sample Matrix: TCLP Leachate
Cleanup: None

Sample Volume: 100 mL
Final Volume: 1 mL

EPA HW Number	Analyte	CAS Number	Result (mg/L)	Detection Limit (mg/L)
D023	o-Cresol	95-48-7	ND	0.1
D024	m-Cresol	108-39-4	ND	0.1
D025	p-Cresol	106-44-5	ND	0.1
D026	Total o,m,p-Cresol		ND	0.1
D027	1,4-Dichlorobenzene	106-46-7	ND	0.1
D030	2,4-Dinitrotoluene	121-14-2	ND	0.1
D032	Hexachlorobenzene	118-74-1	ND	0.1
D033	Hexachlorobutadiene	87-68-3	ND	0.1
D034	Hexachloroethane	67-72-1	ND	0.1
D036	Nitrobenzene	98-95-3	ND	0.1
D037	Pentachlorophenol	87-86-5	ND	0.5
D038	Pyridine	110-86-1	ND	0.1
D041	2,4,5-Trichlorophenol	95-95-4	ND	0.5
D042	2,4,6-Trichlorophenol	88-06-2	ND	0.1

SURROGATE RECOVERIES

Analyte	% Recovery	% Rec Limits
2-Fluorophenol	48	21-110
Phenol-d5	48	10-110
Nitrobenzene-d5	46	35-114
2-Fluorobiphenyl	46	43-116
2,4,6-Tribromophenol	52	10-123
Terphenyl-d14	55	33-141

Acceptable
JP
5/5/94

ND = Not detected

200

Analytical Technologies, Inc.

TCLP SEMIVOLATILE ORGANICS MATRIX SPIKE

Method 8270

Sample ID

404328-2

Lab Name: Analytical Technologies, Inc.
Client Name: ATI - NM
Client Project: EPN -- 404328
Lab Sample ID: 94-04-057-02

Date Collected: 4/06/94
Date Extracted: 4/15/94
Date Analyzed: 4/18/94

Sample Matrix: TCLP Leachate
Cleanup: None

Sample Volume: 100 mL
Final Volume: 1 mL

Analyte	Spike Added (mg/L)	Sample Concentration (mg/L)	MS Concentration (mg/L)	MS % Rec	QC Limit Recovery
Pyridine	0.50	ND	0.167	33	D - 104
1,4-Dichlorobenzene	0.50	ND	0.286	57	D - 99
2-Methylphenol	1.00	ND	0.568	57	D - 134
3 and 4-Methylphenol	2.00	ND	1.017	51	D - 112
Hexachloroethane	0.50	ND	0.290	58	D - 110
Nitrobenzene	0.50	ND	0.319	64	10 - 121
Hexachlorobutadiene	0.50	ND	0.278	56	D - 98
2,4,6-Trichlorophenol	1.00	ND	0.249	25	D - 106
2,4,5-Trichlorophenol	1.00	ND	0.481	48	D - 114
2,4-Dinitrotoluene	0.50	ND	0.312	62	D - 117
Hexachlorobenzene	0.50	ND	0.314	63	1 - 112
Pentachlorophenol	1.00	ND	0.277	28	D - 123

SURROGATE RECOVERIES

Analyte	% Recovery	% Rec Limits
2-Fluorophenol	34	21-110
Phenol-d5	43	10-110
Nitrobenzene-d5	60	35-114
2-Fluorobiphenyl	56	43-116
2,4,6-Tribromophenol	13	10-123
Terphenyl-d14	59	33-141

Acceptable
5/5/94

ND = Not detected

92118

REQUEST FOR APPR[illegible] TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒ (Submitting this form for oilfield exempt waste is optional)	4. Generator Halliburton Resource Management
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site HRM Main Yard
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter [illegible]
7. Location of Material (Street Address or ULSTR) 1125 US Hwy 550, Aztec, NM	8. State NM

OIL CONSERVATION DIVISION
RE[illegible]
'94 JUN 13 AM 8 30

9. **Check One**

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

Projected Dates(s) for Transportation: 6/94

BRIEF DESCRIPTION OF THE MATERIAL:

Wash Bay Solids suspended in Semi-liquid/Semi-solid phase.
To be stabilized in Blending Facility in Landfarm #2.
TCLP of dried wash Bay solids included.

RECEIVED
JUN 20 1994
OIL CON. DIV.
DIST. 3

RECEIVED
JUN 16 1994
OIL CONSERVATION DIVISION
SANTA FE

RECEIVED
JUN 10 1994
OIL CON. DIV.
DIST. 3

Hauled 11/10/94
180 bbls
stabilized

200 - 300 barrels Semi-Solids

Estimated Volume _____ yd³ Known Volume (to be entered by the operator at the end of the haul): 160 yd³

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

SIGNATURE Robert M. Young TITLE Land Farm Supervisor DATE 6/8/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 6/10/94

APPROVED BY [signature] TITLE Env. Bureau Chief DATE 6/16/94

CONDITIONS OF APPROVAL, IF ANY: OK CE

SF 6/10/94

92118

REQUEST FOR APPRO[illegible] TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒ Not Asked (Submitting this form for oilfield exempt waste is optional)	4. Generator Halliburton Resource Management
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site HRM Main Yard
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Envirotech
7. Location of Material (Street Address or ULSTR) 1125 US Hwy 550, Aztec, NM	8. State NM

9. **Check One**

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☒ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 5/94

BRIEF DESCRIPTION OF THE MATERIAL:

Continuation of solids generated from wash bay operations at Company Shop.

Current TCLP enclosed

RECEIVED
JUN 10 1994
OIL CON. DIV.
DIST. 3

Estimated Volume 11 yd³ Known Volume (to be entered by the operator at the end of the haul): _____ yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 6/8/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Santa Fe 6/10/94

ENVIROTECH INC.

92118

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 · 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: Halliburton Resource Management - 1125 US Hwy 550, Aztec NM

Source: Wash Bay Solids From Company Wash Bay

Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Halliburton Resource Mgmt. concur with the status of the waste from the subject site.

Name Halliburton Energy Services
Title/Agency well Control
Address 1125 U.S. Hwy 550
Aztec NM 87410
Signature [signature]
Date 6/8/94

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

RCRA CHARACTERISTICS

Client:	HRM	Project #:	92118
Sample ID:	Wash Bay Solids	Date Reported:	05-19-94
Lab ID#:	7359	Date Sampled:	05-06-94
Sample Matrix:	Soil	Date Received:	05-06-94
Preservative:	Cool	Date Analyzed:	05-19-94
Condition:	Cool & Intact		

IGNITABILITY: Did not ignite upon direct contact with flame after heating to 60°c.

CORROSIVITY: pH of 8.51

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

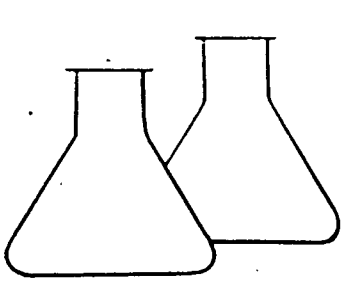
Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: pH $\leq$ 2.0 or pH $\geq$ 12.5 is hazardous waste.

1125 US Hwy. 550, Aztec, NM 5 point composite

Analyst

Reviewed



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	HRM	Project #:	92118
Sample ID:	Wash Bay Solids	Date Reported:	05-30-94
Laboratory Number:	7359	Date Sampled:	05-06-94
Sample Matrix:	Soil	Date Received:	05-06-94
Preservative:	Cool	Date Extracted:	05-19-94
Condition:	Cool & Intact	Date Analyzed:	05-29-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.007	0.2
1,1-Dichloroethene	ND	0.005	0.7
2-Butanone	ND	0.005	200
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	95 %
Bromofluorobenzene	99 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments: 1125 US Hwy 550, Aztec, NM 5-point composite

Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	HRM	Project #:	92118
Sample ID:	Wash Bay Solids	Date Reported:	06-02-94
Laboratory Number:	7359	Date Sampled:	05-06-94
Sample Matrix:	Soil	Date Received:	05-06-94
Preservative:	Cool	Date Extracted:	05-19-94
Condition:	Cool & Intact	Date Analyzed:	06-02-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.023	100.0

SURROGATE RECOVERY

Parameter	Percent Recovery
2-fluorophenol	100 %
2,4,6-tribromophenol	100 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments: 1125 US Hwy 550, Aztec, NM 5 point composite

Analyst

Review

ENVIROTECH LABS
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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	HRM	Project #:	92118
Sample ID:	Wash Bay Solids	Date Reported:	06-02-94
Laboratory Number:	7359	Date Sampled:	05-06-94
Sample Matrix:	Soil	Date Received:	05-06-94
Preservative:	Cool	Date Extracted:	05-19-94
Condition:	Cool and Intact	Date Analyzed:	06-01-94
		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

SURROGATE RECOVERY:

Parameter	Percent Recovery
2-fluorobiphenyl	99 %

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments: 1125 US Hwy 550, Aztec, NM 5 point composite

Analyst

Review

ENVIROTECH LABS
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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	HRM	Project #:	92118
Sample ID:	Wash Bay Solids	Date Reported:	05-31-94
Laboratory Number:	7359	Date Sampled:	05-06-94
Sample Matrix:	Soil	Date Received:	05-06-94
Preservative:	Cool	Date Analyzed:	05-29-94
Condition:	Cool & Intact	Date Extracted:	05-19-94
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	0.006	0.001	5.000
BARIUM	2.05	0.1	100.0
CADMIUM	0.012	0.001	1.000
CHROMIUM	ND	0.001	5.000
LEAD	0.011	0.001	5.000
MERCURY	ND	0.002	0.200
SELENIUM	ND	0.001	1.000
SILVER	ND	0.01	5.00

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

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

ND - Parameter not detected at the stated detection limit.

Comments: 1125 US Hwy 550, Aztec, NM 5 point composite

Analyst

Review

ENVIROTECH LABORATORIES

5796 U.S. HIGHWAY 64-3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	05-30-94
Laboratory Number:	0529TCV.BLK	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	05-29-94
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.007	0.2
2-Butanone	ND	0.005	200
1,1-Dichloroethene	ND	0.005	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	97 %
Bromofluorobenzene	98 %

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst Revie

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	05-30-94
Laboratory Number:	0519TCV.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	05-19-94
Condition:	Cool & Intact	Date Analyzed:	05-29-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.007	0.2
1,1-Dichloroethene	ND	0.005	0.7
2-Butanone	ND	0.005	200
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	95 %
Bromofluorobenzene	101 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank

Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

** QUALITY ASSURANCE EPA METHODS 8010/8020
MATRIX SPIKE - AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Spike	Date Reported:	05-30-94
Laboratory Number:	7359STCV.	Date Sampled:	05-06-94
Sample Matrix:	Soil	Date Received:	05-06-94
Analysis Requested:	TCLP	Date Analyzed:	05-29-94
Condition:	NA		

Parameter	Sample Result (ug/L)	Spike Added (ug/L)	Spiked Sample Result (ug/L)	Det. Limit (ug/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	10.0	16.6	7.0	98	28-163
1,1-Dichloroethene	ND	10.0	13.5	5.4	97	43-143
2-Butanone	ND	10.0	12.1	5.4	97	47-132
Chloroform	ND	10.0	9.5	5.0	95	49-133
Carbon Tetrachloride	ND	10.0	9.4	5.0	94	43-143
Benzene	ND	10.0	9.7	5.3	92	39-150
1,2-Dichloroethane	ND	10.0	9.7	5.0	97	51-147
Trichloroethene	ND	10.0	9.4	5.0	92	35-146
Tetrachloroethene	ND	10.0	9.9	5.1	99	26-162
Chlorobenzene	ND	10.0	9.7	5.0	96	38-150
1,4-Dichlorobenzene	ND	10.0	10.0	5.0	100	42-143

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	06-02-94
Laboratory Number:	0601TCA.BLK	Date Sampled:	NA
Sample Matrix:	2-Propanol	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	06-02-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	400.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.023	100.0

SURROGATE RECOVERY

Parameter	Percent Recovery
2-fluorophenol	102 %
2,4,6-tribromophenol	102 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIRO-TECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	06-02-94
Laboratory Number:	0519TCA.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	05-19-94
Condition:	Cool & Intact	Date Analyzed:	06-02-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.023	100.0

SURROGATE RECOVERY	Parameter	Percent Recovery
	2-fluorophenol	98 %
	2,4,6-tribromophenol	98 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank

Analyst

Review

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	06-02-94
Laboratory Number:	0601TBN.BLK	Date Sampled:	NA
Sample Matrix:	Hexane	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	06-01-94
		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

SURROGATE RECOVERY:

Parameter	Percent Recovery
2-fluorobiphenyl	101 %

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS
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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	06-02-94
Laboratory Number:	0519TBN.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	05-19-94
Condition:	Cool and Intact	Date Analyzed:	06-01-94
		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

SURROGATE RECOVERY:

Parameter	Percent Recovery
2-fluorobiphenyl	97 %

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank

Analyst

Review

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - BLANKS

Client:	NA	Project #:	NA
Sample ID:	Blanks	Date Reported:	05-31-94
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	05-29-94
Condition:	NA	Date Extracted:	NA

Parameter	Instrument Blank (mg/L)	Extraction Sol. Blank (mg/L)	Det. Limit (mg/L)
ARSENIC	ND	ND	0.001
BARIUM	ND	ND	0.1
CADMIUM	ND	ND	0.001
CHROMIUM	ND	ND	0.001
LEAD	ND	ND	0.001
MERCURY	ND	ND	0.002
SELENIUM	ND	ND	0.001
SILVER	ND	ND	0.01

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

QUALITY ASSURANCE REPORT
EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - MATRIX SPIKE

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	05-31-94
Laboratory Number:	NA	Date Sampled:	05-06-94
Sample Matrix:	TCLP Extract	Date Received:	05-06-94
Analysis Requested:	TCLP	Date Analyzed:	05-29-94
Condition:	NA	Date Extracted:	05-19-94

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
ARSENIC	0.100	0.006	0.106	100
BARIUM	10.0	2.05	12.1	101
CADMIUM	0.100	0.012	0.112	100
CHROMIUM	0.100	ND	0.099	99
LEAD	0.100	0.011	0.112	101
MERCURY	0.050	ND	0.049	98
SELENIUM	0.100	ND	0.099	99
SILVER	1.00	ND	1.006	101

QA ACCEPTANCE CRITERIA:

Parameter	Acceptance Range %
TCLP Metals	80 - 120

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location	ANALYSIS/PARAMETERS
HRM 9.2118	1125 US Hwy 550, Aztec, NM	

Sampler: (Signature) Robert M Young

Chain of Custody Tape No.

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TCLP w/ Restraints						Remarks
~~5720~~ Wash bay Solids	5/6/94	1030	7359	SOIL	1	✓						5 point Composite

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Robert M Young	5/6/94	1103	Debra L. Spencer	5-6-94	1103
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

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

san juan repro Form 578-81

9/2118

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒ Not Asked (Submitting this form for oilfield exempt waste is optional)	4. Generator Halliburton Resource Management
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site HRM Main Yard
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Envirotech
7. Location of Material (Street Address or ULSTR) 1125 US Hwy 550, Aztec, NM	8. State NM

9. **Check One**

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☒ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 5/94

BRIEF DESCRIPTION OF THE MATERIAL:

Continuation of solids generated from wash bay operations at Company Shop.

Current TCLP enclosed

RECEIVED
JUN 20 1994
OIL CON. DIV.
DIST. 3

RECEIVED
JUN 16 1994
OIL CONSERVATION DIV.
SANTA FE

RECEIVED
JUN 1[illegible] 1994
OIL CON. DIV.
DIST. 3

Estimated Volume 11 yd³ Known Volume (to be entered by the operator at the end of the haul): 20 yd

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 6/8/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 6/10/94

APPROVED BY [signature] TITLE Env Bureau Chief DATE 6/16/94

CONDITIONS OF APPROVAL, IF ANY: OK CK

SF

92118

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒ (Submitting this form for oilfield exempt waste is optional)	4. Generator Halliburton Resource Management
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site HRM Main Yard
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Ea
7. Location of Material (Street Address or ULSTR) 1125 US Hwy 550, Aztec, NM	8. State NM

9. **Check One**

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☒ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 6/94

BRIEF DESCRIPTION OF THE MATERIAL:

Wash Bay Solids suspended in Semi-liquid/Semi-Solid phase.
To be stabilized in Blending Facility in Landfarm #2.
TCLP of dried wash Bay solids included.

RECEIVED
JUN 10 1994
OIL CON. DIV.
DIST. 3

200 - 300 barrels Semi-Solids
Estimated Volume _____ yd³ Known Volume (to be entered by the operator at the end of the haul): _____ yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 6/8/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Santa Fe 6/10/94

ENVIROTECH INC.

92118

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: Halliburton Resource Management - 1125 US Hwy 550, Aztec, NM

Source: Wash Bay Solids From Company Wash Bay Sump (Semi Solids/semi l

Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Halliburton Resource Mgmt. concur with the status of the waste from the subject site.

Name Halliburton Energy Services
Title/Agency well Control
Address 1125 U.S. Hwy 550
Aztec NM 87410
Signature
Date 6/8/94

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

RCRA CHARACTERISTICS

Client:	HRM	Project #:	92118
Sample ID:	Wash Bay Solids	Date Reported:	05-19-94
Lab ID#:	7359	Date Sampled:	05-06-94
Sample Matrix:	Soil	Date Received:	05-06-94
Preservative:	Cool	Date Analyzed:	05-19-94
Condition:	Cool & Intact		

IGNITABILITY: Did not ignite upon direct contact with flame after heating to 60°c.

CORROSIVITY: pH of 8.51

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

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: pH $\leq$ 2.0 or pH $\geq$ 12.5 is hazardous waste.

1125 US Hwy. 550, Aztec, NM 5 point composite

Analyst

Reviewed

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	HRM	Project #:	92118
Sample ID:	Wash Bay Solids	Date Reported:	05-30-94
Laboratory Number:	7359	Date Sampled:	05-06-94
Sample Matrix:	Soil	Date Received:	05-06-94
Preservative:	Cool	Date Extracted:	05-19-94
Condition:	Cool & Intact	Date Analyzed:	05-29-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.007	0.2
1,1-Dichloroethene	ND	0.005	0.7
2-Butanone	ND	0.005	200
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	95 %
Bromofluorobenzene	99 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments: 1125 US Hwy 550, Aztec, NM 5-point composite

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	HRM	Project #:	92118
Sample ID:	Wash Bay Solids	Date Reported:	06-02-94
Laboratory Number:	7359	Date Sampled:	05-06-94
Sample Matrix:	Soil	Date Received:	05-06-94
Preservative:	Cool	Date Extracted:	05-19-94
Condition:	Cool & Intact	Date Analyzed:	06-02-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.023	100.0

SURROGATE RECOVERY	Parameter	Percent Recovery
	2-fluorophenol	100 %
	2,4,6-tribromophenol	100 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments: 1125 US Hwy 550, Aztec, NM 5 point composite

Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	HRM	Project #:	92118
Sample ID:	Wash Bay Solids	Date Reported:	06-02-94
Laboratory Number:	7359	Date Sampled:	05-06-94
Sample Matrix:	Soil	Date Received:	05-06-94
Preservative:	Cool	Date Extracted:	05-19-94
Condition:	Cool and Intact	Date Analyzed:	06-01-94
		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

SURROGATE RECOVERY:

Parameter	Percent Recovery
2-fluorobiphenyl	99 %

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments: 1125 US Hwy 550, Aztec, NM 5 point composite

Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	HRM	Project #:	92118
Sample ID:	Wash Bay Solids	Date Reported:	05-31-94
Laboratory Number:	7359	Date Sampled:	05-06-94
Sample Matrix:	Soil	Date Received:	05-06-94
Preservative:	Cool	Date Analyzed:	05-29-94
Condition:	Cool & Intact	Date Extracted:	05-19-94
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	0.006	0.001	5.000
BARIUM	2.05	0.1	100.0
CADMIUM	0.012	0.001	1.000
CHROMIUM	ND	0.001	5.000
LEAD	0.011	0.001	5.000
MERCURY	ND	0.002	0.200
SELENIUM	ND	0.001	1.000
SILVER	ND	0.01	5.00

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

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

ND - Parameter not detected at the stated detection limit.

Comments: 1125 US Hwy 550, Aztec, NM 5 point composite

Analyst

Review

ENVIROTECH LABORATORIES

5796 U.S. HIGHWAY 64-3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	05-30-94
Laboratory Number:	0529TCV.BLK	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	05-29-94
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.007	0.2
2-Butanone	ND	0.005	200
1,1-Dichloroethene	ND	0.005	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	97 %
Bromofluorobenzene	98 %

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	05-30-94
Laboratory Number:	0519TCV.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	05-19-94
Condition:	Cool & Intact	Date Analyzed:	05-29-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.007	0.2
1,1-Dichloroethene	ND	0.005	0.7
2-Butanone	ND	0.005	200
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	95 %
Bromofluorobenzene	101 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank

Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

** QUALITY ASSURANCE EPA METHODS 8010/8020
MATRIX SPIKE - AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Spike	Date Reported:	05-30-94
Laboratory Number:	7359STCV.	Date Sampled:	05-06-94
Sample Matrix:	Soil	Date Received:	05-06-94
Analysis Requested:	TCLP	Date Analyzed:	05-29-94
Condition:	NA		

Parameter	Sample Result (ug/L)	Spike Added (ug/L)	Spiked Sample Result (ug/L)	Det. Limit (ug/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	10.0	16.6	7.0	98	28-163
1,1-Dichloroethene	ND	10.0	13.5	5.4	97	43-143
2-Butanone	ND	10.0	12.1	5.4	97	47-132
Chloroform	ND	10.0	9.5	5.0	95	49-133
Carbon Tetrachloride	ND	10.0	9.4	5.0	94	43-143
Benzene	ND	10.0	9.7	5.3	92	39-150
1,2-Dichloroethane	ND	10.0	9.7	5.0	97	51-147
Trichloroethene	ND	10.0	9.4	5.0	92	35-146
Tetrachloroethene	ND	10.0	9.9	5.1	99	26-162
Chlorobenzene	ND	10.0	9.7	5.0	96	38-150
1,4-Dichlorobenzene	ND	10.0	10.0	5.0	100	42-143

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	06-02-94
Laboratory Number:	0601TCA.BLK	Date Sampled:	NA
Sample Matrix:	2-Propanol	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	06-02-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	400.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.023	100.0

SURROGATE RECOVERY	Parameter	Percent Recovery
	2-fluorophenol	102 %
	2,4,6-tribromophenol	102 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENV RO' 'ECH _ABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	06-02-94
Laboratory Number:	0519TCA.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	05-19-94
Condition:	Cool & Intact	Date Analyzed:	06-02-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.023	100.0

SURROGATE RECOVERY	Parameter	Percent Recovery
	2-fluorophenol	98 %
	2,4,6-tribromophenol	98 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank

Analyst

Review

ENVIROTECH LABS
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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	06-02-94
Laboratory Number:	0601TBN.BLK	Date Sampled:	NA
Sample Matrix:	Hexane	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	06-01-94
		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

SURROGATE RECOVERY:

Parameter	Percent Recovery
2-fluorobiphenyl	101 %

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	06-02-94
Laboratory Number:	0519TBN.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	05-19-94
Condition:	Cool and Intact	Date Analyzed:	06-01-94
		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

SURROGATE RECOVERY:

Parameter	Percent Recovery
2-fluorobiphenyl	97 %

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank

Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - BLANKS

Client:	NA	Project #:	NA
Sample ID:	Blanks	Date Reported:	05-31-94
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	05-29-94
Condition:	NA	Date Extracted:	NA

Parameter	Instrument Blank (mg/L)	Extraction Sol. Blank (mg/L)	Det. Limit (mg/L)
ARSENIC	ND	ND	0.001
BARIUM	ND	ND	0.1
CADMIUM	ND	ND	0.001
CHROMIUM	ND	ND	0.001
LEAD	ND	ND	0.001
MERCURY	ND	ND	0.002
SELENIUM	ND	ND	0.001
SILVER	ND	ND	0.01

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA

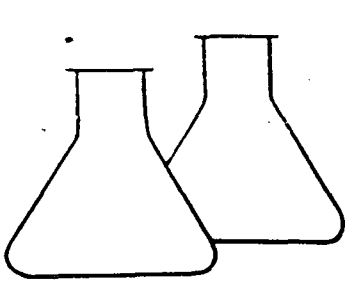
Method 1311, Toxicity Characteristic Leaching Procedure SW-846, USEPA, July 1992.

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

QUALITY ASSURANCE REPORT
EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - MATRIX SPIKE

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	05-31-94
Laboratory Number:	NA	Date Sampled:	05-06-94
Sample Matrix:	TCLP Extract	Date Received:	05-06-94
Analysis Requested:	TCLP	Date Analyzed:	05-29-94
Condition:	NA	Date Extracted:	05-19-94

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
ARSENIC	0.100	0.006	0.106	100
BARIUM	10.0	2.05	12.1	101
CADMIUM	0.100	0.012	0.112	100
CHROMIUM	0.100	ND	0.099	99
LEAD	0.100	0.011	0.112	101
MERCURY	0.050	ND	0.049	98
SELENIUM	0.100	ND	0.099	99
SILVER	1.00	ND	1.006	101

QA ACCEPTANCE CRITERIA:	Parameter	Acceptance Range %
	TCLP Metals	80 - 120

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location
HRM 9.2118	1125 US Hwy 550, Aztec, NM
Sampler: (Signature) Robert W Young	Chain of Custody Tape No.

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TCLP with Parameters						Remarks
~~5pt~~ Wash bay Solids	5/6/94	1030	7359	SOIL	1	✓						5 point Composite

ANALYSIS/PARAMETERS

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Robert W Young	5/6/94	1103	Dawn L. Spencer	5-6-94	1103
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

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

san juan repro Form 578-81

92115-3

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ 5/20/94 Genie Bush	4. Generator Meridian Oil Inc
2. Destination Landfarm #2 Envirotech Soil Remediation Facility	5. Name of Originating Site McGrath Injection Well
3. Address of Facility Operator 5796 US Hwy 64-3014, Farmington, NM 87401	6. Name of Transporter Suco
7. Location of Material (Street Address or ULSTR) McGrath Injection Well (B) S34-T30N-R12W	8. State NM

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

Bottom Sludge from Injection Well

RECEIVED
JUN 16 1994
OIL CON. DIV.
DIST. 3

Rec 1195 bbl on 5/31/94, 6/1/94, 6/2/94. Stabilized in Blending Facility on days Shipped - Total of 900 ~~792~~ cubic yds into LF#2 C19, C20, C21, C22, C23, C24,

Estimated Volume 340 cy Known Volume (to be entered by the operator at the end of the haul): ~~792~~ 900

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

SIGNATURE Robert M Young TITLE LANDFARM SUPERVISOR DATE 4/11/94

TYPE OR PRINT NAME ROBERT M. YOUNG TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 6/17/94

APPROVED BY [signature] TITLE Geo DATE 6/17/94

CONDITIONS OF APPROVAL, IF ANY:

ENVIROTECH INC.

ENVIROTECH INC. • UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

92115-3

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: McGrath SWD #4

Source: Solids from system process.

Disposal Location: Envirotech Soil Remediation Facility, (ESRF) Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Meridian Oil Inc. concur with the status of the waste from the subject site.

Name Craig A. Beck
Title/Agency Assoc. Environmental Representative
Address PO Box 4289, Farmington, NM, 87499-4289
Signature C. A. Beck
Date 5/31/94

92115-03

Envirotech Exempt Waste Manifest
Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

Safety and Environmental

1. Waste Location: Lease/Well No. McGrath SWD #1

2. Volume: _____ Cubic Yards ~~1,195~~ 792 Barrels (1,195 stabilized into 792 cubic yards) _____ Gallons

3. Description of Waste: Filtered sludge & solids

4. Method of Waste Generation: Solids separation from incoming E&P fluids to be disposed of in an injection well

5. Disposal Cost: $16.00 + 5.50 per barrell.

6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal: _____ (signature) Date 5/26/94

MOI Representative

Transportation Company: _____

Date(s) Transported: 5-31 / 6-1 / 6-2-94

MOI Representative on Site _____ (signature) Date 6-2-94

Envirotech
Complete and return to Meridian Safety and Environmental with invoice.

Date(s) Received: 5-31-94 6-1-94 6-2-94

Total Volume Received: 1,195 BBLS

Waste Location : Cell/Grid No. Envirotech Land Farm #2

Received By : _____ (signature)

92115-03

CERTIFICATE OF WASTE TRANSPORT

Originating Location: Meridian Oil

Source of Contamination: Tank Bottom

Generator: McGrath Disposal

Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 ✓

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Ernest Valdez

Company: Sunco Trucking

Signature: Ernest Valdez

Date: 6-2-94

92115-3

CERTIFICATE OF WASTE TRANSPORT

Originating Location: MERIDIAN OIL

Source of Contamination: TANK BOTTOMS

Generator: McGRATH SWD #4

Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 ✓

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: LYNN THOMAS

Company: SUNCO TRUCKING

Signature: Lynn Thomas

Date: 6-2-94

92115-3

CERTIFICATE OF WASTE TRANSPORT

Originating Location: McGRATH SWD #4

Source of Contamination: TANK BOTTOMS

Generator: MARIDIAN OIL

Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 ✓

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Lynn Thomas

Company: SUNCO

1540

Signature: LYNN THOMAS

Date: 6-1-94

92115-3

CERTIFICATE OF WASTE TRANSPORT

Originating Location: McGrath Disposal

Source of Contamination: Tank Bottoms

Generator: Meridian oil

Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 ✓

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Ernest Valdez

Company: Sunco

1539

Signature: Ernest Valdez

Date: 6-1-94

92115-3

CERTIFICATE OF WASTE TRANSPORT

Originating Location: McGrath Disposal

Source of Contamination: Tank Bottems or BS

Generator: Meridian

Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 ✓

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Ernest Valdez

Company: Sunco 1539

Signature: _____

Date: 5-31-94

92115-3

CERTIFICATE OF WASTE TRANSPORT

Originating Location: McGRATH SWD #4

Source of Contamination: TANK BOTTOMS OR BS

Generator: Meridian

Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 ✓

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Lynn Thomas

Company: SUNCO 1540

Signature: _____

Date: 5-31-94

91364-06

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ Denny Foust 6/10/94 (Submitting this form for oilfield exempt waste is optional)	4. Generator Meridian Oil Inc.
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site Calvin #3
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Meridian Transportation
7. Location of Material (Street Address or ULSTR) (K) S26, T29N, R11W NMPM	8. State NM

9. **Check One**

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☐ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 6/94

BRIEF DESCRIPTION OF THE MATERIAL:

Wastes generated from well Service Activities spilled onto ground.

-Approximately 10 cubic yards of paraffin contaminated Soils

RECEIVED
JUN 16 1994
OIL CON. DIV.
DIST. 3

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

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 6/10/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 6/17/94

APPROVED BY Jamie Bruce TITLE Geo DATE 6/17/94

CONDITIONS OF APPROVAL, IF ANY:

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

91364-06

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: Calvin #3 unit K, sec 26, T29N, R11W

Source: well servicing gasoline wastes

Disposal Location: Envirotech Soil Remediation Facility (ESRF) Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Meridian Oil Inc. concur with the status of the waste from the subject site.

Name Craig H. Beck
Title/Agency Area Environmental Representative
Address 3535 E 30th Farmington, New Mexico 87499
Signature C. H. Beck
Date 6/10/94

250

91364-04

Envirotech Exempt Waste Manifest
Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

Safety and Environmental

1. Waste Location: Lease/Well No. Calvin #3
   unit K, Sec 26, T29N, R11W
2. Volume: 10 Cubic Yards Barrels Gallons
3. Description of Waste: Paraffin (Crude oil) contaminated soil.
4. Method of Waste Generation: Paraffins were produced during a Rod stripping job at the well location
5. Disposal Cost: $16/yd^3$
6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

   Approval for Disposal C. A. Bark (signature) Date 6/16/94

MOI Representive

Transportation Company:

Date(s) Transported:

MOI Representative on Site (signature) Date

Envirotech
Complete and return to Meridian Safety and Environmental with invoice.

Date(s) Received: 6/13/94

Total Volume Received: 10 cubic Yards

Waste Location : Cell/Grid No. Landfarm #2 Cell C-24

Received By : Robert M Young for Charles McInik (signature)

MERIDIAN OIL ID:505-326-9725 JUN 10'94 9:58 No.001 P.04

91364-06

CERTIFICATE OF WASTE TRANSPORT

Originating Location: CALVIN #3

Source of Contamination: PRODUCED HYDROCARBONS

Generator: MERIDIAN OIL

Disposal Location: Envirotech Soil Remediation Site, Hilltop, New Mexico
Landfarm #1___ Landfarm #2 X NMED Landfarm___

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: S.A. WILSON

Company: OFFM TRUCKING

Signature: [signature]

Date: 6-13-94

91364-05

REQUEST FOR APPR(. TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXXX

1. RCRA Exempt: ☒ Non-Exempt: ☐
Verbal Approval Received: Yes ☒ No ☐ Denny Foust 6/10/94
(Submitting this form for oilfield exempt waste is optional)

4. Generator
Meridian Oil Inc

2. Destination
Land Farm # 2 Envirotech Soil Remediation Facility

5. Name of Originating Site
Farmington A-1E

3. Address of Facility Operator
5796 US Hwy. 64-3014 Farmington, New Mexico 87401

6. Name of Transporter
Meridian Transportation

7. Location of Material (Street Address or ULSTR)
(O) S1 ~~S22~~, T29N, R13W NMPM

8. State
NM

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☐ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 6/94

BRIEF DESCRIPTION OF THE MATERIAL:

Overfill of ~~dehydr~~ Separator tank onto Soils, Approximately 10 cubic yards of Soil Contaminated from dehydrator effluent.

RECEIVED
JUN 16 1994
OIL CON. DIV.
DIST. 3

Rec 10cy.
BOC 4809
LF#2 C-24

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

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 6/10/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 6/17/94

APPROVED BY [illegible] TITLE Geo DATE 6/17/94

CONDITIONS OF APPROVAL, IF ANY:

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

91364-05

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: Farmington #A1E unit O, Sec 1, T29N, R13W

Source: Production tank overflow

Disposal Location: Envirotech Soil Remediation Facility (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Meridian Oil Inc. concur with the status of the waste from the subject site.

Name Craig A. Bock
Title/Agency Assoc. Environmental Representative
Address 1525 E. 30th, Farmington, New Mexico 87499
Signature C A Bock
Date 6/10/94

91364-05

Envirotech Exempt Waste Manifest
Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

Safety and Environmental

1. Waste Location: Lease/Well No. Farmington #A1E well location
2. Volume: 10 Cubic Yards Barrels Gallons
3. Description of Waste: Crude oil contaminated soil
4. Method of Waste Generation: Production tank overflow onto the ground surface.
5. Disposal Cost: $16/yd^3$
6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal G. A. Beck (signature) Date 6/10/94

MOI Representive

Transportation Company: C.T.+M. Trucking

Date(s) Transported: 6/10/94

MOI Representative on Site _____ (signature) Date _____

Envirotech
Complete and return to Meridian Safety and Environmental with invoice.

Date(s) Received: 6-10-94

Total Volume Received: 10 yds

Waste Location : Cell/Grid No. Land Farm #5 C-24

Received By : Charles McCrie (signature)

91364-05

CERTIFICATE OF WASTE TRANSPORT

Originating Location: Farmington AIE

Source of Contamination: Contaminated dirt (crude oil)

Generator: Meridian Oil

Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 ✓

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Mike Tafoya

Company: C F & M Trucking

Signature: Mike Tafoya

Date: 6-10-94

92197

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ Denny Foust (Submitting this form for oilfield exempt waste is optional) 6/1/94	4. Generator Meridian Oil Inc
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site Val Verde Plant
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Envirotech
7. Location of Material (Street Address or ULSTR) A-14-T29N-R11W NMPM	8. State NM

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

Projected Dates(s) for Transportation: 6/1/94

BRIEF DESCRIPTION OF THE MATERIAL:

Continuation of Charcoal Filter Media

RECEIVED
JUN 10 1994
OIL CON. DIV.
DIST. 3

Rec 10 cy
BOL 4764
6/1/94
LF#2C-18

Estimated Volume 9 yd³ Known Volume (to be entered by the operator at the end of the haul): 8 10 yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 6/1/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 6/13/94

APPROVED BY Jim Busch TITLE Geologist DATE 6/13/94

CONDITIONS OF APPROVAL, IF ANY:

72197

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: Meridian Val Verde Plant

Source: Amine Contaminated Charcoal Filter Media A 14-T29N-R11W, NMPM

Disposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hillrop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Meridian Oil Inc concur with the status of the waste from the subject site.

Name CRAIG BOCK
Title/Agency Assoc. Environmental Representative
Address 5535 east 30th street
Farmington, New, 87401
Signature
Date 05/17/94

MERIDIAN OIL ID:505-326-9725 MAY 17'94 13:42 No.003 P.02

92197

Envirotech Exempt Waste Manifest
Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

Safety and Environmental

1. Waste Location: Lease/Well No. Val Verde Plant

2. Volume: 10 (Cubic Yards) _____ Barrels _____ Gallons

3. Description of Waste: Charcoal Filter Media from Activated Carbon Scrubber for C3 Plus Solvent.

4. Method of Waste Generation: Filter media for C3 Plus Solvent.

5. Disposal Cost: $16 / yd^3$

6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal [signature] (signature) Date 6-1-94

MOI Representative

Transportation Company: Envirotech

Date(s) Transported: 6-1-94

MOI Representative on Site [signature] (signature) Date 6-1-94

Envirotech
Complete and return to Meridian Safety and Environmental with invoice.

Date(s) Received: _____

Total Volume Received: _____

Waste Location : Cell/Grid No. _____

Received By : _____ (signature)

Post-it™ brand fax transmittal memo 7671 # of pages ▸ 1

To _____ From _____

Dept. _____ Phone # _____

92197

CERTIFICATE OF WASTE TRANSPORT

Originating Location: Meridian Val Verde Plant

Source of Contamination: Contaminated (Amine) Charcoal Filter Media

Generator: Meridian Oil Inc

Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 ✓

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Robert M Young

Company: Envirotech

Signature: Robert M Young

Date: 6/1/94

92132

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒ (Submitting this form for oilfield exempt waste is optional)	4. Generator Halliburton Services
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site Farmington Yard
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Envirotech INC
7. Location of Material (Street Address or ULSTR) 4109 E. Main, Farmington, NM 87401	8. State New Mexico

9. **Check One**

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☐ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: _____

BRIEF DESCRIPTION OF THE MATERIAL:

- TCLP From 7/27/93 Already on file with OCD (Enclosed)

Continuation of Solids generated from wash bay operations at Farmington Yard (4109 E. Main).

RECEIVED
JUN - 8 1994
OIL CON. DIV.
DIST. 3

RECEIVED
JUN - 1 1994
OIL CON. DIV.
DIST. 3

Estimated Volume 50 yd³ Known Volume (to be entered by the operator at the end of the haul): 20 yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 6/1/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 6/1/94

APPROVED BY Roger Anderson TITLE Env. Bureau Chief DATE 6/6/94

CONDITIONS OF APPROVAL, IF ANY:

92118

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXXX

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

4. Generator: Halliburton Resource Management

2. Destination: Land Farm # 2 Envirotech Soil Remediation Facility

5. Name of Originating Site: HRM Main Yard

3. Address of Facility Operator: 5796 US Hwy. 64-3014 Farmington, New Mexico 87401

6. Name of Transporter: Envirotech INC

7. Location of Material (Street Address or ULSTR): 1125 US HWY 550, AZTEC, NM

8. State: NM

9. **Check One**

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

Projected Dates(s) for Transportation: 5/94

BRIEF DESCRIPTION OF THE MATERIAL:

Continuation of:
Compression OF Contaminated SOILS From Various Compressor SITES.
Stockpiled at 1125 W HWY 550, Aztec, NM. in 11 DRUMS

TCLP on file - Submitted to OCD on 4/7/94 and 4/12/94.

Sent to OCD 5/10/94

Estimated Volume 3 yd³ Known Volume (to be entered by the operator at the end of the haul): _____ yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 5/9/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

92118

CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL

Originating Location: Halliburton Resource Mgmt 1125 Hwy 550, Aztec NM
Source: Excavation of Contaminated Soils - #2061
Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for ~~the~~ Halliburton Resource Mgmt concur with the status of the waste from the subject site.

Name Todd McCoy
Title/Agency Field Sales Service Rep
Address 1125 US Hwy 550
Aztec NM 87410
Signature [signature]
Date 4-5-94

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	Halliburton Resource Mgmt.	Project #:	92118
Sample ID:	20 Barrel Comp	Date Reported:	03-18-94
Laboratory Number:	7059	Date Sampled:	03-15-94
Sample Matrix:	Soil	Date Received:	03-16-94
Preservative:	Cool	Date Extracted:	03-16-94
Condition:	Cool & Intact	Date Analyzed:	03-17-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
1,1-Dichloroethene	ND	0.005	0.7
2-Butanone	ND	0.005	200
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	96 %
Bromofluorobenzene	96 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments: 1125 Hwy 550, Aztec

Analyst Reviewed

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	HRM	Project #:	92118
Sample ID:	20 bbl composite	Date Reported:	04-04-94
Laboratory Number:	7059	Date Sampled:	03-15-94
Sample Matrix:	Soil	Date Received:	03-16-94
Preservative:	Cool	Date Extracted:	03-16-94
Condition:	Cool & Intact	Date Analyzed:	04-03-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	0.39	0.025	100.0

SURROGATE RECOVERY	Parameter	Percent Recovery
	2-fluorophenol	114 %
	2,4,6-tribromophenol	106 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments: 1125 Hwy 550, Aztec
Sample from compressor oil waste stream

Tom Tuttle
Analyst

Review

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	HRM	Project #:	92118
Sample ID:	20 bbl composite	Date Reported:	04-03-94
Laboratory Number:	7059	Date Sampled:	03-15-94
Sample Matrix:	Sand	Date Received:	03-16-94
Preservative:	Cool	Date Extracted:	03-16-94
Condition:	Cool & Intact	Date Analyzed:	04-02-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.022	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments: 1125 Hwy 550 Aztec
Sample from compressor oil waste stream

Tony Truston
Analyst

Review

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Halliburton Resource Mgmt.	Project #:	92118
Sample ID:	20 Barrel Comp.	Date Reported:	03-18-94
Laboratory Number:	7059	Date Sampled:	03-15-94
Sample Matrix:	Soil	Date Received:	03-16-94
Preservative:	Cool	Date Analyzed:	03-17-94
Condition:	Cool & Intact	Date Extracted:	03-16-94
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	0.003	0.001	5.000
BARIUM	1.3	0.1	100.0
CADMIUM	0.030	0.001	1.000
CHROMIUM	ND	0.001	5.000
LEAD	0.042	0.001	5.000
MERCURY	ND	0.002	0.200
SELENIUM	0.008	0.001	1.000
SILVER	ND	0.01	5.00

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

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

ND - Parameter not detected at the stated detection limit.

Comments: 1125 Hwy 550, Aztec

Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

RCRA CHARACTERISTICS

Client:	Halliburton Resources Mgmt.	Project #:	92118
Sample ID:	20 Barrel Composite	Date Reported:	03-16-94
Lab ID#:	7059	Date Sampled:	03-15-94
Sample Matrix:	Soil	Date Received:	03-16-94
Preservative:	Cool	Date Analyzed:	03-16-94
Condition:	Cool & Intact		

IGNITABILITY: Did not ignite upon direct contact with flame after heating to 60°c.

CORROSIVITY: pH of 8.19

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

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: ≤ pH 2 or ≥ pH 12.5 is hazardous waste.

1125 Hwy 550, Aztec

Analyst

Reviewed

ENVIROTECH LABORATORIES

5796 U.S. HIGHWAY 64-3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	03-18-94
Laboratory Number:	0317TCV.BLK	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	03-17-94
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
2-Butanone	ND	0.005	200
1,1-Dichloroethene	ND	0.005	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	99 %
Bromofluorobenzene	100 %

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments:

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	04-04-94
Laboratory Number:	0403TCA.BLK	Date Sampled:	NA
Sample Matrix:	2-Propanol	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	04-03-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.025	100.0

SURROGATE RECOVERY	Parameter	Percent Recovery
	2-fluorophenol	111 %
	2,4,6-tribromophenol	112 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Tony Tristano
Analyst

Review

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	04-03-94
Laboratory Number:	0402TBN.BLK	Date Sampled:	NA
Sample Matrix:	Hexane	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	04-02-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.022	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Tony Twitty
Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - BLANKS

Client:	NA	Project #:	NA
Sample ID:	Blanks	Date Reported:	03-18-94
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	03-17-94
Condition:	NA	Date Extracted:	NA

Parameter	Instrument Blank (mg/L)	Extraction Sol. Blank (mg/L)	Det. Limit (mg/L)
ARSENIC	ND	ND	0.001
BARIUM	ND	ND	0.1
CADMIUM	ND	ND	0.001
CHROMIUM	ND	ND	0.001
LEAD	ND	ND	0.001
MERCURY	ND	ND	0.002
SELENIUM	ND	ND	0.001
SILVER	ND	ND	0.01

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	03-18-94
Laboratory Number:	0316TCV.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	03-16-94
Condition:	Cool & Intact	Date Analyzed:	03-17-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
1,1-Dichloroethene	ND	0.005	0.7
2-Butanone	ND	0.005	200
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	99 %
Bromofluorobenzene	98 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank

Denise L. Gleason

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	04-04-94
Laboratory Number:	0316TCA.MB	Date Sampled:	NA
Sample Matrix:	Sand	Date Received:	NA
Preservative:	NA	Date Extracted:	03-16-94
Condition:	NA	Date Analyzed:	04-03-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.025	100.0

SURROGATE RECOVERY	Parameter	Percent Recovery
	2-fluorophenol	98 %
	2,4,6-tribromophenol	105 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Tony Tinsley
Analyst

Review

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	N/A	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	04-03-94
Laboratory Number:	0316TBN.MB	Date Sampled:	N/A
Sample Matrix:	Sand	Date Received:	N/A
Preservative:	N/A	Date Extracted:	03-16-94
Condition:	N/A	Date Analyzed:	04-02-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.022	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Tony Trustano
Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

** QUALITY ASSURANCE EPA METHODS 8010/8020
MATRIX SPIKE - AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Spike	Date Reported:	03-18-94
Laboratory Number:	7059STCV.	Date Sampled:	03-15-94
Sample Matrix:	Soil	Date Received:	03-16-94
Analysis Requested:	TCLP	Date Analyzed:	03-17-94
Condition:	NA		

Parameter	Sample Result (ug/L)	Spike Added (ug/L)	Spiked Sample Result (ug/L)	Det. Limit (ug/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	10.0	11.3	5.0	101	28-163
1,1-Dichloroethene	ND	10.0	10.4	5.1	98	43-143
2-Butanone	ND	10.0	10.8	5.0	102	47-132
Chloroform	ND	10.0	9.9	5.0	99	49-133
Carbon Tetrachloride	ND	10.0	9.7	5.0	97	43-143
Benzene	ND	10.0	10.0	5.0	96	39-150
1,2-Dichloroethane	ND	10.0	9.7	5.0	97	51-147
Trichloroethene	ND	10.0	9.7	5.0	97	35-146
Tetrachloroethene	ND	10.0	12.1	5.0	100	26-162
Chlorobenzene	ND	10.0	10.0	5.0	100	38-150
1,4-Dichlorobenzene	ND	10.0	9.6	5.0	96	42-143

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

QUALITY ASSURANCE REPORT
EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - MATRIX SPIKE

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	03-18-94
Laboratory Number:	NA	Date Sampled:	03-15-94
Sample Matrix:	TCLP Extract	Date Received:	03-16-94
Analysis Requested:	TCLP	Date Analyzed:	03-17-94
Condition:	NA	Date Extracted:	03-16-94

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
ARSENIC	0.100	0.003	0.102	99
BARIUM	10.0	1.28	11.3	100
CADMIUM	0.100	0.030	0.130	100
CHROMIUM	0.100	ND	0.101	101
LEAD	0.100	0.042	0.141	99
MERCURY	0.100	ND	0.099	99
SELENIUM	0.100	0.008	0.107	99
SILVER	1.00	ND	1.01	101

QA ACCEPTANCE CRITERIA:

Parameter	Acceptance Range %
TCLP Metals	80 - 120

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

3429

CHAIN OF CUSTODY RECORD

/Project Name: 9211 LIBERTY RESOURCE MGMT.

Project Location: 1125 HWY 550 AZTEC

er: (Signature): R. E. O'Neill

Chain of Custody Tape No.:

ANALYSIS/PARAMETERS

Remarks

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TCLP w/ 8+10
BARREL COMP	3-15-94	1605	7059	SOIL	1	✓

SAMP [illegible] COMPRESSOR

ıished by: (Signature)	Date	Time	Received (Signature)	Date	Time
R. E. O'Neill	3-16-94	0709		3-16-94	0709
ıished by: (Signature)			Received by: (Signature)		
ıished by: (Signature)			Received by: (Signature)		

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

Submit Res to R. Young

92197

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ ERNIE BUSH 5/17/94 (Submitting this form for oilfield exempt waste is optional)	4. Generator Meridian OIL INC
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site Val Verde Plant
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Envirotech
7. Location of Material (Street Address or ULSTR) A-14-T29N-R11W NMPM	8. State NM

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

Projected Dates(s) for Transportation: 5/17/94

BRIEF DESCRIPTION OF THE MATERIAL:

Continuation of Charcoal Filter Media

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OIL CON. DIV.
DIST. 3

Rec 10 cy
5/17/94 BOL 4761
Placed Landfarm #2 C-18

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

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 5/17/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 5/31/94

APPROVED BY Ernie Busch TITLE Geo DATE 5/31/94

CONDITIONS OF APPROVAL, IF ANY:

42197

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: Meridian Val Verde Plant

Source: Amine Contaminated Charcoal Filter Media A 14-T29N-R11W, NMPM

Disposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Meridian Oil Inc concur with the status of the waste from the subject site.

Name CRAIG ROCK
Title/Agency Assoc. Environmental Representative
Address 3535 east 30th street Farmington, NM, 87401
Signature
Date 05/17/94

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DIST. 3

92197

Envirotech Exempt Waste Manifest
Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

Safety and Environmental

1. Waste Location: Lease/Well No. Val Verde plant.

2. Volume: 10 Cubic Yards — Barrels — Gallons

3. Description of Waste: Charcoal filter media with no free liquids

4. Method of Waste Generation: Filter media for ~~Amn~~ cs plus solvent at Val Verde plant

5. Disposal Cost: $16 / yd^3

6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal [signature] Date
(signature)

MOI Representative

Transportation Company: ENVIROTech.

Date(s) Transported: 5-17-94

MOI Representative on Site [signature] Date 5/17/94
(signature)

Envirotech
Complete and return to Meridian Safety and Environmental with invoice.

Date(s) Received: 5-18-94

Total Volume Received: 10 cys

Waste Location : Cell/Grid No. Landfarm #2 C-18

Received By : CHARLES MULENIX
(signature)

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DIST. 3

92197

CERTIFICATE OF WASTE TRANSPORT

Originating Location: Meridian Val Verde Plant
Source of Contamination: Charcoal Filter Media

Generator: Meridian

Disposal Location: Envirotech Soil Remediation Facility, Hilltop, New Mexico
Landfarm #1_____ Landfarm #2 X Landfarm #3_____

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Cell C-18

Name J. Steve Bush

Company Envirotech Inc

Signature J. Steve Bush

Date 5/17/94

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OIL CON. DIV.
DIST. 3

92118

REQUEST FOR APP[illegible]L TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXXX

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

OIL CONSERVATION DIVISION
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'94 MAR 16 AM 8 50

4. Generator: Halliburton Resource Management

2. Destination: Land Farm # 2 Envirotech Soil Remediation Facility

5. Name of Originating Site: HRM Main Yard

3. Address of Facility Operator: 5796 US Hwy. 64-3014 Farmington, New Mexico 87401

6. Name of Transporter: Envirotech INC

7. Location of Material (Street Address or ULSTR): 1125 US HWY 550, AZTEC, NM

8. State: NM

9. **Check One**

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☐ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 5/94

BRIEF DESCRIPTION OF THE MATERIAL:

Continuation of:
Compression OR Contaminated Soils From Various Compressor Sites.
Stockpiled at 1125 W Hwy 550, Aztec, NM. in 11 drums

TCLP on file - Submitted to OCD on 4/7/94 and 4/12/94.

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MAY 11 1994
OIL CON. DIV.
DIST. 3

11 dry drums

Estimated Volume 3 yd³ Known Volume (to be entered by the operator at the end of the haul): 2-3 yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 5/9/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 5/13/94

APPROVED BY Roger Anderson TITLE Env. Bureau Chief DATE 5/16/94

CONDITIONS OF APPROVAL, IF ANY: This outfit doesn't have a discharge plan — compressor waste could be highly variable

SF 5/13/94

92118

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒ (Submitting this form for oilfield exempt waste is optional)	4. Generator Halliburton Resource Management
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site HRM Main Yard
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Envirotech INC
7. Location of Material (Street Address or ULSTR) 1125 US HWY 550, AZTEC, NM	8. State NM

9. **Check One**

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

Projected Dates(s) for Transportation: 5/94

BRIEF DESCRIPTION OF THE MATERIAL:

Continuation of:
Compression OR Contaminated Soils From Various Compressor Sites.
Stockpiled at 1125 W HWY 550, Aztec, NM. in 11 drums

TCLP on file - Submitted to OCD on 4/7/94 and 4/12/94

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Estimated Volume 3 yd³ Known Volume (to be entered by the operator at the end of the haul): _____ yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 5/9/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 5/13/94

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Santa Fe 5/13/94

92118

CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL

Originating Location: Halliburton Resource Mgmt 1125 Hwy 550, Aztec NM
Source: Compressor pit contamination soils - #2061
Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for ~~the~~ Halliburton Resource Mgmt concur with the status of the waste from the subject site.

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Name Todd McCoy
Title/Agency Field Sales Service Rep

Address 4550

Signature

Date 4-5-94

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DIST. 3

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

Client:	Halliburton Resource Mgmt.	Project #:	92118
Sample ID:	20 Barrel Comp	Date Reported:	03-18-94
Laboratory Number:	7059	Date Sampled:	03-15-94
Sample Matrix:	Soil	Date Received:	03-16-94
Preservative:	Cool	Date Extracted:	03-16-94
Condition:	Cool & Intact	Date Analyzed:	03-17-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
1,1-Dichloroethene	ND	0.005	0.7
2-Butanone	ND	0.005	200
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	96 %
Bromofluorobenzene	96 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments: 1125 Hwy 550, Aztec

Analyst

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	HRM	Project #:	92118
Sample ID:	20 bbl composite	Date Reported:	04-04-94
Laboratory Number:	7059	Date Sampled:	03-15-94
Sample Matrix:	Soil	Date Received:	03-16-94
Preservative:	Cool	Date Extracted:	03-16-94
Condition:	Cool & Intact	Date Analyzed:	04-03-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	0.39	0.025	100.0

SURROGATE RECOVERY	Parameter	Percent Recovery
	2-fluorophenol	114 %
	2,4,6-tribromophenol	106 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments: 1125 Hwy 550, Aztec
Sample from compressor oil waste stream

Analyst

Review

ENVIROTECH LABS
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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	HRM	Project #:	92118
Sample ID:	20 bbl composite	Date Reported:	04-03-94
Laboratory Number:	7059	Date Sampled:	03-15-94
Sample Matrix:	Sand	Date Received:	03-16-94
Preservative:	Cool	Date Extracted:	03-16-94
Condition:	Cool & Intact	Date Analyzed:	04-02-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.022	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments: 1125 Hwy 550 Aztec
Sample from compressor oil waste stream

Tony Tristan
Analyst

Review

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Halliburton Resource Mgmt.	Project #:	92118
Sample ID:	20 Barrel Comp.	Date Reported:	03-18-94
Laboratory Number:	7059	Date Sampled:	03-15-94
Sample Matrix:	Soil	Date Received:	03-16-94
Preservative:	Cool	Date Analyzed:	03-17-94
Condition:	Cool & Intact	Date Extracted:	03-16-94
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	0.003	0.001	5.000
BARIUM	1.3	0.1	100.0
CADMIUM	0.030	0.001	1.000
CHROMIUM	ND	0.001	5.000
LEAD	0.042	0.001	5.000
MERCURY	ND	0.002	0.200
SELENIUM	0.008	0.001	1.000
SILVER	ND	0.01	5.00

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

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

ND - Parameter not detected at the stated detection limit.

Comments: 1125 Hwy 550, Aztec

Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

RCRA CHARACTERISTICS

Client:	Halliburton Resources Mgmt.	Project #:	92118
Sample ID:	20 Barrel Composite	Date Reported:	03-16-94
Lab ID#:	7059	Date Sampled:	03-15-94
Sample Matrix:	Soil	Date Received:	03-16-94
Preservative:	Cool	Date Analyzed:	03-16-94
Condition:	Cool & Intact		

IGNITABILITY: Did not ignite upon direct contact with flame after heating to 60°c.

CORROSIVITY: pH of 8.19

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

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: ≤ pH 2 or ≥ pH 12.5 is hazardous waste.

1125 Hwy 550, Aztec

Analyst

Reviewed

ENVIROTECH LABORATORIES

5796 U.S. HIGHWAY 64-3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	03-18-94
Laboratory Number:	0317TCV.BLK	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	03-17-94
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
2-Butanone	ND	0.005	200
1,1-Dichloroethene	ND	0.005	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	99 %
Bromofluorobenzene	100 %

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments:

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	04-04-94
Laboratory Number:	0403TCA.BLK	Date Sampled:	NA
Sample Matrix:	2-Propanol	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	04-03-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.025	100.0

SURROGATE RECOVERY	Parameter	Percent Recovery
	2-fluorophenol	111 %
	2,4,6-tribromophenol	112 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Tony Tristan
Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	04-03-94
Laboratory Number:	0402TBN.BLK	Date Sampled:	NA
Sample Matrix:	Hexane	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	04-02-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.022	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Tony Tinsley
Analyst

Review

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - BLANKS

Client:	NA	Project #:	NA
Sample ID:	Blanks	Date Reported:	03-18-94
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	03-17-94
Condition:	NA	Date Extracted:	NA

Parameter	Instrument Blank (mg/L)	Extraction Sol. Blank (mg/L)	Det. Limit (mg/L)
ARSENIC	ND	ND	0.001
BARIUM	ND	ND	0.1
CADMIUM	ND	ND	0.001
CHROMIUM	ND	ND	0.001
LEAD	ND	ND	0.001
MERCURY	ND	ND	0.002
SELENIUM	ND	ND	0.001
SILVER	ND	ND	0.01

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS
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PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	03-18-94
Laboratory Number:	0316TCV.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	03-16-94
Condition:	Cool & Intact	Date Analyzed:	03-17-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
1,1-Dichloroethene	ND	0.005	0.7
2-Butanone	ND	0.005	200
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	99 %
Bromofluorobenzene	98 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank

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EPA METHOD 8040
PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	04-04-94
Laboratory Number:	0316TCA.MB	Date Sampled:	NA
Sample Matrix:	Sand	Date Received:	NA
Preservative:	NA	Date Extracted:	03-16-94
Condition:	NA	Date Analyzed:	04-03-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.025	100.0

SURROGATE RECOVERY	Parameter	Percent Recovery
	2-fluorophenol	98 %
	2,4,6-tribromophenol	105 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Tony Tinsley
Analyst

Review

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	N/A	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	04-03-94
Laboratory Number:	0316TBN.MB	Date Sampled:	N/A
Sample Matrix:	Sand	Date Received:	N/A
Preservative:	N/A	Date Extracted:	03-16-94
Condition:	N/A	Date Analyzed:	04-02-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.022	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Tony Tristan
Analyst

Review

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

** QUALITY ASSURANCE EPA METHODS 8010/8020
MATRIX SPIKE - AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Spike	Date Reported:	03-18-94
Laboratory Number:	7059STCV.	Date Sampled:	03-15-94
Sample Matrix:	Soil	Date Received:	03-16-94
Analysis Requested:	TCLP	Date Analyzed:	03-17-94
Condition:	NA		

Parameter	Sample Result (ug/L)	Spike Added (ug/L)	Spiked Sample Result (ug/L)	Det. Limit (ug/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	10.0	11.3	5.0	101	28-163
1,1-Dichloroethene	ND	10.0	10.4	5.1	98	43-143
2-Butanone	ND	10.0	10.8	5.0	102	47-132
Chloroform	ND	10.0	9.9	5.0	99	49-133
Carbon Tetrachloride	ND	10.0	9.7	5.0	97	43-143
Benzene	ND	10.0	10.0	5.0	96	39-150
1,2-Dichloroethane	ND	10.0	9.7	5.0	97	51-147
Trichloroethene	ND	10.0	9.7	5.0	97	35-146
Tetrachloroethene	ND	10.0	12.1	5.0	100	26-162
Chlorobenzene	ND	10.0	10.0	5.0	100	38-150
1,4-Dichlorobenzene	ND	10.0	9.6	5.0	96	42-143

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

QUALITY ASSURANCE REPORT
EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - MATRIX SPIKE

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	03-18-94
Laboratory Number:	NA	Date Sampled:	03-15-94
Sample Matrix:	TCLP Extract	Date Received:	03-16-94
Analysis Requested:	TCLP	Date Analyzed:	03-17-94
Condition:	NA	Date Extracted:	03-16-94

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
ARSENIC	0.100	0.003	0.102	99
BARIUM	10.0	1.28	11.3	100
CADMIUM	0.100	0.030	0.130	100
CHROMIUM	0.100	ND	0.101	101
LEAD	0.100	0.042	0.141	99
MERCURY	0.100	ND	0.099	99
SELENIUM	0.100	0.008	0.107	99
SILVER	1.00	ND	1.01	101

QA ACCEPTANCE CRITERIA:

Parameter	Acceptance Range %
TCLP Metals	80 - 120

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

3429

CHAIN OF CUSTODY RECORD

/Project Name 9211

Project Location 1125 HWY 550 AZTEC

LIBERTY RESOURCE MGMT.

er: (Signature) R. E. O'Neill

Chain of Custody Tape No.

ANALYSIS/PARAMETERS

TCLP wb std

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers		Remarks
BARREL COMP	3-15-94	1605	7059	SOIL	1	✓	SAMP M COMPOSITE

ished by: (Signature) R. E. O'Neill — Date 3-16-94 Time 0709 Received (Signature)

Date 3-16-94 Time 0709

ished by: (Signature)

Received by: (Signature)

RECEIVED
MAY 11 1994
OIL CON. DIV.
DIST. 3

ished by: (Signature)

Received by: (Signature)

Submit Res to R. Young

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

92101

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXXX

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

2. Destination
   Land Farm # 2 Envirotech Soil Remediation Facility

3. Address of Facility Operator
   5796 US Hwy. 64-3014 Farmington, New Mexico 87401

4. Generator
   Western Co. of North America

5. Name of Originating Site
   Western Co.

6. Name of Transporter
   ENVIROTECH INC.

7. Location of Material (Street Address or ULSTR)
   3250 South Side River Road, Farmington, NM

8. State
   NM

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☒ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 5/94

BRIEF DESCRIPTION OF THE MATERIAL:

Floor Sweep from Shop and yard spills.

TCLP included

RECEIVED
MAY 18 1994
OIL CON. DIV.
DIST. 3

RECEIVED
APR 20 1994
OIL CON. DIV.
DIST. 3

Estimated Volume 6 bbl (dry) yd³ Known Volume (to be entered by the operator at the end of the haul): 1 dry dram .25 yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 4/19/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 4/21/94

APPROVED BY Roger Anderson TITLE Env. Bureau Chief DATE 5/16/94

CONDITIONS OF APPROVAL, IF ANY:

Roger call me about ongoing approvals as long as TCLP in force.

92101

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒ (Submitting this form for oilfield exempt waste is optional)	4. Generator Western Co. of North America
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site Western Co.
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter ENVIROTECH INC.
7. Location of Material (Street Address or ULSTR) 3250 South Side River Road, Farmington, NM	8. State NM

9. **Check One**

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☒ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 5/94

BRIEF DESCRIPTION OF THE MATERIAL:

Floor Sweep from Shop and yard spills.

TCLP included

RECEIVED
APR 20 1994
OIL CON. DIV.
DIST. 3

Estimated Volume 6 bbl (dry) yd^3 Known Volume (to be entered by the operator at the end of the haul): _____ yd^3

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 4/19/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 4/20/94

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Santa Fe 5/13/94 2nd time

92101

CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL

Originating Location: Western Co of N. America (3250 South Side River Road, Farmington, N.M.)
Source: Wash Bay Solids
Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for the Western Co of N. America. concur with the status of the waste from the subject site.

Name Les Baugh
Title/Agency Facilities Supervisor
Address 3250 Southside River Road
Farmington, New Mexico 87401
Signature Les Baugh
Date 4/19/94

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

RCRA CHARACTERISTICS

Client:	Western Company	Project #:	92101
Sample ID:	Floor Sweep	Date Reported:	03-21-94
Lab ID#:	7073	Date Sampled:	03-18-94
Sample Matrix:	Soil	Date Received:	03-18-94
Preservative:	Cool	Date Analyzed:	03-21-94
Condition:	Cool & Intact		

IGNITABILITY: Did not ignite upon direct contact with flame after heating to 60°c.

CORROSIVITY: pH of 7.12

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

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: $\leq$ pH 2 or $\geq$ pH 12.5 is hazardous waste.

5 - point Composite

Analyst

Reviewed

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	Western Company	Project #:	92101
Sample ID:	Floor Sweep	Date Reported:	03-22-94
Laboratory Number:	7073	Date Sampled:	03-18-94
Sample Matrix:	Soil	Date Received:	03-18-94
Preservative:	Cool	Date Extracted:	03-21-94
Condition:	Cool and Intact	Date Analyzed:	03-22-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.006	0.2
1,1-Dichloroethene	ND	0.006	0.7
2-Butanone	0.055	0.007	200
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethane	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	99 %
Bromofluorobenzene	97 %

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments: 3250 Southside River Road 5-point composite

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Western Company	Project #:	92101
Sample ID:	Floor Sweep	Date Reported:	03-28-94
Laboratory Number:	7073	Date Sampled:	03-18-94
Sample Matrix:	Soil	Date Received:	03-18-94
Preservative:	Cool	Date Analyzed:	03-23-94
Condition:	Cool & Intact	Date Extracted:	03-21-94
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	0.003	0.001	5.000
BARIUM	0.1	0.1	100.0
CADMIUM	0.001	0.001	1.000
CHROMIUM	0.006	0.001	5.000
LEAD	ND	0.001	5.000
MERCURY	ND	0.002	0.200
SELENIUM	ND	0.001	1.000
SILVER	ND	0.01	5.00

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

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

ND - Parameter not detected at the stated detection limit.

Comments: 3250 Southside River Rd 5-Point Composite

Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	Western Company	Project #:	92101
Sample ID:	Floor sweep	Date Reported:	04-03-94
Laboratory Number:	7073	Date Sampled:	03-18-94
Sample Matrix:	Soil	Date Received:	03-18-94
Preservative:	Cool	Date Extracted:	03-21-94
Condition:	Cool & Intact	Date Analyzed:	04-03-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.022	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	0.10	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	0.03	0.020	0.13

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments: 3250 Southside River Rd.
5 point composite

Tony Tristano
Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	Western Company	Project #:	92101
Sample ID:	Floor Sweep	Date Reported:	04-04-94
Laboratory Number:	7073	Date Sampled:	03-18-94
Sample Matrix:	Soil	Date Received:	03-18-94
Preservative:	Cool	Date Extracted:	03-21-94
Condition:	Cool & Intact	Date Analyzed:	04-03-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	3.0	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.025	100.0

SURROGATE RECOVERY	Parameter	Percent Recovery
	2-fluorophenol	117 %
	2,4,6-tribromophenol	114 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments: 3250 Southside River Rd.
5-point composite

Tony Tristan
Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	03-22-94
Laboratory Number:	0322TCV.BLK	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	03-22-94

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.006	0.2
1,1-Dichloroethene	ND	0.007	0.7
2-Butanone	ND	0.006	200
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethane	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	97 %
Bromofluorobenzene	98 %

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	03-22-94
Laboratory Number:	0321TCV.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	03-21-94
Condition:	Cool and Intact	Date Analyzed:	03-22-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.006	0.2
1,1-Dichloroethene	ND	0.006	0.7
2-Butanone	ND	0.007	200
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethane	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	98 %
Bromofluorobenzene	99 %

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank

ENVIROTECH LABS

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** QUALITY ASSURANCE EPA METHODS 8010/8020
MATRIX SPIKE - AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Spike	Date Reported:	03-22-94
Laboratory Number:	7071-S-TCV	Date Sampled:	03-18-94
Sample Matrix:	Soil	Date Received:	03-18-94
Analysis Requested:	TCLP	Date Analyzed:	03-22-94
Condition:	NA		

Parameter	Sample Result (ug/L)	Spike Added (ug/L)	Spiked Sample Result (ug/L)	Det. Limit (ug/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	10.0	12.0	6.4	99	28-163
1,1-Dichloroethene	ND	10.0	10.4	6.5	100	43-143
2-Butanone	49.1	10.0	58.0	5.7	98	47-132
Chloroform	ND	10.0	9.9	5.0	99	49-133
Carbon Tetrachloride	ND	10.0	9.2	5.0	92	43-143
Benzene	ND	10.0	9.4	5.1	94	39-150
1,2-Dichloroethane	ND	10.0	9.4	5.0	94	51-147
Trichloroethene	ND	10.0	9.6	5.0	96	35-146
Tetrachloroethene	ND	10.0	10.0	5.0	99	26-162
Chlorobenzene	ND	10.0	9.4	5.0	94	38-150
1,4-Dichlorobenzene	ND	10.0	9.8	5.0	98	42-143

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - BLANKS

Client:	NA	Project #:	NA
Sample ID:	Blanks	Date Reported:	03-28-94
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	03-23-94
Condition:	NA	Date Extracted:	NA

Parameter	Instrument Blank (mg/L)	Extraction Sol. Blank (mg/L)	Det. Limit (mg/L)
ARSENIC	ND	ND	0.001
BARIUM	ND	ND	0.1
CADMIUM	ND	ND	0.001
CHROMIUM	ND	ND	0.001
LEAD	ND	ND	0.001
MERCURY	ND	ND	0.002
SELENIUM	ND	ND	0.001
SILVER	ND	ND	0.01

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

QUALITY ASSURANCE REPORT
EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - MATRIX SPIKE

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	03-28-94
Laboratory Number:	NA	Date Sampled:	03-18-94
Sample Matrix:	TCLP Extract	Date Received:	03-18-94
Analysis Requested:	TCLP	Date Analyzed:	03-23-94
Condition:	NA	Date Extracted:	03-21-94

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
ARSENIC	0.100	0.007	0.106	99
BARIUM	10.0	3.18	13.1	99
CADMIUM	0.100	0.014	0.112	98
CHROMIUM	0.100	ND	0.101	101
LEAD	0.100	0.008	0.107	99
MERCURY	0.100	ND	0.098	98
SELENIUM	0.100	0.002	0.102	100
SILVER	1.00	ND	0.975	98

QA ACCEPTANCE CRITERIA:

Parameter	Acceptance Range %
TCLP Metals	80 - 120

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	04-03-94
Laboratory Number:	0402TBN.BLK	Date Sampled:	NA
Sample Matrix:	Hexane	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	04-02-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.022	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Tony Tristano
Analyst

Review

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	N/A	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	04-03-94
Laboratory Number:	0316TBN.MB	Date Sampled:	N/A
Sample Matrix:	Sand	Date Received:	N/A
Preservative:	N/A	Date Extracted:	03-16-94
Condition:	N/A	Date Analyzed:	04-02-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.022	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Tony Tustano
Analyst

Review

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5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	04-04-94
Laboratory Number:	0403TCA.BLK	Date Sampled:	NA
Sample Matrix:	2-Propanol	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	04-03-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.025	100.0

SURROGATE RECOVERY	Parameter	Percent Recovery
	2-fluorophenol	111 %
	2,4,6-tribromophenol	112 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Tony Tristan
Analyst

Review

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	04-04-94
Laboratory Number:	0316TCA.MB	Date Sampled:	NA
Sample Matrix:	Sand	Date Received:	NA
Preservative:	NA	Date Extracted:	03-16-94
Condition:	NA	Date Analyzed:	04-03-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.025	100.0

SURROGATE RECOVERY	Parameter	Percent Recovery
	2-fluorophenol	98 %
	2,4,6-tribromophenol	105 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Tony Tristan
Analyst

Review

3442

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location	92101 ANALYSIS/PARAMETERS
WESTERN COMPANY	3250 SOUTHSIDE RIVER RD	

Sampler: (Signature) Robert M Young

Chain of Custody Tape No.

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TCLP W/O Pest/Herb						Remarks
WASH BAY SOLIDS	3/18/94	1340	7072	SOIL	1	✓						5-POINT COMPOSITE
FLOOR SWEEP	3/18/94	1335	7073	SOIL	1	✓						5-POINT COMPOSITE

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Robert M Young	3/18/94	1435	Alexis L. Spencer	3-18-94	1435
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

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

san juan repro Form 578-81

92101

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXXX

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

2. Destination
   Land Farm # 2 Envirotech Soil Remediation Facility

3. Address of Facility Operator
   5796 US Hwy. 64-3014 Farmington, New Mexico 87401

4. Generator
   Western Co of North America

5. Name of Originating Site
   Western Co.

6. Name of Transporter
   Envirotech INC

7. Location of Material (Street Address or ULSTR)
   3250 South Side River Road, Farmington NM 87401

8. State
   New Mexico

9. **Check One**

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☒ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 5/94

BRIEF DESCRIPTION OF THE MATERIAL:

Wash bay Solids to be sent to blending Facility, stabilized, then Placed into Landfarm #2.

TCLP included.

V Not shipped calender year

RECEIVED
MAY 18 1994
OIL CON. DIV.
DIST. 3

RECEIVED
APR 20 1994
OIL CON. DIV.
DIST. 3

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

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 4/19/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 4/21/94

APPROVED BY Roger Anderson TITLE Env Bureau Chief DATE 5/16/94

CONDITIONS OF APPROVAL, IF ANY:

Roger call me about ongoing approvals as long as TCLP in force

92101

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXXX

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

2. Destination
   Land Farm # 2 Envirotech Soil Remediation Facility

3. Address of Facility Operator
   5796 US Hwy. 64-3014 Farmington, New Mexico 87401

4. Generator
   Western Co of North America

5. Name of Originating Site
   Western Co.

6. Name of Transporter
   Envirotech INC

7. Location of Material (Street Address or ULSTR)
   3250 South Side River Road, Farmington NM 87401

8. State
   New Mexico

9. **Check One**

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☒ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 5/94

BRIEF DESCRIPTION OF THE MATERIAL:

Wash bay Solids to be sent to blending Facility, stabilized, then Placed into Landfarm #2.

TCLP included.

RECEIVED
APR 20 1994
OIL CON. DIV.
DIST. 3

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

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 4/19/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 4/20/94

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Santa Fe 5/13/94 second time

92101

CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL

Originating Location: Western Co of N. America (3250 South Side River Road, Farmington, NM)
Source: Floor Sweep from Shop and yard soils
Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for ~~the~~ Western Co of N. America concur with the status of the waste from the subject site.

Name Les Baugh
Title/Agency Facilities Supervisor
Address 3250 Southside River Road
Farmington, New Mexico
Signature Les Baugh
Date 4/19/94

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

RCRA CHARACTERISTICS

Client:	Western Company	Project #:	92101
Sample ID:	Wash Bay Solids	Date Reported:	03-21-94
Lab ID#:	7072	Date Sampled:	03-18-94
Sample Matrix:	Soil	Date Received:	03-18-94
Preservative:	Cool	Date Analyzed:	03-21-94
Condition:	Cool & Intact		

IGNITABILITY: Did not ignite upon direct contact with flame after heating to 60°c.

CORROSIVITY: pH of 8.92

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

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: ≤ pH 2 or ≥ pH 12.5 is hazardous waste.

5 - point Composite

Analyst

Reviewed

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	Western Company	Project #:	92101
Sample ID:	Wash Bay Solids	Date Reported:	03-22-94
Laboratory Number:	7072	Date Sampled:	03-18-94
Sample Matrix:	Soil	Date Received:	03-18-94
Preservative:	Cool	Date Extracted:	03-21-94
Condition:	Cool and Intact	Date Analyzed:	03-22-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.006	0.2
1,1-Dichloroethene	ND	0.006	0.7
2-Butanone	0.056	0.007	200
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethane	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	100 %
Bromofluorobenzene	98 %

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments: 3250 Southside River Road 5-point composite

Dennis L. Pierucci

Maria D. Young

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Western Company	Project #:	92101
Sample ID:	Wash Bay Solids	Date Reported:	03-28-94
Laboratory Number:	7072	Date Sampled:	03-18-94
Sample Matrix:	Soil	Date Received:	03-18-94
Preservative:	Cool	Date Analyzed:	03-23-94
Condition:	Cool & Intact	Date Extracted:	03-21-94
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	0.001	0.001	5.000
BARIUM	1.6	0.1	100.0
CADMIUM	0.063	0.001	1.000
CHROMIUM	ND	0.001	5.000
LEAD	0.020	0.001	5.000
MERCURY	ND	0.002	0.200
SELENIUM	0.007	0.001	1.000
SILVER	ND	0.01	5.00

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

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

ND - Parameter not detected at the stated detection limit.

Comments: 3250 Southside River Rd 5-Point Composite

Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	Western Company	Project #:	92101
Sample ID:	Wash bay solids	Date Reported:	04-03-94
Laboratory Number:	7072	Date Sampled:	03-18-94
Sample Matrix:	Soil	Date Received:	03-18-94
Preservative:	Cool	Date Extracted:	03-21-94
Condition:	Cool & Intact	Date Analyzed:	04-03-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.022	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	0.10	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	0.05	0.020	0.13

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments: 3250 Southside River Rd.
5 point composite

Tony Tristan
Analyst

Mavis D Young
Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	Western Company	Project #:	92101
Sample ID:	Wash bay solids	Date Reported:	04-04-94
Laboratory Number:	7072	Date Sampled:	03-18-94
Sample Matrix:	Soil	Date Received:	03-18-94
Preservative:	Cool	Date Extracted:	03-21-94
Condition:	Cool & Intact	Date Analyzed:	04-03-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	0.4	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.025	100.0

SURROGATE RECOVERY	Parameter	Percent Recovery
	2-fluorophenol	109 %
	2,4,6-tribromophenol	111 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments: 3250 Southside River Rd.
5-point composite

Tony Tristas
Analyst

David Young
Review

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	03-22-94
Laboratory Number:	0322TCV.BLK	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	03-22-94

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.006	0.2
1,1-Dichloroethene	ND	0.007	0.7
2-Butanone	ND	0.006	200
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethane	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	97 %
Bromofluorobenzene	98 %

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	03-22-94
Laboratory Number:	0321TCV.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	03-21-94
Condition:	Cool and Intact	Date Analyzed:	03-22-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.006	0.2
1,1-Dichloroethene	ND	0.006	0.7
2-Butanone	ND	0.007	200
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethane	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	98 %
Bromofluorobenzene	99 %

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

** QUALITY ASSURANCE EPA METHODS 8010/8020
MATRIX SPIKE - AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Spike	Date Reported:	03-22-94
Laboratory Number:	7071-S-TCV	Date Sampled:	03-18-94
Sample Matrix:	Soil	Date Received:	03-18-94
Analysis Requested:	TCLP	Date Analyzed:	03-22-94
Condition:	NA		

Parameter	Sample Result (ug/L)	Spike Added (ug/L)	Spiked Sample Result (ug/L)	Det. Limit (ug/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	10.0	12.0	6.4	99	28-163
1,1-Dichloroethene	ND	10.0	10.4	6.5	100	43-143
2-Butanone	49.1	10.0	58.0	5.7	98	47-132
Chloroform	ND	10.0	9.9	5.0	99	49-133
Carbon Tetrachloride	ND	10.0	9.2	5.0	92	43-143
Benzene	ND	10.0	9.4	5.1	94	39-150
1,2-Dichloroethane	ND	10.0	9.4	5.0	94	51-147
Trichloroethene	ND	10.0	9.6	5.0	96	35-146
Tetrachloroethene	ND	10.0	10.0	5.0	99	26-162
Chlorobenzene	ND	10.0	9.4	5.0	94	38-150
1,4-Dichlorobenzene	ND	10.0	9.8	5.0	98	42-143

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - BLANKS

Client:	NA	Project #:	NA
Sample ID:	Blanks	Date Reported:	03-28-94
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	03-23-94
Condition:	NA	Date Extracted:	NA

Parameter	Instrument Blank (mg/L)	Extraction Sol. Blank (mg/L)	Det. Limit (mg/L)
ARSENIC	ND	ND	0.001
BARIUM	ND	ND	0.1
CADMIUM	ND	ND	0.001
CHROMIUM	ND	ND	0.001
LEAD	ND	ND	0.001
MERCURY	ND	ND	0.002
SELENIUM	ND	ND	0.001
SILVER	ND	ND	0.01

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

QUALITY ASSURANCE REPORT
EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - MATRIX SPIKE

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	03-28-94
Laboratory Number:	NA	Date Sampled:	03-18-94
Sample Matrix:	TCLP Extract	Date Received:	03-18-94
Analysis Requested:	TCLP	Date Analyzed:	03-23-94
Condition:	NA	Date Extracted:	03-21-94

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
ARSENIC	0.100	0.007	0.106	99
BARIUM	10.0	3.18	13.1	99
CADMIUM	0.100	0.014	0.112	98
CHROMIUM	0.100	ND	0.101	101
LEAD	0.100	0.008	0.107	99
MERCURY	0.100	ND	0.098	98
SELENIUM	0.100	0.002	0.102	100
SILVER	1.00	ND	0.975	98

QA ACCEPTANCE CRITERIA:

Parameter	Acceptance Range %
TCLP Metals	80 - 120

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	04-03-94
Laboratory Number:	0402TBN.BLK	Date Sampled:	NA
Sample Matrix:	Hexane	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	04-02-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.022	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Tony Tristano
Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	N/A	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	04-03-94
Laboratory Number:	0316TBN.MB	Date Sampled:	N/A
Sample Matrix:	Sand	Date Received:	N/A
Preservative:	N/A	Date Extracted:	03-16-94
Condition:	N/A	Date Analyzed:	04-02-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.022	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Tony Tustano
Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	04-04-94
Laboratory Number:	0403TCA.BLK	Date Sampled:	NA
Sample Matrix:	2-Propanol	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	04-03-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.025	100.0

SURROGATE RECOVERY	Parameter	Percent Recovery
	2-fluorophenol	111 %
	2,4,6-tribromophenol	112 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Tony Tinsley
Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	04-04-94
Laboratory Number:	0316TCA.MB	Date Sampled:	NA
Sample Matrix:	Sand	Date Received:	NA
Preservative:	NA	Date Extracted:	03-16-94
Condition:	NA	Date Analyzed:	04-03-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.025	100.0

SURROGATE RECOVERY	Parameter	Percent Recovery
	2-fluorophenol	98 %
	2,4,6-tribromophenol	105 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Tony Tristan
Analyst

Review

3442

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location	92101 ANALYSIS/PARAMETERS
WESTERN COMPANY	3250 SOUTHSIDE RIVER RD	

Sampler: (Signature) Robert M Young

Chain of Custody Tape No.

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TCLP W/6 Pest/Herb						Remarks
WASH BAY SOLIDS	3/18/94	1340	7072	SOIL	1	✓						5-POINT COMPOSITE
FLOOR SWEEP	3/18/94	1335	7073	SOIL	1	✓						5-POINT COMPOSITE

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Robert M Young	3/18/94	1435	Alexia L. Spencer	3-18-94	1435
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

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

san juan repro Form 578-81

91405

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ (Submitting this form for oilfield exempt waste is optional) Denny Foust 4/25/94	4. Generator EL PASO NAT GAS
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site BALLARD PLANT
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Envirotech
7. Location of Material (Street Address or ULSTR) NE/4 SE/4 S26, T26N, R9W NMPM	8. State NM

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☐ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation:

BRIEF DESCRIPTION OF THE MATERIAL:

100 gallons Glycol Spilled from dehydrator onto ground

RECEIVED
APR 29 1994
OIL CON. DIV.
DIST. 3

4 drums soil
Rec 26 ~~bbl~~ soil
4/26/94. BOL
4536. Placed in
LF #2-M-6
7 CY
26 bbl

Estimated Volume 5 yd³ Known Volume (to be entered by the operator at the end of the haul):

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 4/25/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 5/2/94

APPROVED BY Jerry Kench TITLE Geo DATE 5/13/94

CONDITIONS OF APPROVAL, IF ANY:

ENVIROTECH INC.

5796 U.S. HIGHWAY 64 · 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

91405

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

Certification of Waste Status

Originating location Ballard Plant; NE/4 & SE/4, Section 26
(TEG) Glycol Contaminated Soil T 26 N, R 9 W
Disposal Location: Envirotech Soil Remediation Site, Hilltop, NM San Juan County

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by EPA's July 1988 Regulatory Determination and that non-exempt waste that is a "hazardous waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the exempt waste in such a manner so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 261.3(b)."

Signature Anu Pundari
Name, Date Anu Pundari 4/22/94
Company El Paso Natural Gas
Address P.O. Box 4990; Fmn NM 87499

731.doc

91405

CERTIFICATE OF WASTE TRANSPORT

Originating Location: EPNG- Ballard Plant

Source of Contamination: Glycol Spill

Generator: El Paso Nat Gas

Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 X

M-6

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Robert Young

Company: Envirotech

Signature: Robert M Young

Date: 4/20/94

STATE OF NEW MEXICO
ENERGY, MINERALS and NATURAL RESOURCES DIVISION
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178

New Mexico DRUG FREE
It's a State of Mind!

April 19, 1994

Environtech Landfarm
Attn Robert Young
5796 US Hwy 64-3014
Farmington, NM 87401

RE: Acceptance of Contaminated Soil from El Paso Natural Gas' Dehydrator and Line Drip Pit Closure Program.

Dear Sirs:

Your Oil Conservation Division Permitted Facilities may accept exempt contaminated material from EPNG's pit closure program by the calendar month. Envirotech and Tierra will provide a source inventory of names, locations and volumes with the landfarm placement cells noted if possible. The source inventories will be filed at the Aztec office by the tenth of the following month as part of the "request for approval to accept solid waste" showing verbal approval and including EPNG's "certificate of waste status".

During this pit closure program EPNG may obtain blanket authorizations from other jurisdictional entities to dispose of exempt contaminated at OCD permitted facilities. Such blanket authorizations will be recognized for 180 days from the originating date for this program. Copies of the authorizations will be filed with the "request for approval to accept solid waste". This initial program will involve the Navajo EPA at some point. Other entities may include the Jicarrilla Tribe, Southern Ute Tribe and Colorado Oil Commission. Sandra Miller of EPNG will interface with these entities as needed and provide the landfarms with the proper authorizations.

If you have questions please contact me at 334-6178.

Yours truly,

Denny G. Foust
Environmental Geologist

XC: Environmental File
DGF File
Sandra Miller_EPNG

92197

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ Denny Foust 4/13/94 (Submitting this form for oilfield exempt waste is optional)	4. Generator Meridian
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site Val Verde Plant
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Envirotech
7. Location of Material (Street Address or ULSTR) Meridian Val Verde Plant A-14-29N-11W NMPM	8. State New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☐ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 4/14/94

BRIEF DESCRIPTION OF THE MATERIAL:

Continuation of Charcoal Filter Media

RECEIVED
APR 18 1994
OIL CON. DIV.
DIST. 3

15cy
Rec 4/14/94 4681
BOL LF#2 C-19

Estimated Volume 10 yd³ Known Volume (to be entered by the operator at the end of the haul): 15 yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 4/13/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 4/18/94

APPROVED BY Jamie Brunk TITLE Geo DATE 4/18/94

CONDITIONS OF APPROVAL, IF ANY:

92147

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: Meridian Val Verde Plant - A-S14, T29N, R11W San Juan

Source: Chloride water Monitor

Disposal Location: Envirotech Soil Remediation Facility, (ESRF) Hilltop, New Mexico

Terry Fax 632-1817

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for ~~the~~ Meridian Val Verde Plant concur with the status of the waste from the subject site.

Name Craig A. Beck

Title/Agency Agent Environmental Representative

Address PO Box 4289

Signature

Date 4/14/94

Post-it™ brand fax transmittal memo 7671	# of pages ▸
To Craig Beck	From Val Verdi
Co.	Co.
Dept.	Phone #
Fax #	Fax #

92197

Envirotech Exempt Waste Manifest
Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

Safety and Environmental

1. Waste Location: Lease/Well No. Val Verde Plant

2. Volume: 15 Cubic Yards — Barrels — Gallons

3. Description of Waste: Charcoal amine filter media.

4. Method of Waste Generation: Filtering of amine solvent in CO_2 stripping process

5. Disposal Cost: No $

6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal C. L. Bach (signature) Date 4/14/9

MOI Representative

Transportation Company: Enviro Tech

Date(s) Transported: 4/14/94

MOI Representative on Site Dwight Foster (signature) Date 4/14/9

Envirotech
Complete and return to Meridian Safety and Environmental with invoice.

Date(s) Received:

Total Volume Received:

Waste Location : Cell/Grid No.

Received By : (signature)

92197

CERTIFICATE OF WASTE TRANSPORT

Originating Location: Meridian Val Verde Plant

Source of Contamination: Contaminated Charcoal Filter Media

Generator: Meridian Oil Inc

Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 X

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Robert M. Young for Richard Lutz

Company: Envirotech

Signature: Robert M Young

Date: 2/18/94

92117-09

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ 3/22/94	4. Generator El Paso Nat Gas
2. Destination Landfarm #2 Envirotech Soil Remediation Facility	5. Name of Originating Site Trunk B Pipeline Rupture
3. Address of Facility Operator 5796 US Hwy 64 3014 Farmington NM 87401	6. Name of Transporter El Paso
7. Location of Material (Street Address or ULSTR) SW 10 - T31N, R9W NMPM	8. State NM

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated Soil From Rupture of "Trunk B" Pipeline.

RECEIVED
APR 01 1994
OIL CON. DIV.
DIST. 3

Rec 20 cy
3/22/94 BOL 4629
LF#2N1

Rec 20 cy BOL 4631
3/22/94
LF#2N1

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

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 3/30/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 4/1/94

APPROVED BY [illegible] TITLE Geo DATE 4/5/94

CONDITIONS OF APPROVAL, IF ANY:

42117-09

CERTIFICATE OF WASTE TRANSPORT

Originating Location: TRUCK B Pipe Line Rupture Cm-10-31-08

Source of Contamination: Cont. Soil from Liquid Blowout

Generator: El Paso Natural Gas

Disposal Location: Envirotech Soil Remediation Site, Hilltop, New Mexico
Landfarm #1___ Landfarm #2 X NMED Landfarm___
Aztec P/L

We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added.

RECEIVED
APR 0 1 1994
OIL CON. DIV.
DIST. 3

Name: Richard R Thaver

Company: El Paso Nat Gas Co

Signature: Richard R Thaver

Date: 3-23-94

92117-09

CERTIFICATE OF WASTE TRANSPORT

Originating Location: Trunk B Pipe Line Rupture (m-10-31

Source of Contamination: Cont. Soil from Liquid Blowout

Generator: El Paso Natural Gas

Disposal Location: Envirotech Soil Remediation Site, Hilltop, New Mexico
Landfarm #1___ Landfarm #2 X NMED Landfarm___

We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added.

Aztec

RECEIVED
APR 0 1 1994
OIL CON. DIV.
DIST. 3

Name: Richard R Chavez

Company: El Paso Nat Gas Co

Signature: Richard R Chavez

Date: 3/22/94

92117-09

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: TRUNK B (SW10-31-9)

Source: Pipeline liquids released from a leak into the ground.

Disposal Location: Envirotech Soil Remediation Facility, (ESRF) Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for ~~the~~ EPNG concur with the status of the waste from the subject site.

RECEIVED
APR 01 1994
OIL CON. DIV.
DIST. 3

Name Sandra D. Miller

Title/Agency Sr. Environmental Scientist
El Paso Natural Gas

Address P.O. Box 4990
Farmington, NM 87499

Signature Sandra D Miller

Date 3/21/94

92262

OIL CONSERVATION DIVISION
RECEIVED
'94 APR 11 AM 8 40

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒	4. Generator Hicks OIL + GAS
2. Destination Landfarm #2 - Envirotech Soil Remediation Facility	5. Name of Originating Site CHA-CHA #2 Disposal Well
3. Address of Facility Operator 5796 US Hwy 64-3014, Farmington, NM 87401	6. Name of Transporter ENVIROTECH
7. Location of Material (Street Address or ULSTR) "O", S15, T28N, R13W NMPM	8. State NM

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

Drain Pit Residue from injection Well Facility

- TCLP of Stockpiled SOILS From Pit Excavation IS INCLUDED

RECEIVED
APR 12 1994
OIL CON. DIV.
DIST. 3

RECEIVED
APR 07 1994
OIL CON. DIV.
DIST. 3

Estimated Volume 1200 cy Known Volume (to be entered by the operator at the end of the haul): 1494 cy

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

SIGNATURE Robert M Young TITLE LANDFARM SUPERVISOR DATE 4/6/94

TYPE OR PRINT NAME ROBERT M. YOUNG TELEPHONE NO. 505 632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 4/8/94

APPROVED BY [signature] TITLE ER Chief DATE 4/11/94

CONDITIONS OF APPROVAL, IF ANY: BLM ordered clean-up spring 1993

SF 4/8/94

Q2262

CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL

Originating Location: Hicks Oil and Gas Southeast CHA-CHA Water Disposal Well
Source: Drain Pit Residue
Disposal Location: Envirotech Soil Remediation Facility, (NMED) Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for the Hicks Oil & Gas concur with the status of the waste from the subject site.

Name Jim Hicks
Title/Agency President, Hicks Oil & Gas
Address P O Box 99 Mint
Signature
Date 6

92262

CERTIFICATE OF WASTE TRANSPORT

Originating Location: SOUTHEAST CHA-CHA DISPOSAL WELL

Source of Contamination: DRAIN PIT RESIDUE

Generator: HICKS OIL & GAS

Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 X

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Robert M Young

Company: Envirotech

Signature: Robert M Young

Date: 2/21/94

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	Hicks Oil & Gas	Project #:	92262
Sample ID:	5 point Stockpile Comp	Date Reported:	03-18-94
Laboratory Number:	7060	Date Sampled:	03-16-94
Sample Matrix:	Soil	Date Received:	03-16-94
Preservative:	Cool	Date Extracted:	03-16-94
Condition:	Cool & Intact	Date Analyzed:	03-17-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
1,1-Dichloroethene	ND	0.005	0.7
2-Butanone	ND	0.005	200
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	98 %
Bromofluorobenzene	97 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments: Stockpile At LF #2 Holding Area

Analyst

Review

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	Hicks Oil & Gas	Project #:	92262
Sample ID:	5 point composite	Date Reported:	04-04-94
Laboratory Number:	7060	Date Sampled:	03-16-94
Sample Matrix:	Soil	Date Received:	03-16-94
Preservative:	Cool	Date Extracted:	03-16-94
Condition:	Cool & Intact	Date Analyzed:	04-03-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.025	100.0

SURROGATE RECOVERY	Parameter	Percent Recovery
	2-fluorophenol	113 %
	2,4,6-tribromophenol	105 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments: Stockpile @ LF #2 Holding area

Tony Tristano
Analyst

Review

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	Hicks Oil & Gas	Project #:	92262
Sample ID:	5 point composite	Date Reported:	04-03-94
Laboratory Number:	7060	Date Sampled:	03-16-94
Sample Matrix:	Soil	Date Received:	03-16-94
Preservative:	Cool	Date Extracted:	03-16-94
Condition:	Cool & Intact	Date Analyzed:	04-02-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.022	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	0.1	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments: Stockpile @ LF #2 Holding area

Tony Tristano
Analyst

Morris D. Young
Review

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client: Hicks Oil & Gas
Sample ID: 5 Point Stockpile Comp.
Laboratory Number: 7060
Sample Matrix: Soil
Preservative: Cool
Condition: Cool & Intact

Project #: 92262
Date Reported: 03-18-94
Date Sampled: 03-16-94
Date Received: 03-16-94
Date Analyzed: 03-17-94
Date Extracted: 03-16-94
Analysis Needed: TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	0.001	0.001	5.000
BARIUM	2.7	0.1	100.0
CADMIUM	0.004	0.001	1.000
CHROMIUM	ND	0.001	5.000
LEAD	0.001	0.001	5.000
MERCURY	ND	0.002	0.200
SELENIUM	0.006	0.001	1.000
SILVER	ND	0.01	5.00

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

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

ND - Parameter not detected at the stated detection limit.

Comments: Stockpile At LF #2 Holding Area

Analyst

Review

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

RCRA CHARACTERISTICS

Client:	Hicks Oil & Gas	Project #:	92262
Sample ID:	5 point Stockpile Comp.	Date Reported:	03-16-94
Lab ID#:	7060	Date Sampled:	03-16-94
Sample Matrix:	Soil	Date Received:	03-16-94
Preservative:	Cool	Date Analyzed:	03-16-94
Condition:	Cool & Intact		

IGNITABILITY: Did not ignite upon direct contact with flame after heating to 60°c.

CORROSIVITY: pH of 8.32

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

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: ≤ pH 2 or ≥ pH 12.5 is hazardous waste.

Stockpile at LF #2 Holding Area

Analyst

Reviewed

ENVIROTECH LABORATORIES

5796 U.S. HIGHWAY 64-3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	03-18-94
Laboratory Number:	0317TCV.BLK	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	03-17-94
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
2-Butanone	ND	0.005	200
1,1-Dichloroethene	ND	0.005	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	99 %
Bromofluorobenzene	100 %

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	04-04-94
Laboratory Number:	0403TCA.BLK	Date Sampled:	NA
Sample Matrix:	2-Propanol	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	04-03-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.025	100.0

SURROGATE RECOVERY	Parameter	Percent Recovery
	2-fluorophenol	111 %
	2,4,6-tribromophenol	112 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Tony Tristan
Analyst

Review

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	04-03-94
Laboratory Number:	0402TBN.BLK	Date Sampled:	NA
Sample Matrix:	Hexane	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	04-02-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.022	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Tony Tristano
Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - BLANKS

Client:	NA	Project #:	NA
Sample ID:	Blanks	Date Reported:	03-18-94
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	03-17-94
Condition:	NA	Date Extracted:	NA

Parameter	Instrument Blank (mg/L)	Extraction Sol. Blank (mg/L)	Det. Limit (mg/L)
ARSENIC	ND	ND	0.001
BARIUM	ND	ND	0.1
CADMIUM	ND	ND	0.001
CHROMIUM	ND	ND	0.001
LEAD	ND	ND	0.001
MERCURY	ND	ND	0.002
SELENIUM	ND	ND	0.001
SILVER	ND	ND	0.01

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	03-18-94
Laboratory Number:	0316TCV.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	03-16-94
Condition:	Cool & Intact	Date Analyzed:	03-17-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
1,1-Dichloroethene	ND	0.005	0.7
2-Butanone	ND	0.005	200
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	99 %
Bromofluorobenzene	98 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank

Analyst

Review

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EPA METHOD 8040
PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	04-04-94
Laboratory Number:	0316TCA.MB	Date Sampled:	NA
Sample Matrix:	Sand	Date Received:	NA
Preservative:	NA	Date Extracted:	03-16-94
Condition:	NA	Date Analyzed:	04-03-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.025	100.0

SURROGATE RECOVERY

Parameter	Percent Recovery
2-fluorophenol	98 %
2,4,6-tribromophenol	105 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Tony Tristan
Analyst

Marvin D Young
Review

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EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	N/A	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	04-03-94
Laboratory Number:	0316TBN.MB	Date Sampled:	N/A
Sample Matrix:	Sand	Date Received:	N/A
Preservative:	N/A	Date Extracted:	03-16-94
Condition:	N/A	Date Analyzed:	04-02-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.022	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Tony Tristan
Analyst

Review

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** QUALITY ASSURANCE EPA METHODS 8010/8020
MATRIX SPIKE - AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Spike	Date Reported:	03-18-94
Laboratory Number:	7059STCV.	Date Sampled:	03-15-94
Sample Matrix:	Soil	Date Received:	03-16-94
Analysis Requested:	TCLP	Date Analyzed:	03-17-94
Condition:	NA		

Parameter	Sample Result (ug/L)	Spike Added (ug/L)	Spiked Sample Result (ug/L)	Det. Limit (ug/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	10.0	11.3	5.0	101	28-163
1,1-Dichloroethene	ND	10.0	10.4	5.1	98	43-143
2-Butanone	ND	10.0	10.8	5.0	102	47-132
Chloroform	ND	10.0	9.9	5.0	99	49-133
Carbon Tetrachloride	ND	10.0	9.7	5.0	97	43-143
Benzene	ND	10.0	10.0	5.0	96	39-150
1,2-Dichloroethane	ND	10.0	9.7	5.0	97	51-147
Trichloroethene	ND	10.0	9.7	5.0	97	35-146
Tetrachloroethene	ND	10.0	12.1	5.0	100	26-162
Chlorobenzene	ND	10.0	10.0	5.0	100	38-150
1,4-Dichlorobenzene	ND	10.0	9.6	5.0	96	42-143

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

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QUALITY ASSURANCE REPORT
EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - MATRIX SPIKE

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	03-18-94
Laboratory Number:	NA	Date Sampled:	03-15-94
Sample Matrix:	TCLP Extract	Date Received:	03-16-94
Analysis Requested:	TCLP	Date Analyzed:	03-17-94
Condition:	NA	Date Extracted:	03-16-94

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
ARSENIC	0.100	0.003	0.102	99
BARIUM	10.0	1.28	11.3	100
CADMIUM	0.100	0.030	0.130	100
CHROMIUM	0.100	ND	0.101	101
LEAD	0.100	0.042	0.141	99
MERCURY	0.100	ND	0.099	99
SELENIUM	0.100	0.008	0.107	99
SILVER	1.00	ND	1.01	101

QA ACCEPTANCE CRITERIA:

Parameter	Acceptance Range %
TCLP Metals	80 - 120

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

3430

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location	ANALYSIS/PARAMETERS
Hicks OIL & GAS 92262 Halliburton Resource Mgmt	STOCKPILE AT LF#2 HOLDING AREA	
Sampler: (Signature) Robert M Young	Chain of Custody Tape No.	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TCLP W/o Pesticides						Remarks
5 point stockpile Composite	3/16/94	0745	7060	SOIL	1	✓						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Robert M Young	3/16/94	0815	Denise L. Spencer	3-16-94	0815
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

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

Submit Results to R. Young, Rmy

OIL CONSERVATION DIVISION

92118

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒	4. Generator Halliburton Resource Management 1125 HWY 550, AZTEC
2. Destination LANDFARM #2, ENVIROTECH SOIL REMEDIATION FACILITY	5. Name of Originating Site Halliburton Resource Mgmt
3. Address of Facility Operator 5796 US HWY	6. Name of Transporter Envirotech INC
7. Location of Material (Street Address or ULSTR) 1125 US HWY 550, AZTEC, N.M. ~~87~~	8. State NM

RECEIVED '94 APR 11 AM 8 49

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

Compressor OIL CONTAMINATED SOILS FROM VARIOUS COMPRESSOR SITES, STOCKPILED AT 1125 W HWY 550.

TCLP ENCLOSED

RECEIVED
APR 12 1994
OIL CON. DIV.
DIST. 3

RECEIVED
APR 07 1994
OIL CON. DIV.
DIST. 3

Estimated Volume 20 drums cy Known Volume (to be entered by the operator at the end of the haul): 6 cy

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

SIGNATURE Robert M Young TITLE LANDFARM SUPERVISOR DATE 4/5/94

TYPE OR PRINT NAME ROBERT M. YOUNG TELEPHONE NO. 632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 4/8/94

APPROVED BY Roger Anderson TITLE E.B. Chief DATE 4/11/94

CONDITIONS OF APPROVAL, IF ANY: This is a compressor Service.

SF 4/8/94

92118

CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL

Originating Location: HALLIBURTON Resource Mgmt 1125 Hwy 550, Aztec NM
Source: Compressor or Contaminated Soils - 20461
Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for ~~the~~ HALLIBURTON Resource Mgmt concur with the status of the waste from the subject site.

Name TODD McCoy
Title/Agency Field Sales Service Rep
Address 1125 US Hwy 550
Aztec NM 87410
Signature [signature]
Date 4-5-94

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	Halliburton Resource Mgmt.	Project #:	92118
Sample ID:	20 Barrel Comp	Date Reported:	03-18-94
Laboratory Number:	7059	Date Sampled:	03-15-94
Sample Matrix:	Soil	Date Received:	03-16-94
Preservative:	Cool	Date Extracted:	03-16-94
Condition:	Cool & Intact	Date Analyzed:	03-17-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
1,1-Dichloroethene	ND	0.005	0.7
2-Butanone	ND	0.005	200
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	96 %
Bromofluorobenzene	96 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments: 1125 Hwy 550, Aztec

Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	HRM	Project #:	92118
Sample ID:	20 bbl composite	Date Reported:	04-04-94
Laboratory Number:	7059	Date Sampled:	03-15-94
Sample Matrix:	Soil	Date Received:	03-16-94
Preservative:	Cool	Date Extracted:	03-16-94
Condition:	Cool & Intact	Date Analyzed:	04-03-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	0.39	0.025	100.0

SURROGATE RECOVERY	Parameter	Percent Recovery
	2-fluorophenol	114 %
	2,4,6-tribromophenol	106 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments: 1125 Hwy 550, Aztec
Sample from compressor oil waste stream

Tony Tristan
Analyst

Review

ENVIROTECH LABS
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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	HRM	Project #:	92118
Sample ID:	20 bbl composite	Date Reported:	04-03-94
Laboratory Number:	7059	Date Sampled:	03-15-94
Sample Matrix:	Sand	Date Received:	03-16-94
Preservative:	Cool	Date Extracted:	03-16-94
Condition:	Cool & Intact	Date Analyzed:	04-02-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.022	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments: 1125 Hwy 550 Aztec
Sample from compressor oil waste stream

Tony Tristan
Analyst

Review

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Halliburton Resource Mgmt.	Project #:	92118
Sample ID:	20 Barrel Comp.	Date Reported:	03-18-94
Laboratory Number:	7059	Date Sampled:	03-15-94
Sample Matrix:	Soil	Date Received:	03-16-94
Preservative:	Cool	Date Analyzed:	03-17-94
Condition:	Cool & Intact	Date Extracted:	03-16-94
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	0.003	0.001	5.000
BARIUM	1.3	0.1	100.0
CADMIUM	0.030	0.001	1.000
CHROMIUM	ND	0.001	5.000
LEAD	0.042	0.001	5.000
MERCURY	ND	0.002	0.200
SELENIUM	0.008	0.001	1.000
SILVER	ND	0.01	5.00

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

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

ND - Parameter not detected at the stated detection limit.

Comments: 1125 Hwy 550, Aztec

Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

RCRA CHARACTERISTICS

Client:	Halliburton Resources Mgmt.	Project #:	92118
Sample ID:	20 Barrel Composite	Date Reported:	03-16-94
Lab ID#:	7059	Date Sampled:	03-15-94
Sample Matrix:	Soil	Date Received:	03-16-94
Preservative:	Cool	Date Analyzed:	03-16-94
Condition:	Cool & Intact		

IGNITABILITY: Did not ignite upon direct contact with flame after heating to 60°c.

CORROSIVITY: pH of 8.19

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

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: ≤ pH 2 or ≥ pH 12.5 is hazardous waste.

1125 Hwy 550, Aztec

Analyst

Reviewed

ENVIROTECH LABORATORIES

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FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	03-18-94
Laboratory Number:	0317TCV.BLK	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	03-17-94
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
2-Butanone	ND	0.005	200
1,1-Dichloroethene	ND	0.005	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	99 %
Bromofluorobenzene	100 %

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS
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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	04-04-94
Laboratory Number:	0403TCA.BLK	Date Sampled:	NA
Sample Matrix:	2-Propanol	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	04-03-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.025	100.0

SURROGATE RECOVERY	Parameter	Percent Recovery
	2-fluorophenol	111 %
	2,4,6-tribromophenol	112 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Tony Tristano
Analyst

Review

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	04-03-94
Laboratory Number:	0402TBN.BLK	Date Sampled:	NA
Sample Matrix:	Hexane	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	04-02-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.022	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Tony Tristano
Analyst

Review

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - BLANKS

Client:	NA	Project #:	NA
Sample ID:	Blanks	Date Reported:	03-18-94
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	03-17-94
Condition:	NA	Date Extracted:	NA

Parameter	Instrument Blank (mg/L)	Extraction Sol. Blank (mg/L)	Det. Limit (mg/L)
ARSENIC	ND	ND	0.001
BARIUM	ND	ND	0.1
CADMIUM	ND	ND	0.001
CHROMIUM	ND	ND	0.001
LEAD	ND	ND	0.001
MERCURY	ND	ND	0.002
SELENIUM	ND	ND	0.001
SILVER	ND	ND	0.01

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	03-18-94
Laboratory Number:	0316TCV.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	03-16-94
Condition:	Cool & Intact	Date Analyzed:	03-17-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
1,1-Dichloroethene	ND	0.005	0.7
2-Butanone	ND	0.005	200
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	99 %
Bromofluorobenzene	98 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank

Analyst

Review

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	04-04-94
Laboratory Number:	0316TCA.MB	Date Sampled:	NA
Sample Matrix:	Sand	Date Received:	NA
Preservative:	NA	Date Extracted:	03-16-94
Condition:	NA	Date Analyzed:	04-03-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.025	100.0

SURROGATE RECOVERY

Parameter	Percent Recovery
2-fluorophenol	98 %
2,4,6-tribromophenol	105 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Tony Tintas
Analyst

Review

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	N/A	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	04-03-94
Laboratory Number:	0316TBN.MB	Date Sampled:	N/A
Sample Matrix:	Sand	Date Received:	N/A
Preservative:	N/A	Date Extracted:	03-16-94
Condition:	N/A	Date Analyzed:	04-02-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.022	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Tony Tristan
Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

** QUALITY ASSURANCE EPA METHODS 8010/8020
MATRIX SPIKE - AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Spike	Date Reported:	03-18-94
Laboratory Number:	7059STCV.	Date Sampled:	03-15-94
Sample Matrix:	Soil	Date Received:	03-16-94
Analysis Requested:	TCLP	Date Analyzed:	03-17-94
Condition:	NA		

Parameter	Sample Result (ug/L)	Spike Added (ug/L)	Spiked Sample Result (ug/L)	Det. Limit (ug/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	10.0	11.3	5.0	101	28-163
1,1-Dichloroethene	ND	10.0	10.4	5.1	98	43-143
2-Butanone	ND	10.0	10.8	5.0	102	47-132
Chloroform	ND	10.0	9.9	5.0	99	49-133
Carbon Tetrachloride	ND	10.0	9.7	5.0	97	43-143
Benzene	ND	10.0	10.0	5.0	96	39-150
1,2-Dichloroethane	ND	10.0	9.7	5.0	97	51-147
Trichloroethene	ND	10.0	9.7	5.0	97	35-146
Tetrachloroethene	ND	10.0	12.1	5.0	100	26-162
Chlorobenzene	ND	10.0	10.0	5.0	100	38-150
1,4-Dichlorobenzene	ND	10.0	9.6	5.0	96	42-143

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

QUALITY ASSURANCE REPORT
EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - MATRIX SPIKE

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	03-18-94
Laboratory Number:	NA	Date Sampled:	03-15-94
Sample Matrix:	TCLP Extract	Date Received:	03-16-94
Analysis Requested:	TCLP	Date Analyzed:	03-17-94
Condition:	NA	Date Extracted:	03-16-94

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
ARSENIC	0.100	0.003	0.102	99
BARIUM	10.0	1.28	11.3	100
CADMIUM	0.100	0.030	0.130	100
CHROMIUM	0.100	ND	0.101	101
LEAD	0.100	0.042	0.141	99
MERCURY	0.100	ND	0.099	99
SELENIUM	0.100	0.008	0.107	99
SILVER	1.00	ND	1.01	101

QA ACCEPTANCE CRITERIA:

Parameter	Acceptance Range %
TCLP Metals	80 - 120

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

3429

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location	ANALYSIS/PARAMETERS
92118 HALLIBURTON RESOURCE MGMT.	1125 HWY 550 AZTEC	
Sampler: (Signature) R. E. O'Neill	Chain of Custody Tape No.	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TCLP wb Pest Herb						Remarks
20 BARREL COMP	3-15-94	1605	7059	SOIL	1	✓						SAMPLE FROM COMPRESSOR OIL WASTE STREAM.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
R. E. O'Neill	3-16-94	0709	Kevin L. Ajenian	3-16-94	0709
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

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

Submit Results to R. Young

04/00
~~97183~~

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ ERNIE BUSH, NMOCD 3/21/94	4. Generator ARCO
2. Destination LANDFARM #2 ~~525~~ ESTF	5. Name of Originating Site Ward W.N Fed Com # 1
3. Address of Facility Operator 5796 US Hwy 64-3014 Farmington, NM 87401	6. Name of Transporter ENVIROTECH
7. Location of Material (Street Address or ULSTR) (B) Sec 21, T29N, R10W NM PM	8. State NM

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

Excavated Contaminated Soils (Hydrocarbon) From ~~Blow Pit~~ Separator Pit

RECEIVED
APR 01 1994
OIL CON. DIV.
DIST. 3

Rec 648cy
3/21/94-3/23/94
BOL 4625, 4626, 4627, 4623
#4630, 4632
LF#2 D12, E12, F12
G12, H12

Estimated Volume 150 cy Known Volume (to be entered by the operator at the end of the haul): 648cy cy

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

SIGNATURE Robert M Young TITLE LANDFARM SUPERVISOR DATE 3/21/94

TYPE OR PRINT NAME ROBERT M. YOUNG TELEPHONE NO. 632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 4/1/94

APPROVED BY Ernie Busch TITLE [illegible] DATE 4/5/94

CONDITIONS OF APPROVAL, IF ANY:

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

93183
04100

RECEIVED
APR 0 1 1994
OIL CON. DIV.
DIST. 3

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: ARCO-Wood WM Fed Com #1 B,S21,T24N,R10W NMPM

Source: CONTAMINATED SOIL FROM EXCAVATION OF BLOW PIT.

Disposal Location: Envirotech Soil Remediation Facility, (ESRF) Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for ~~the~~ ARCO - VASTAR concur with the status of the waste from the subject site.

Name MARIO G. RAMON

Title/Agency Principal Environmental Consultant VASTAR Resources INC.

Address 15375 MEMORIAL DR. Houston, Tex. 77079

Signature

Date 3/22/94

93183
04100

RECEIVED
APR 01 1994
OIL CON. DIV.
DIST. 3

CERTIFICATE OF WASTE TRANSPORT

Originating Location: ARCO-Wood WM Fed Com #1 Blow Pit (B) S21, T29N, R10W, NMPM

Source of Contamination: Blow Pit Excavation

Generator: ARCO/NASTAR

Disposal Location: Envirotech Soil Remediation Site, Hilltop, New Mexico
Landfarm #1___ Landfarm #2_X_ NMED Landfarm___

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Robert M. Young

Company: ENVIROTECH

Signature: Robert M Young

Date: 3/21/94

92117-09

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ 3/22/94	4. Generator El Paso Nat Gas
2. Destination Landfarm #2 Envirotech Soil Remediation Facility	5. Name of Originating Site Trunk B Pipeline Rupture
3. Address of Facility Operator 5796 US Hwy 64 3014 Farmington NM 87401	6. Name of Transporter El Paso
7. Location of Material (Street Address or ULSTR) SW 10 - T31N, R9W NMPM	8. State NM

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated Soil From Rupture of "Trunk B" Pipeline.

RECEIVED
APR 01 1994
OIL CON. DIV.
DIST. 3

Rec 20 cy
3/22/94 BOL 4629
LF#2N1

Rec 20 cy BOL 4631
3/22/94
LF#2N1

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

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

SIGNATURE Robert M Young TITLE Landfarm Supervisor DATE 3/30/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 4/1/94

APPROVED BY Ernie Busch TITLE Geo DATE 4/5/94

CONDITIONS OF APPROVAL, IF ANY:

92117-09

CERTIFICATE OF WASTE TRANSPORT

Originating Location:

Source of Contamination: Cont. Soil from Liquid Blowout

Generator: El Paso Natural Gas

Disposal Location: Envirotech Soil Remediation Site, Hilltop, New Mexico
Landfarm #1___ Landfarm #2 X NMED Landfarm___
Aztec P/L

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

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APR 0 1 1994
OIL CON. DIV.
DIST. 3

Name: Richard R Chavez

Company: El Paso Nat Gas Co

Signature: Richard R Chavez

Date: 3-23-94

92117-09

CERTIFICATE OF WASTE TRANSPORT

Originating Location: Tank B ' Line return - m- 0-3 top

Source of Contamination: Cont. Soil fro Lined out

Generator: El Paso Natural Gas

Disposal Location: Envirotech Soil Remediation Site, Hilltop, New Mexico
Landfarm #1___ Landfarm #2 X NMED Landfarm___

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Aztec

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APR 01 1994
OIL CON. DIV.
DIST. 3

Name:

Company: El Paso Nat Gas Co

Signature:

Date:

92117-09

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: TRUNK B (SW10-31-9)

Source: Pipeline liquids released from a leak into the ground.

Disposal Location: Envirotech Soil Remediation Facility, (ESRF) Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for ~~the~~ EPNG concur with the status of the waste from the subject site.

RECEIVED
APR 01 1994
OIL CON. DIV.
DIST. 3

Name Sandra D. Miller

Title/Agency Sr. Environmental Scientist
El Paso Natural Gas

Address P.O. Box 4990
Farmington, NM 87499

Signature Sandra D Miller

Date 3/21/94

394

04051

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXXX

1. RCRA Exempt: ☒ Non-Exempt: ☐
Verbal Approval Received: Yes ☒ No ☐ FRANK CHAVEZ 7/26/94
(Submitting this form for oilfield exempt waste is optional)

4. Generator On-Site Technologies for Rocanville Corporation

2. Destination
Land Farm # 2 Envirotech Soil Remediation Facility

5. Name of Originating Site
Fairfield #3

3. Address of Facility Operator
5796 US Hwy. 64-3014 Farmington, New Mexico 87401

6. Name of Transporter
Sun Co Transport

7. Location of Material (Street Address or ULSTR)
S14-T27N-R13W, NMPM 2100'FNL & 1850'FWL

8. State
New Mexico

9. **Check One**

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☐ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 7/26/94

BRIEF DESCRIPTION OF THE MATERIAL:

Circulating Fluid, drilling mud, Shale Solids, and 2% KCL in water.
This is a Semi-Solid waste that will be sent to
Landfarm #2 Blending Area for stabilization.

Material is reportedly being Removed due to the site location being BLM & Reservation.

Rec 480bbl Sludge.
Placed 388cy Soil
into LF #2 F-12, F-13.
Blended 480bbl into 388cy
7-26-94 Through 7-29-94

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

480bbl = 388cy

Estimated Volume 120661 yd³ Known Volume (to be entered by the operator at the end of the haul): _____ yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 7/26/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 3/13/95

APPROVED BY Jamie Bunch TITLE " DATE 3/15/95

CONDITIONS OF APPROVAL, IF ANY:

File in 1994 7/26/94

04051

CERTIFICATE OF WASTE TRANSPORT

Originating Location: Fairchild #3

Source of Contamination: Drilling mud & water

Generator: On Site Tech. for ~~Roadrunner~~ Rockville Corp.

Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 ✓

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Donald R. Roquemore

Company: SUNCO Trucking Co.

Signature: Donald R. Roquemore

Date: 7-26-94

04051

CERTIFICATE OF WASTE TRANSPORT

Originating Location: Rocanville Corp FAIRfield #3

Source of Contamination: Oiling mud

Generator: Rocanville Corp.

Disposal Location: Envirotech Soil Remediation Site, Hilltop, New Mexico
Landfarm #1___ Landfarm #2✓___ NMED Landfarm___

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Darrold R. Roquemore

Company: D. Sunco Trucking Co.
Farmington N. Mex

Signature: Darrold R. Roquemore

Date: 7-28-94

ENVIROTECH INC.

04051

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

ON-SITE TECHNOLOGIES FOR ROCANVILLE CORP.

Originating Location: FAIRFIELD #3

Source: Circulating Fluid, Drilling Mud, Shale Solids, and 2% KCL in Water

Disposal Location: Envirotech Soil Remediation Facility, (ESRF) Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for ~~ON-SITE TECHNOLOGIES~~ ROCANVILLE CORP. concur with the status of the waste from the subject site.

Bill is to go to Rocanville Corp.

Joe A. Wilbanks

Name Joe A. Wilbanks

Title/Agency

Address

Signature Joe A. Wilbanks

Date 7-27-94

0404 7

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ Approval Previously Received From Denny Foust (Submitting this form for oilfield exempt waste is optional)	4. Generator EL Paso Natural Gas
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site Various Pits
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Doug Foutz
7. Location of Material (Street Address or ULSTR) See Attached List	8. State New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☐ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: August 1994

BRIEF DESCRIPTION OF THE MATERIAL:

Continuation of Contaminated Soil From various dehydrator and drip pits in the State of New Mexico.

RECEIVED
SEP 22 1994
OIL CON. DIV.
DIST. 3

Estimated Volume _____ yd³ Known Volume (to be entered by the operator at the end of the haul): 5540 yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 8/10/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 9/22/94

APPROVED BY Ernie Busch TITLE Geo DATE 9/22/94

CONDITIONS OF APPROVAL, IF ANY:

ENVIROTECH SOIL REMEDIATION FACILITY
HILLTOP, NEW MEXICO
EPNG (04047) TRACKING LOG 8/94

AUGUST 1994
LANDFARM #2

COORDINATES T-R-S-L	METER # (s)	PIT NAME	CLOSURE DATE	QUANTITY CUBIC YARDS	DESTINATION (LANDFARM : CELL)
27-08-36-E	70597	BROOKHAVEN COM D5	08-01-94	90	LF #2: P3, P4
27-08-22-L	71615	MARRON #31	08-01-94	70	LF #2: P3, P4
27-08-28-A	70469	BOLACK C LS #1	08-01-94	40	LF #2: P3
27-08-26-G	72405	HAMMOND #7	08-01-94	60	LF #2: P4
27-08-21-I	70470	FLORANCE D LS #1	08-01-94	60	LF #2: P4
27-08-26-G	72405	HAMMOND #7	08-02-94	30	LF #2: P5
27-08-22-G	87061	MARRON WN FED #7	08-02-94	50	LF #2: P5
27-08-16-H	N/A	D-5 LINE DRIP	08-02-94	70	LF #2: P5
27-08-16-G	71033	SCHULTZ #1	08-02-94	50	LF #2: P5
27-08-16-O	71162	SCHULTZ COM #4	08-02-94	30	LF #2: P5
27-08-16-M	71035	SCHULTZ #3	08-02-94	50	LF #2: P5, Q1
27-08-04-D	93552/93553	DAWSON A #1M MV/PC	08-03-94	70	LF #2: Q1
27-08-04-F	87023	GRAHAM WN FED #7	08-03-94	40	LF #2: Q1
28-08-33-N	72049	BOLACK B #3 PC	08-03-94	140	LF #2: Q1
27-08-05-H	70625	FILAN #1	08-04-94	50	LF #2: Q1, Q2
27-08-08-D	93947	SCHWERDTFEGER A #6E	08-04-94	70	LF #2: Q2
27-08-07-A	70624	DAY #1B	08-04-94	20	LF #2: Q2
27-09-13-B	93126	JOHN CHARLES #8	08-04-94	110	LF #2: Q2
26-08-30-F	74218	NAW-DI-DES WOOD #1	08-05-94	10	LF #2: Q2
26-08-19-M	74234	BUD-DOS-PAH #1	08-05-94	50	LF #2: Q2, Q3
26-08-07-F	74614	WILLIAMS #1	08-05-94	20	LF #2: Q3
26-09-25-H	75641	TIBBAR FED #4	08-05-94	30	LF #2: Q3
28-08-13-O	93509	PRICE #2	08-05-94	40	LF #2: Q3
26-09-25-A	74410	McCONNEL #6	08-05-94	50	LF #2: Q3
26-09-25-A	74410	McCONNEL #6	08-08-94	30	LF #2: Q3
26-09-24-J	75639	BABBIT #1	08-08-94	60	LF #2: Q3, R1
26-09-13-P	75605	TIBBAR FED #2	08-08-94	150	LF #2: Q3, R1
26-08-18-D	74439	DE-NA-HAZ-ZA #1	08-08-94	40	LF #2: R1
26-09-13-P	75605	TIBBAR FED #2	08-09-94	30	LF #2: R1
26-08-06-E	75052	NAVAJO INDIAN #6 MV	08-09-94	110	LF #2: R2
26-08-07-M	74440	GE-ELE-GU-LITH E#1	08-09-94	50	LF #2: R1
26-08-06-E	73924	NAVAJO INDIAN #6 DK	08-09-94	70	LF #2: R1, R2
26-08-07-L	75516	GE-ELE-GU-LITH E#2	08-09-94	20	LF #2: R2
26-09-15-H	N/A	C-17 LINE DRIP	08-10-94	180	LF #2: R2, R3
26-09-01-K	N/A	LAT C-7 LINE DRIP Y-1	08-10-94	140	LF #2: R2, R3
26-09-01-K	N/A	LAT C-7 LINE DRIP Y-1	08-11-94	70	LF #2: R3, R4
26-09-11-N	73913	HUERFANITO #6	08-11-94	60	LF #2: R4
26-09-01-A	71358	HUERFANITO 11-1	08-11-94	30	LF #2: R4
26-09-01-N	71097	HUERFANITO 13-1	08-11-94	40	LF #2: R4
26-09-12-D	70884	HUERFANITO #64	08-11-94	40	LF #2: R4, Q4
26-09-11-M	70779	CRANDELL #1	08-11-94	80	LF #2: R4, Q4
26-09-15-E	N/A	LAT C-22 LINE DRIP	08-12-94	40	LF #2: Q4
26-09-10-M	70768	BALLARD #1	08-12-94	40	LF #2: Q4
26-09-15-O	70791	BALLARD #9	08-15-94	50	LF #2: Q4
26-09-02-N	71093	HUERFANITO #17-2	08-15-94	60	LF #2: Q4
26-09-04-P	14031	HUERFANITO #25-4	08-15-94	50	LF #2: Q4, Q5
26-09-04-K	14030	HUERFANITO #24-4	08-15-94	60	LF #2: Q4, Q5
28-09-36-O	90028	NAVAJO ALLOTTED GAS COM B#1A	08-16-94	40	LF #2: Q5
28-09-36-O	71801	ADA CANDELARIO WELL #1	08-16-94	50	LF #2: Q5
27-09-12-B	70804	CHARLEY PAH WELL #2	08-17-94	90	LF #2: Q5
27-09-01-G	97282	NEAL VICTORIA #2	08-17-94	30	LF #2: Q5
27-09-12-F	70629	CHARLEY PAH #1	08-17-94	60	LF #2: Q5, R5
27-09-12-K	71531	CHARLEY PAH #4	08-17-94	30	LF #2: R5
27-09-11-J	71399	NELLIE PLATERO WELL #4	08-17-94	50	LF #2: R5
27-09-10-P	71402	NELLIE PLATERO WELL #2	08-18-94	50	LF #2: R5
27-09-11-L	93127	NELLIE PLATERO WELL #6	08-18-94	70	LF #2: R5
27-09-10-P	02411	JENNY BUNNY ETAL WELL#1	08-18-94	80	LF #2: R5, R6
27-09-11-K	92803	NELLIE PLATERO #3	08-18-94	20	LF #2: R5
27-09-15-C	71405	MARSHALL A #4	08-18-94	60	LF #2: R6
27-09-10-L	71391	NELLIE PLATERO WELL #1	08-18-94	60	LF #2: R6
27-09-14-N	70492	GR GENTLE WELL #1	08-19-94	60	LF #2: R6
27-09-17-A	N/A	LAT C-45 LINE DRIP	08-19-94	40	LF #2: R6
27-09-13-F	N/A	LATERAL C-13	08-19-94	50	LF #2: N6
27-09-14-O	89039	MARSHALL B #1J	08-19-94	30	LF #2: N6
27-09-13-E	97153	JOHN CHARLES WELL #2	08-22-94	20	LF #2: N6
29-08-33-F	90449	HUGHES C #6A	08-22-94	120	LF #2: N6
27-09-14-I	71990	MARSHAL B#1	08-22-94	20	LF #2: N6
27-09-21-B	71106	CLEVELAND #6	08-22-94	20	LF #2: N6
27-09-21-C	71104	CLEVELAND #3	08-22-94	10	LF #2: N6
		TOTAL YARDAGE THIS PAGE:		3860	

400

ENVIROTECH SOIL REMEDIATION FACILITY
HILLTOP, NEW MEXICO
EPNG (04047) TRACKING LOG 8/94

AUGUST 1994
LANDFARM #2

COORDINATES T-R-S-L	METER # (s)	PIT NAME	CLOSURE DATE	QUANTITY CUBIC YARDS	DESTINATION (LANDFARM : CELL)
27-09-20-P	92749	CLEVELAND #2	08-23-94	40	LF #2: N7
25-08-09-P	95284	JALAPENO #1	08-23-94	90	LF #2: N7
26-07-10-N	70380	JENKINS #4	08-24-94	30	LF #2: N8
26-07-09-P	93298/93299	CANDADO #23A (CH/MV)	08-24-94	200	LF #2: N8, O6
25-06-04-E	N/A	K-27 LINE DRIP	08-24-94	50	LF #2: N8, O6
25-06-04-E	N/A	K-27 LINE DRIP	08-25-94	40	LF #2: O6
24-07-10-A	74796	CANYON LARGO U #60	08-25-94	50	LF #2: O6
25-06-16-N	N/A	K-31 LINE DRIP	08-25-94	10	LF #2: O6, P6
25-06-34-K	94180	SALAZAR G 34-1	08-26-94	180	LF #2: P6, P7
25-06-21-J	03913	CANYON LARGO U COM #314	08-26-94	60	LF #2: P6
25-06-34-K	94180	SALAZAR G 34-1	08-29-94	30	LF #2: P7
24-06-03-F	94198	CANYON LARGO U #311	08-29-94	50	LF #2: P7, O7
24-06-03-A	93590	CANYON LARGO U #298	08-29-94	70	LF #2: P7
24-06-03-J	93793	CANYON LARGO U #302	08-29-94	180	LF #2: P7, O7, Q7
24-06-03-J	93793	CANYON LARGO U #302	08-30-94	40	LF #2: Q7
25-06-28-A	94345	CANYON LARGO U #313	08-30-94	70	LF #2: Q6, Q7
24-06-14-A	74289	CUTLER #2	08-30-94	120	LF #2: Q6, Q7
24-06-13-K	N/A	2C-22 #2 LINE DRIP	08-30-94	50	LF #2: Q6
24-06-11-C	93788	CANYON LARGO U #304	08-30-94	50	LF #2: Q6
24-06-11-C	93788	CANYON LARGO U #304	08-31-94	120	LF #2: O7, Q7
24-06-24-I	87640	CANADA MESA #2	08-31-94	90	LF #2: O7, Q7
	N/A	LAT 2C-22 #3 LINE DRIP (9/94 completion)	08-31-94	60	LF #2: Q7

TOTAL YARDAGE THIS PAGE: 1680
TOTAL YARDAGE THIS MONTH: 5540

RECEIVED SEP 14 1994

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: A list of pit closure sites is attached. August 1994.

Source: Various dehydrator and drip pits in the State of New Mexico.

Disposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for the El Paso Natural Gas Company concur with the status of the waste from the subject site.

Name Sandra D. Miller

Title/Agency SR. Environmental Scientist
El Paso Natural Gas Company

Address P.O. Box 4990
Farmington, NM 87499

Signature Sandra D Miller

Date 9/13/94

	TER	METER2	LOCATION	S_T_R_L
08/01/94	71615		Marron #31	2-27-08-L
08/01/94	70469		Bolack C LS #1	28-27-08-A
08/01/94	70597		Brookhaven Com D #5	36-27-08-E
08/02/94	70470		Florance D LS #1	21-27-08-I
08/02/94	N/A		D-5 Line Drip	16-27-08-H
08/02/94	71033		Schultz #1.	16-27-08-G
08/02/94	72405		Hammond #7.	26-27-08-G
08/02/94	87061		Marron WN Fed #7	22-27-08-G
08/02/94	71162		Schultz Com #4	16-27-08-O
08/02/94	71035		Schultz #3	16-27-08-M
08/03/94	72049		Bolack B #3 PC	33-28-08-N
08/03/94	93552	93553	Dawson A #1M MV/PC	04-27-08-D
08/03/94	87023		Graham WN Fed #7	04-27-08-F
08/04/94	93947		Schwerdtfeger A #6E	08-27-08-D
08/04/94	93126		John Charles #8	13-27-09-B
08/04/94	70625		Filan #1	05-27-08-H
08/04/94	70624		Day #1B	07-27-08-A
08/05/94	74218		Naw-Di-Des-Wood #1	30-26-08-F
08/05/94	74234		Bud-Dos-Pah #1	19-26-08-M
08/05/94	75641		Tibbar Fed #4	25-26-09-H
08/05/94	74614		Williams #1	07-26-08-F
08/05/94	93509		Price #2	13-28-08-C
08/08/94	74410		McConnel #6	25-26-09-A
08/08/94	75605		Tibbar Fed #2	13-26-09-P
08/08/94	75639		Babbitt #1	24-26-09-J
08/08/94	74439		De-Na-Haz-Za #1	18-26-08-D
08/09/94	75605		Tibbar Fed #2	13-26-09-P
08/09/94	75052		Navajo Indian #6 MV	06-26-08-E
08/09/94	73924		Navajo Indian #6 DK	06-26-08-E
08/09/94	74440		Ge-Ele-Gu-Lith-E #1	07-26-08-M
08/09/94	75516		Ge-Ele-Gu-Lith-E #2	07-26-08-L
08/10/94	N/A		C-17 Line Drip	15-26-09-H
08/11/94	N/A		Lat C-7 Line Drip Y-1	01-26-09-K
08/11/94	71358		Huerfanito #11-1	01-26-09-A
08/11/94	71097		Huerfanito #13-1	01-26-09-N
08/11/94	70884		Huerfanito #64	12-26-09-D
08/11/94	73913		Huerfanito #6	11-26-09-N
08/11/94	70779		Crandell #1	11-26-09-M
08/12/94	N/A		Lat C-22 Line Drip	15-26-09-E
08/12/94	70768		Ballard #1	10-26-09-M
08/15/94	71093		Huerfanito #17-2	02-26-09-N
08/15/94	14030		Huerfanito #24-4	04-26-09-K
08/15/94	70791		Ballard #9	15-26-09-O
08/15/94	14031		Huerfanito #25-4	04-26-09-P
08/16/94	90028		Navajo Allotted GC B #1A	36-28-09-O
08/16/94	71801		ADA Candelario Well #1	36-28-09-O
08/17/94	70804		Charley Pah Well #2	12-27-09-B
08/17/94	71531		Charley Pah #4	12-27-09-K
08/17/94	97282		Neal Victoria #2	01-27-09-G
08/17/94	70629		Charley Pah #1	12-27-09-F
08/17/94	71399		Nellie Patero Well #4	11-27-09-J
08/17/94	93127		Nellie Patero Well #6	11-27-09-L
08/18/94	71391		Nellie Patero Well #1	10-27-09-L
08/18/94	71402		Nellie Patero Well #2	10-27-09-P
08/18/94	02411		Jennie Bunny ETAL Well #1	10-27-09-P
08/18/94	71405		Marshall A #4	15-27-09-C
08/18/94	92803		Nellie Patero #3	11-27-09-K
08/19/94	N/A		Lat C-45 Line Drip	17-27-09-A
08/19/94	N/A		Lateral C-13	13-27-09-F

CLOSED	METER	METER2	LOCATION	S_T_R_L
08/19/94	70492		G R Gentle Well #1	14-27-09-N
08/19/94	89039		Marshall B #1J	14-27-09-O
08/22/94	97153		John Charles Well #2	13-27-09-E
08/22/94	71990		Marshall B #1	14-27-09-I
08/22/94	71106		Cleveland #6	21-27-09-B
08/22/94	90449		Hughes C #6A	33-29-08-F
08/22/94	71104		Cleveland #3	21-27-09-C
08/23/94	92749		Cleveland #2	20-27-09-P
08/23/94	95284		Jalapeno #1	09-25-08-P
08/24/94	70380		Jenkins #4	10-26-07-N
08/24/94	93298	93299	Candado #23A (CH/MV)	09-26-07-P
08/25/94	74796		Canyon Largo U #60	10-24-07-A
08/25/94	N/A		K-27 Line Drip	04-25-06-e
08/25/94	N/A		K-31 Line Drip	16-25-06-N
08/26/94	03913		Canyon Largo U Com #314	21-25-06-J
08/29/94	94180		Salazar G 34-1	34-25-06-K
08/29/94	94198		Canyon Largo U #311	03-24-06-F
08/29/94	93590		Canyon Largo U #298	03-24-06-A
08/30/94	94345		Canyon Largo U #313	28-25-06-A
08/30/94	93793		Canyon Largo U #302	03-24-06-J
08/30/94	74289		Cutler #2	14-24-06-A
08/30/94	N/A		2C-22 #2 Line Drip	13-24-06-K
08/31/94	87640		Canada Mesa #2	24-24-06-I
08/31/94	93788		Canyon Largo U #304	11-24-06-C

92197

REQUEST FOR APPRC	TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒ (Submitting this form for oilfield exempt waste is optional)		4. Generator Meridian
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility		5. Name of Originating Site Val Verde Plant
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401		6. Name of Transporter Envirotech
7. Location of Material (Street Address or ULSTR) A-14-T29N-R11W, NMPM		8. State New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☒ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 9/94

BRIEF DESCRIPTION OF THE MATERIAL:

Thermalane Heat transfer OIL and Concrete Rinse (Contaminated Soil)

RECEIVED
SEP 21 1994
OIL CON. DIV.
DIST. 3

9/23/94 and 9/26/94

Estimated Volume 50 yd³ Known Volume (to be entered by the operator at the end of the haul): 67 yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 9/9/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Jerry E. Fant TITLE Geologist DATE 9/14/94

APPROVED BY [signature] TITLE GEOLOGIST DATE 9/19/94

CONDITIONS OF APPROVAL, IF ANY:

92197

REQUEST FOR APPRC . TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXXX

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

2. Destination
Land Farm # 2 Envirotech Soil Remediation Facility

3. Address of Facility Operator
5796 US Hwy. 64-3014 Farmington, New Mexico 87401

4. Generator
Meridian

5. Name of Originating Site
Val Verde Plant

6. Name of Transporter
Envirotech

7. Location of Material (Street Address or ULSTR)
A-14-T29N-R11W, NMPM

8. State
New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☒ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 9/94

BRIEF DESCRIPTION OF THE MATERIAL:

Thermalane Heat transfer OIL and Concrete Rinse (Contaminated Soil)

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

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 9/9/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 9/14/94

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

RECEIVED SEP 8 1994

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CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: val verde Plant

Source: Thermalene Heat transfer oil & concrete rinse

Disposal Location: Envirotech Soil Remediation Facility. (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Meridian Oil Inc. concur with the status of the waste from the subject site.

Name Craig A. Beck
Title/Agency Asst. Environmental Representative
Address P.O. Box 4289, Farmington New Mexico 87499-4289
Signature C. A. Beck
Date 9/7/94

Inter-Mountain Laboratories, Inc.

92147

1160 Research Drive
Bozeman, Montana 59715

TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TENTATIVELY IDENTIFIED COMPOUNDS

Client:	MERIDIAN		
Sample ID:	5-point comp	Date Reported:	08/02/94
Laboratory ID:	B945970	Date Sampled:	06/22/94
Sample Matrix:	Soil	Date Analyzed:	07/08/94

Tentative Identification	Retention Time (min)	Concentration	Units

No additional compounds found at reportable levels.

Unknown concentrations calculated assuming a Relative Response Factor = 1.

QUALITY CONTROL:

Surrogate Recovery	%
1,2-Dichloroethane-d4	106
Toluene-d8	102
Bromofluorobenzene	99

References:

Method 8240, Gas Chromatography/Mass Spectrometry for Volatile Organics, Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, Third Edition, November 1986.

Toxicity Characteristic Leaching Procedure, Final Rule, Federal Register, 40 CFR 261-302, Part V, Environmental Protection Agency, Vol. 55, No. 126, June 29, 1990.

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TOXICITY CHARACTERISTIC LEACHING PROCEDURE - TCLP
HSL VOLATILE COMPOUNDS

Client:	**MERIDIAN**			
Sample ID:	5-point comp		Date Reported:	08/02/94
Project ID:	Val Verde Plant		Date Sampled:	06/22/94
Laboratory ID:	B945970	G00810	Date Received:	06/23/94
Sample Matrix:	Soil		Date Extracted TCLP:	07/07/94
Preservation:	Cool		Date Analyzed:	07/08/94
Condition:	Intact		Date Extracted VOA:	NA

Parameter	Analytical Result (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
1,1-Dichloroethene	ND	0.02	0.7
1,2-Dichloroethane	ND	0.02	0.5
2-Butanone	ND	0.1	200
Benzene	ND	0.02	0.5
Carbon Tetrachloride	ND	0.02	0.5
Chlorobenzene	ND	0.02	100
Chloroform	ND	0.02	6
Tetrachloroethene (PCE)	ND	0.02	0.7
Trichloroethene (TCE)	ND	0.02	0.5
Vinyl Chloride	ND	0.02	0.2

ND - Compound not detected at stated Detection Limit.
J - Meets identification criteria, below Detection Limit.
B - Compound detected in Method Blank.

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TOXICITY CHARACTERISTIC LEACHING PROCEDURE - TCLP
HSL SEMI-VOLATILE COMPOUNDS

Client:	MERIDIAN			
Sample ID:	5-point comp		Date Reported:	07/27/94
Project ID:	Val Verde Plant		Date Sampled:	06/22/94
Laboratory ID:	8945970	G00810	Date Received:	06/23/94
Sample Matrix:	Soil		Date Extracted-TCLP:	07/09/94
Preservation:	Cool		Date Analyzed:	07/20/94
Condition:	Intact		Date Extracted-BNA:	07/11/94

Parameter	Analytical Result (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
1,4-Dichlorobenzene	ND	0.01	7.5
Hexachloroethane	ND	0.02	3
Nitrobenzene	ND	0.01	2
Hexachloro-1,3-butadiene	ND	0.02	0.5
2,4,6-Trichlorophenol	ND	0.01	2
2,4,5-Trichlorophenol	ND	0.01	400
2,4-Dinitrotoluene	ND	0.01	0.13
Hexachlorobenzene	ND	0.01	0.13
Pentachlorophenol	ND	0.02	100
o-Cresol	ND	0.01	200 **
m & p-Cresol *	ND	0.01	200 **
Pyridine	ND	0.01	5

ND - Compound not detected at stated Detection Limit
B - Compound detected in Method Blank.
* - Compounds coelute by GCMS.
** - Regulatory Limit of combined Cresols.

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TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TENTATIVELY IDENTIFIED COMPOUNDS

Client:	MERIDIAN		
Sample ID:	5-point comp	Date Reported:	07/27/94
Laboratory ID:	B945970	Date Sampled:	06/22/94
Sample Matrix:	Soil	Date Analyzed:	07/20/94

Parameter	Retention Time(min.)	Concentration	Units
Unknown hydrocarbon	9.70	0.06	mg/L
Unknown organic acid	11.72	0.03	mg/L
Unknown ketone	12.01	0.3	mg/L
Unknown alcohol	14.47	0.1	mg/L
Unknown chlorinated hydrocarbon	25.07	0.1	mg/L

Unknown concentrations calculated assuming Relative Response Factor = 1.

QUALITY CONTROL:

Surrogate Recoveries	%
2-Fluorophenol	68
Phenol-d6	62
Nitrobenzene-d5	80
2-Fluorobiphenyl	87
2,4,6-Tribromophenol	114
Terphenyl-d14	66

References:
Method 8270, Gas Chromatography/Mass Spectrometry for Semi-Volatile Organics, Test Methods for Evaluating Solid Wastes, United States Environmental Protection Agency, December 1987.

Toxicity Characteristic Leaching Procedure, Final Rule, Federal Register, 40 CFR 261-302, Part V, Environmental Protection Agency, Vol. 55, No. 126, June 29, 1990.

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TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL CONCENTRATION

Client:	MERIDIAN		
Sample ID:	5- point comp.	Date Reported:	07/21/94
Project ID:	Val Verde Plant	Date Sampled:	06/22/94
Laboratory ID:	B945970	Date Received:	06/23/94
Sample Matrix:	Soil	Date Extracted:	07/13/94
Preservation:	Cool	Date Analyzed:	07/20/94
Condition:	Intact		

Parameter	Sample Result	PQL	Regulatory Level	Units
Arsenic	ND	0.2	5.0	mg/L
Barium	ND	5	100.0	mg/L
Cadmium	ND	0.05	1.0	mg/L
Chromium	ND	0.05	5.0	mg/L
Lead	ND	0.2	5.0	mg/L
Mercury	ND	0.02	0.2	mg/L
Selenium	ND	0.2	1.0	mg/L
Silver	ND	0.05	1.0	mg/L

ND-Parameter not detected at stated Practical Quantitation limit (PQL).

Reference: Toxicity Characteristic Leaching Procedure , Final Rule, Federal Register, 40 CFR 261-302. Part V, EPA Vol 55, No. 126, June 29, 1990

Method 3010: Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, September, 1986.

Method 6010: Inductively Coupled Plasma-Atomic Emission Spectroscopy, SW-846, September, 1990.

Method 7000: Atomic Absorption Spectroscopy SW-846, September 1986.

Method 7470: Mercury in Liquid Waste (Manual Cold-Vapor Technique), SW-846, September 1986.

Analyst _____ Reviewed _____

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QUALITY ASSURANCE / QUALITY CONTROL

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Bozeman, Montana 59715

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LAB QA/QC
VOLATILE COMPOUNDS BY GC/MS
METHOD BLANK

Date Analyzed: 07/08/94
Laboratory ID: 3MB-189A
Sample Matrix: Water

Parameter	Analytical Result	Detection Limit	Units
Chloromethane	ND	5	ug/L
Bromomethane	ND	5	ug/L
Vinyl Chloride	ND	5	ug/L
Chloroethane	ND	5	ug/L
Methylene Chloride	ND	20	ug/L
Acetone	ND	20	ug/L
Carbon Disulfide	ND	5	ug/L
1,1-Dichloroethene	ND	5	ug/L
1,1-Dichloroethane	ND	5	ug/L
1,2-Dichloroethene	ND	5	ug/L
Chloroform	ND	5	ug/L
1,2-Dichloroethane	ND	5	ug/L
2-Butanone	ND	20	ug/L
1,1,1-Trichloroethane	ND	5	ug/L
Cyclohexane	ND	5	ug/L
Carbon Tetrachloride	ND	5	ug/L
Bromodichloromethane	ND	5	ug/L
1,2-Dichloropropane	ND	5	ug/L
1,4-Dioxane	ND	500	ug/L
cis-1,3-Dichloropropene	ND	5	ug/L
Trichloroethene	ND	5	ug/L
Dibromochloromethane	ND	5	ug/L
1,1,2-Trichloroethane	ND	5	ug/L
Benzene	ND	5	ug/L
trans-1,3-Dichloropropene	ND	5	ug/L
1,2-Dibromoethane	ND	5	ug/L
Bromoform	ND	5	ug/L
4-Methyl-2-pentanone	ND	5	ug/L
2-Hexanone	ND	5	ug/L
Tetrachloroethene	ND	5	ug/L
1,1,2,2-Tetrachloroethane	ND	5	ug/L

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VOLATILE COMPOUNDS BY GC/MS

Date Analyzed: 07/08/94
Laboratory ID: 3MB-189A
Sample Matrix: Water

Parameter	Analytical Result	Detection Limit	Units
Toluene	ND	5	ug/L
Chlorobenzene	ND	5	ug/L
Ethylbenzene	ND	5	ug/L
Styrene	ND	5	ug/L
m,p-Xylene	ND	5	ug/L
o-Xylene	ND	5	ug/L

ND - Compound not detected at stated Detection Limit.
J - Meets identification criteria, below Detection Limit.
B - Compound detected in method blank.

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TENTATIVELY IDENTIFIED COMPOUNDS
METHOD BLANK ANALYSIS

Date Analyzed: 07/08/94
Laboratory ID: 3MB-189A
Sample Matrix: Water

Tentative Identification	Retention Time (min)	Concentration	Units

No additional compounds found at reportable levels.

Unknown concentrations calculated assuming a Relative Response Factor = 1.

QUALITY CONTROL:

Surrogate Recovery	%	Water QC Limits
1,2-Dichloroethane-d4	106	76 - 114
Toluene-d8	100	88 - 110
Bromofluorobenzene	99	86 - 115

References:

Method 8240, Gas Chromatography/Mass Spectrometry for Volatile Organics, Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, Third Edition, November 1986.

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LAB QA/QC
VOLATILE COMPOUNDS BY GC/MS
TCLP BLANK

Date Analyzed: **06/21/94**
Laboratory ID: 3TB-172
Sample Matrix: Extraction fluid
Date Extracted: 06/16/94

Parameter	Analytical Result	Detection Limit	Units
1,1-Dichloroethene	ND	0.005	mg/L
1,2-Dichloroethane	ND	0.005	mg/L
2-Butanone	ND	0.02	mg/L
Benzene	ND	0.005	mg/L
Carbon Tetrachloride	ND	0.005	mg/L
Chlorobenzene	ND	0.005	mg/L
Chloroform	ND	0.005	mg/L
Tetrachloroethene	ND	0.005	mg/L
Trichloroethene	ND	0.005	mg/L
Vinyl Chloride	ND	0.005	mg/L

ND - Compound not detected at stated Detection Limit.
J - Meets identification criteria, below Detection Limit.
B - Compound detected in method blank.

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TENTATIVELY IDENTIFIED COMPOUNDS

Date Analyzed: **06/21/94**
Laboratory ID: 3TB-172
Sample Matrix: Extraction fluid
Date Extracted: 06/16/94

Tentative Identification	Retention Time (min)	Concentration	Units

No additional compounds found at reportable levels.

Unknown concentrations calculated assuming a Relative Response Factor = 1.

QUALITY CONTROL:

Surrogate Recovery	%
1,2-Dichloroethane-d4	99
Toluene-d8	101
Bromofluorobenzene	97

References:

Method 8240, Gas Chromatography/Mass Spectrometry for Volatile Organics, Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, Third Edition, November 1986.

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LAB QA/QC
PURGEABLE ORGANIC COMPOUNDS BY GC/MS - TCLP
MATRIX SPIKE SUMMARY

Date Analyzed: 07/08/94
Laboratory ID: 3TMS5970
Sample Matrix: Water
Date Extracted: 7/7/94

Parameter	Spike Added mg/L	Sample Concentration mg/L	Matrix Spike Concentration mg/L	Matrix Spike Recovery (%)
Vinyl Chloride	0.1	0	0.090	90
1,1-Dichloroethene	0.1	0	0.090	90
1,2-Dichloroethane	0.1	0	0.091	91
Chloroform	0.1	0	0.091	91
Carbon Tetrachloride	0.1	0	0.092	92
Trichloroethene	0.1	0	0.092	92
Benzene	0.1	0	0.093	93
Tetrachloroethene	0.1	0	0.099	99
Chlorobenzene	0.1	0	0.10	100
Methyl Ethyl Ketone	0.1	0	0.049	49

QUALITY CONTROL:

Surrogate Recovery	%
1,2-Dichloroethane-d4	97
Toluene-d8	104
Bromofluorobenzene	97

References:

Method 8240, Gas Chromatography/Mass Spectrometry for Volatile Organics, Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, Third Edition, November 1986.

Toxicity Characteristic Leaching Procedure, Final Rule, Federal Register, 40 CFR 261-302, Part V, Environmental Protection Agency, Vol. 55, No. 126, June 29, 1990.

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LAB QA/QC
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS
METHOD BLANK

Date Analyzed: 07/19/94
Laboratory ID: MB-192
Sample Matrix: Water
Date Extracted: 07/11/94

Parameter	Analytical Result	Detection Limit	Units
1,2,4-Trichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1-Methylnaphthalene	ND	10	ug/L
2,4,5-Trichlorophenol	ND	10	ug/L
2,4,6-Trichlorophenol	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
2,4-Dinitrophenol	ND	50	ug/L
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
2-Nitrophenol	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	20	ug/L
3-Methylphenol/4-Methylphenol *	ND	10	ug/L
3-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
4-Bromophenyl-phenylether	ND	10	ug/L
4-Chloro-3-methylphenol	ND	20	ug/L
4-Chloroaniline	ND	20	ug/L
4-Chlorophenyl-phenylether	ND	10	ug/L
4-Nitroaniline	ND	20	ug/L
4-Nitrophenol	ND	50	ug/L
6-Methyl chrysene	ND	10	ug/L
7,12-Dimethylbenz(a)anthracene	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Anthracene	ND	10	ug/L
Benzenethiol	ND	10	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L

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LAB QA/QC
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS
METHOD BLANK

Date Analyzed: 07/19/94
Laboratory ID: MB-192
Sample Matrix: Water
Date Extracted: 07/11/94

Parameter	Analytical Result	Detection Limit	Units
Benzo(g,h,i)perylene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzoic Acid	ND	50	ug/L
Benzyl Alcohol	ND	20	ug/L
bis(2-Chloroethoxy)methane	ND	10	ug/L
bis(2-Chloroethyl)ether	ND	10	ug/L
bis(2-Chloroisopropyl)ether	ND	10	ug/L
bis(2-Ethylhexyl)phthalate	ND	10	ug/L
Butylbenzylphthalate	ND	10	ug/L
Chrysene	ND	10	ug/L
di-n-Butylphthalate	ND	10	ug/L
di-n-Octylphthalate	ND	10	ug/L
Dibenz(a,h)acridine	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Dibenzofuran	ND	10	ug/L
Diethylphthalate	ND	10	ug/L
Dimethylphthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	20	ug/L
Hexachlorocyclopentadiene	ND	10	ug/L
Hexachloroethane	ND	20	ug/L
Indene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
Naphthalene	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
Pyrene	ND	10	ug/L
Pyridine	ND	10	ug/L
Quinoline	ND	10	ug/L

ND - Compound not detected at stated Detection Limits.
* - Compounds Coelute by GC/MS.

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LAB QA/QC
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS
METHOD BLANK
TENTATIVELY IDENTIFIED COMPOUNDS

Date Analyzed: 07/19/94
Laboratory ID: MB-192
Sample Matrix: Water
Date Extracted: 07/11/94

Tentitively Identification	Retention Time (min.)	Concentration	Units

No additional compounds found at reportable levels.

Unknown concentration calculated assuming Relative Response Factor = 1.

QUALITY CONTROL:

Surrogate Recoveries	%	Water QC Limits
2-Fluorophenol	55	21 - 100
Phenol-d6	60	10 - 94
Nitrobenzene-d5	73	35 - 114
2-Fluorobiphenyl	65	43 - 116
2,4,6-Tribromophenol	69	10 - 123
Terphenyl-d14	52	33 - 141

Reference:

Method 8270, Gas Chromatography/Mass Spectrometry for Semivolatile Organics, Test Methods for Evaluating Solid Wastes, SW846, USEPA, Third Edition, November 1986.

USEPA Contract Lab Program, Statement of Work for Organic Analysis, Multi-Media, Multi-Concentration, OLM01.0, December 1990.

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LAB QA/QC
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS
METHOD BLANK

Date Analyzed: 07/20/94
Laboratory ID: TMB94-24
Sample Matrix: Water
Date Extracted: 07/11/94

Parameter	Analytical Result (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
1,4-Dichlorobenzene	ND	0.01	7.5
Hexachloroethane	ND	0.02	3
Nitrobenzene	ND	0.01	2
Hexachloro-1,3-butadiene	ND	0.02	0.5
2,4,6-Trichlorophenol	ND	0.01	2
2,4,5-Trichlorophenol	ND	0.01	400
2,4-Dinitrotoluene	ND	0.01	0.13
Hexachlorobenzene	ND	0.01	0.13
Pentachlorophenol	ND	0.02	100
o-Cresol	ND	0.01	200 **
m & p-Cresol *	ND	0.01	200 **
Pyridine	ND	0.01	5

ND - Compound not detected at stated Detection Limit
B - Compound detected in Method Blank.
* - Compounds coelute by GCMS.
** - Regulatory Limit of combined Cresols.

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LAB QA/QC
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS
METHOD BLANK

Date Analyzed: 07/20/94
Laboratory ID: TMB94-24
Sample Matrix: Water
Date Extracted: 07/11/94

Parameter	Retention Time(min.)	Concentration	Units

No additional compounds found at reportable limits.

Unknown concentrations calculated assuming Relative Response Factor = 1.

QUALITY CONTROL:

Surrogate Recoveries	%
2-Fluorophenol	56
Phenol-d6	64
Nitrobenzene-d5	78
2-Fluorobiphenyl	83
2,4,6-Tribromophenol	102
Terphenyl-d14	73

References:

Method 8270, Gas Chromatography/Mass Spectrometry for Semi-Volatile Organics, Test Methods for Evaluating Solid Wastes, United States Environmental Protection Agency, December 1987.

Toxicity Characteristic Leaching Procedure, Final Rule, Federal Register, 40 CFR 261-302, Part V, Environmental Protection Agency, Vol. 55, No. 126, June 29, 1990.

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LAB QA/QC
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS
MATRIX SPIKE / MATRIX SPIKE DUPLICATE SUMMARY

Date Analyzed: 07/21/94
Laboratory ID: TBS-192
Sample Matrix: Water
Date Extracted: 07/11/94

Parameter	Spike Added (ug/L)	Sample Concentration (ug/L)	Matrix Spike Concentration (ug/L)	Matrix Spike Recovery (%)
1,4-Dichlorobenzene	100	0	64	64
Hexachloroethane	100	0	64	64
Nitrobenzene	100	0	85	85
Hexachlorobutadiene	100	0	68	68
2,4,6-Trichlorophenol	100	0	78	78
2,4,5-Trichlorophenol	100	0	80	80
2,4-Dinitrotoluene	100	0	103	103
Hexachlorobenzene	100	0	77	77
Pentachlorophenol	100	0	84	84
o-Cresol	100	0	78	78
m,p-Cresol	200	0	138	69
Pyridine	100	0	55	55

All values are total nanograms.

Reference:

Method 8270, Semivolatile Organics - GC/MS, Test Methods for Evaluating Solid Waste, United States Environmental Protection Agency, SW-846, Vol. IB, November 1986.

Toxicity Characteristic Leaching Procedure, Final Rule, Federal Register, 40 CFR 261-302, Part V, Environmental Protection Agency, Vol. 55, No. 126, June 29, 1990.

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92147

1160 Research Drive
Bozeman, Montana 59715

LAB QA/QC
TRACE METALS - TCLP
METHOD BLANK

Date Analyzed: 07/20/94
Laboratory ID: TMB 94-24
Sample Matrix: Extract

Parameter	Sample Result	PQL	Regulatory Level	Units
Arsenic	ND	0.2	5.0	mg/L
Barium	ND	5	100.0	mg/L
Cadmium	ND	0.05	1.0	mg/L
Chromium	ND	0.05	5.0	mg/L
Lead	ND	0.2	5.0	mg/L
Mercury	ND	0.02	0.2	mg/L
Selenium	ND	0.2	1.0	mg/L
Silver	ND	0.05	1.0	mg/L

ND-Parameter not detected at stated Practical Quantitation limit (PQL).

Reference: Toxicity Characteristic Leaching Procedure , Final Rule, Federal Register, 40 CFR 261-302. Part V, EPA Vol 55, No. 126, June 29, 1990

Method 3010: Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, September, 1986.

Method 6010: Inductively Coupled Plasma-Atomic Emission Spectroscopy, SW-846, September, 1990.

Method 7000: Atomic Absorption Spectroscopy SW-846, September 1986.

Method 7470: Mercury in Liquid Waste (Manual Cold-Vapor Technique), SW-846, September 1986.

Analyst _____ Reviewed _____

Inter·Mountain Laboratories, Inc
1160 Research Drive
Bozeman, Montana 59715

92197

LAB QA/QC
TRACE METALS - TCLP
MATRIX SPIKE

Date Analyzed: 07/20/94
Laboratory ID: B946409
Sample Matrix: Soil

Parameter	Spike Added	Sample Result	Spiked Result	MS % Recovery	PQL	Units
Arsenic	2.5	ND	2.5	100	0.2	mg/L
Barium	5.0	ND	4.5	89	5	mg/L
Cadmium	0.5	0.14	0.6	94	0.05	mg/L
Chromium	2.0	ND	1.9	97	0.05	mg/L
Lead	2.0	0.91	2.8	97	0.2	mg/L
Mercury	0.2	ND	0.2	96	0.02	mg/L
Selenium	2.5	ND	2.5	99	0.2	mg/L
Silver	0.05	ND	0.04	80	0.05	mg/L

ND-Parameter not detected at stated Practical Quantitation limit (PQL).

Reference: Toxicity Characteristic Leaching Procedure , Final Rule, Federal Register, 40 CFR 261-302. Part V, EPA Vol 55, No. 126, June 29, 1990

Method 3010: Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, September, 1986.

Method 6010: Inductively Coupled Plasma-Atomic Emission Spectroscopy, SW-846, September, 1990.

Method 7000: Atomic Absorption Spectroscopy SW-846, September 1986.

Method 7470: Mercury in Liquid Waste (Manual Cold-Vapor Technique), SW-846, September 1986.

Analyst _____ Reviewed _____

Inter-Mountain Laboratories, Inc
1160 Research Drive
Bozeman, Montana 59715

9 2197

LAB QA/QC
TRACE METALS - TCLP
DUPLICATE SUMMARY

Date Analyzed: 07/20/94
Laboratory ID: B946409
Sample Matrix: Soil

Parameter	Sample Result	Duplicate Sample Result	RPD %	PQL	Units
Arsenic	ND	ND		0.2	mg/L
Barium	ND	ND		5	mg/L
Cadmium	0.14	0.14		0.05	mg/L
Chromium	ND	ND		0.05	mg/L
Lead	0.91	0.91		0.2	mg/L
Mercury	ND	ND		0.02	mg/L
Selenium	ND	ND		0.2	mg/L
Silver	ND	ND		0.05	mg/L

ND-Parameter not detected at stated Practical Quantitation limit (PQL).

Reference: Toxicity Characteristic Leaching Procedure , Final Rule, Federal Register, 40 CFR 261-302. Part V, EPA Vol 55, No. 126, June 29, 1990

Method 3010: Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, September, 1986.

Method 6010: Inductively Coupled Plasma-Atomic Emission Spectroscopy, SW-846, September, 1990.

Method 7000: Atomic Absorption Spectroscopy SW-846, September 1986.

Method 7470: Mercury in Liquid Waste (Manual Cold-Vapor Technique), SW-846, September 1986.

Analyst _____ Reviewed _____

92197

imi Inter-Mountain Laboratories, Inc.

ENVIROTECH - R. YOUNG

CHAIN OF CUSTODY RECORD

My Copy

Client/Project Name	Project Location	ANALYSES / PARAMETERS
Meridian	Val Verde Plant 92197	
Sampler: (Signature)	**Chain of Custody Tape No.**	
Robert M Young		

Sample No./ Identification	Date	Time	Lab Number	Matrix	No. of Containers	TCLP w/o Pesticide Herb				Remarks
5-POINT COMPOSITE	6/22/94	0930		SOIL/ROCK	1	✓				Concrete, Thermalube, Amine

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Robert M Young	6/22/94	1030	Austin Watson	6/22	10:30
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by laboratory: (Signature)	Date	Time

Inter-Mountain Laboratories, Inc.

17870

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

☐ 1714 Phillips Circle, Gillette, Wyoming 82716, Telephone (307) 682-8945

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

☐ 1160 Research Dr., Bozeman, Montana 59715, Telephone (406) 586-8450

☐ 11183 SH 30, College Station, TX 77845, Telephone (409) 776-8945

☐ 3304 Longmire Drive, College Station, TX 77845, Telephone (409) 774-4999

92101

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒ (Submitting this form for oilfield exempt waste is optional)	4. Generator Western Co. of N. America
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site Western Co.
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Envirotech
7. Location of Material (Street Address or ULSTR) 3250 South Side River Road, Farmington, NM 87401	8. State NM

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

Projected Dates(s) for Transportation: 9/94

BRIEF DESCRIPTION OF THE MATERIAL:

Continuation of Floor Sweep from Shop and yard spills.

TCLP Previously Submitted on 4/19/94 (Sampled on 3/18/94)

RECEIVED
SEP 20 1994
OIL CON. DIV.
DIST. 3

RECEIVED
SEP 16 1994
OIL CON. DIV.
DIST. 3

Estimated Volume 3 dry bbl (.75 cubic yards) yd³ Known Volume (to be entered by the operator at the end of the haul): .75 yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 9/10/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 9/16/94

APPROVED BY [illegible] TITLE Geologist DATE 9/19/94

CONDITIONS OF APPROVAL, IF ANY:

SF 9/16/94

92101

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒ (Submitting this form for oilfield exempt waste is optional)	4. Generator Western Co. of N. America
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site Western Co.
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Envirotech
7. Location of Material (Street Address or ULSTR) 3250 South Side River Road, Farmington, NM 87401	8. State NM

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☒ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 9/94

BRIEF DESCRIPTION OF THE MATERIAL:

Continuation of Floor Sweep from Shop and yard spills.

TCLP Previously Submitted on 4/19/94 (Sampled on 3/18/94)

RECEIVED
SEP 15 1994
OIL CON. DIV.
DIST. 3

Estimated Volume 3 dry bbl (.75 cubic yards) yd³ Known Volume (to be entered by the operator at the end of the haul): _____ yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 9/10/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Santa Fe 9/16/94

92101

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: Western Co. of N. America (3250 South Side River Road, Farmington,

Source: Used Floor-Sweep Compound

Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Western Co. of N. America concur with the status of the waste from the subject site.

Name Les Baugh
Title/Agency Facilities Supervisor
Address 3250 South Side River Road
FARMINGTON, NEW MEXICO 87401

Signature _____

Date _____

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

RECEIVED
SEP 15 1994
OIL CON. DIV.
DIST. 3

RCRA CHARACTERISTICS

Client:	Western Company	Project #:	92101
Sample ID:	Floor Sweep	Date Reported:	03-21-94
Lab ID#:	7073	Date Sampled:	03-18-94
Sample Matrix:	Soil	Date Received:	03-18-94
Preservative:	Cool	Date Analyzed:	03-21-94
Condition:	Cool & Intact		

IGNITABILITY: Did not ignite upon direct contact with flame after heating to 60°c.

CORROSIVITY: pH of 7.12

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

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: $\leq$ pH 2 or $\geq$ pH 12.5 is hazardous waste.

5 - point Composite

Analyst

Reviewed

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	Western Company	Project #:	92101
Sample ID:	Floor Sweep	Date Reported:	03-22-94
Laboratory Number:	7073	Date Sampled:	03-18-94
Sample Matrix:	Soil	Date Received:	03-18-94
Preservative:	Cool	Date Extracted:	03-21-94
Condition:	Cool and Intact	Date Analyzed:	03-22-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.006	0.2
1,1-Dichloroethene	ND	0.006	0.7
2-Butanone	0.055	0.007	200
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethane	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	99 %
Bromofluorobenzene	97 %

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments: 3250 Southside River Road 5-point composite

Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Western Company	Project #:	92101
Sample ID:	Floor Sweep	Date Reported:	03-28-94
Laboratory Number:	7073	Date Sampled:	03-18-94
Sample Matrix:	Soil	Date Received:	03-18-94
Preservative:	Cool	Date Analyzed:	03-23-94
Condition:	Cool & Intact	Date Extracted:	03-21-94
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	0.003	0.001	5.000
BARIUM	0.1	0.1	100.0
CADMIUM	0.001	0.001	1.000
CHROMIUM	0.006	0.001	5.000
LEAD	ND	0.001	5.000
MERCURY	ND	0.002	0.200
SELENIUM	ND	0.001	1.000
SILVER	ND	0.01	5.00

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

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

ND - Parameter not detected at the stated detection limit.

Comments: 3250 Southside River Rd 5-Point Composite

Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	Western Company	Project #:	92101
Sample ID:	Floor sweep	Date Reported:	04-03-94
Laboratory Number:	7073	Date Sampled:	03-18-94
Sample Matrix:	Soil	Date Received:	03-18-94
Preservative:	Cool	Date Extracted:	03-21-94
Condition:	Cool & Intact	Date Analyzed:	04-03-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.022	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	0.10	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	0.03	0.020	0.13

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments: 3250 Southside River Rd.
5 point composite

Tony Trujano
Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	Western Company	Project #:	92101
Sample ID:	Floor Sweep	Date Reported:	04-04-94
Laboratory Number:	7073	Date Sampled:	03-18-94
Sample Matrix:	Soil	Date Received:	03-18-94
Preservative:	Cool	Date Extracted:	03-21-94
Condition:	Cool & Intact	Date Analyzed:	04-03-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	3.0	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.025	100.0

SURROGATE RECOVERY	Parameter	Percent Recovery
	2-fluorophenol	117 %
	2,4,6-tribromophenol	114 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments: 3250 Southside River Rd.
5-point composite

Tony Tristan
Analyst

Review

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	03-22-94
Laboratory Number:	0322TCV.BLK	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	03-22-94

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.006	0.2
1,1-Dichloroethene	ND	0.007	0.7
2-Butanone	ND	0.006	200
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethane	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	97 %
Bromofluorobenzene	98 %

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	03-22-94
Laboratory Number:	0321TCV.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	03-21-94
Condition:	Cool and Intact	Date Analyzed:	03-22-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.006	0.2
1,1-Dichloroethene	ND	0.006	0.7
2-Butanone	ND	0.007	200
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethane	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	98 %
Bromofluorobenzene	99 %

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank

Analyst

Review

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

** QUALITY ASSURANCE EPA METHODS 8010/8020
MATRIX SPIKE - AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Spike	Date Reported:	03-22-94
Laboratory Number:	7071-S-TCV	Date Sampled:	03-18-94
Sample Matrix:	Soil	Date Received:	03-18-94
Analysis Requested:	TCLP	Date Analyzed:	03-22-94
Condition:	NA		

Parameter	Sample Result (ug/L)	Spike Added (ug/L)	Spiked Sample Result (ug/L)	Det. Limit (ug/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	10.0	12.0	6.4	99	28-163
1,1-Dichloroethene	ND	10.0	10.4	6.5	100	43-143
2-Butanone	49.1	10.0	58.0	5.7	98	47-132
Chloroform	ND	10.0	9.9	5.0	99	49-133
Carbon Tetrachloride	ND	10.0	9.2	5.0	92	43-143
Benzene	ND	10.0	9.4	5.1	94	39-150
1,2-Dichloroethane	ND	10.0	9.4	5.0	94	51-147
Trichloroethene	ND	10.0	9.6	5.0	96	35-146
Tetrachloroethene	ND	10.0	10.0	5.0	99	26-162
Chlorobenzene	ND	10.0	9.4	5.0	94	38-150
1,4-Dichlorobenzene	ND	10.0	9.8	5.0	98	42-143

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - BLANKS

Client:	NA	Project #:	NA
Sample ID:	Blanks	Date Reported:	03-28-94
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	03-23-94
Condition:	NA	Date Extracted:	NA

Parameter	Instrument Blank (mg/L)	Extraction Sol. Blank (mg/L)	Det. Limit (mg/L)
ARSENIC	ND	ND	0.001
BARIUM	ND	ND	0.1
CADMIUM	ND	ND	0.001
CHROMIUM	ND	ND	0.001
LEAD	ND	ND	0.001
MERCURY	ND	ND	0.002
SELENIUM	ND	ND	0.001
SILVER	ND	ND	0.01

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

QUALITY ASSURANCE REPORT
EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - MATRIX SPIKE

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	03-28-94
Laboratory Number:	NA	Date Sampled:	03-18-94
Sample Matrix:	TCLP Extract	Date Received:	03-18-94
Analysis Requested:	TCLP	Date Analyzed:	03-23-94
Condition:	NA	Date Extracted:	03-21-94

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
ARSENIC	0.100	0.007	0.106	99
BARIUM	10.0	3.18	13.1	99
CADMIUM	0.100	0.014	0.112	98
CHROMIUM	0.100	ND	0.101	101
LEAD	0.100	0.008	0.107	99
MERCURY	0.100	ND	0.098	98
SELENIUM	0.100	0.002	0.102	100
SILVER	1.00	ND	0.975	98

QA ACCEPTANCE CRITERIA:

Parameter	Acceptance Range %
TCLP Metals	80 - 120

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS
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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	04-03-94
Laboratory Number:	0402TBN.BLK	Date Sampled:	NA
Sample Matrix:	Hexane	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	04-02-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.022	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Tony Tristan
Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	N/A	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	04-03-94
Laboratory Number:	0316TBN.MB	Date Sampled:	N/A
Sample Matrix:	Sand	Date Received:	N/A
Preservative:	N/A	Date Extracted:	03-16-94
Condition:	N/A	Date Analyzed:	04-02-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.022	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Tony Tustano
Analyst

Review

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	04-04-94
Laboratory Number:	0403TCA.BLK	Date Sampled:	NA
Sample Matrix:	2-Propanol	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	04-03-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.025	100.0

SURROGATE RECOVERY

Parameter	Percent Recovery
2-fluorophenol	111 %
2,4,6-tribromophenol	112 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	04-04-94
Laboratory Number:	0316TCA.MB	Date Sampled:	NA
Sample Matrix:	Sand	Date Received:	NA
Preservative:	NA	Date Extracted:	03-16-94
Condition:	NA	Date Analyzed:	04-03-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.025	100.0

SURROGATE RECOVERY

Parameter	Percent Recovery
2-fluorophenol	98 %
2,4,6-tribromophenol	105 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Tony Tinsley
Analyst

Review

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location	92101 ANALYSIS/PARAMETERS
WESTERN COMPANY	3250 SOUTHSIDE RIVER RD	
Sampler: (Signature) Robert M Young	Chain of Custody Tape No.	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TCLP w/o Pest/Herb						Remarks
WASH BAY SOLIDS	3/18/94	1340	7072	SOIL	1	✓						5-POINT COMPOSITE
FLOOR SWEEP	3/18/94	1335	7073	SOIL	1	✓						5-POINT COMPOSITE

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Robert M Young	3/18/94	1455	Alexis L. Quenca	3-18-94	1435
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

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

92118

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒ (Submitting this form for oilfield exempt waste is optional)	4. Generator Halliburton Energy Services
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site Halliburton Energy Services Yard
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Envirotech
7. Location of Material (Street Address or ULSTR) 1125 US Hwy 550, Flora Vista, NM	8. State New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

Projected Dates(s) for Transportation: 9/94

BRIEF DESCRIPTION OF THE MATERIAL:

Continuation of Compressor Oil Contaminated Soils from various sites. Stockpiled at 1125 W. Hwy 550, Flora Vista, NM

TCLP on File; Sampled 3-15-94, Sent to OCD 5/10/94.

RECEIVED
SEP 20 1994
OIL CON. DIV.
DIST. 3

RECEIVED
SEP 15 1994
OIL CON. DIV.
DIST. 3

Estimated Volume 5 strubbl (1.25 yd³) yd³ Known Volume (to be entered by the operator at the end of the haul): 16 drums 4 yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 9/13/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 9/16/94

APPROVED BY [illegible] TITLE GEOLOGIST DATE 9/19/94

CONDITIONS OF APPROVAL, IF ANY:

F 9/16/94

92118

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒ (Submitting this form for oilfield exempt waste is optional)	4. Generator Halliburton Energy Services
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site Halliburton Energy Services Yard
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Envirotech
7. Location of Material (Street Address or ULSTR) 1125 US Hwy 550, FLORA VISTA, NM	8. State New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☒ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 9/94

BRIEF DESCRIPTION OF THE MATERIAL:

Continuation of Compressor Oil Contaminated Soils FROM VARIOUS SITES. Stockpiled at 1125 W. Hwy 550, Flora Vista, NM

TCLP on File; Sampled 3-15-94, Sent to OCD 5/10/94,

RECEIVED
SEP 15 1994
OIL CON. DIV.
DIST. 3

Estimated Volume 5 trybbl (1.25 yd³) yd³ Known Volume (to be entered by the operator at the end of the haul): _____ yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 9/13/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Santa Fe 9/16/94

92118

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: Halliburton Energy Services

Source: Compressor Dry Contaminated Soils - Barrels

Disposal Location: Envirotech Soil Remediation Facility, (NMED) Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Halliburton Energy Services concur with the status of the waste from the subject site.

Name _____

Title/Agency Field Service Rep

Address P.O. Box 280 Flora Vista NM 87415

Signature _____

Date 9-14-94

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	Halliburton Resource Mgmt.	Project #:	92118
Sample ID:	20 Barrel Comp	Date Reported:	03-18-94
Laboratory Number:	7059	Date Sampled:	03-15-94
Sample Matrix:	Soil	Date Received:	03-16-94
Preservative:	Cool	Date Extracted:	03-16-94
Condition:	Cool & Intact	Date Analyzed:	03-17-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
1,1-Dichloroethene	ND	0.005	0.7
2-Butanone	ND	0.005	200
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	96 %
Bromofluorobenzene	96 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments: 1125 Hwy 550, Aztec

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	HRM	Project #:	92118
Sample ID:	20 bbl composite	Date Reported:	04-04-94
Laboratory Number:	7059	Date Sampled:	03-15-94
Sample Matrix:	Soil	Date Received:	03-16-94
Preservative:	Cool	Date Extracted:	03-16-94
Condition:	Cool & Intact	Date Analyzed:	04-03-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	0.39	0.025	100.0

SURROGATE RECOVERY	Parameter	Percent Recovery
	2-fluorophenol	114 %
	2,4,6-tribromophenol	106 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments: 1125 Hwy 550, Aztec
Sample from compressor oil waste stream

Analyst

Review

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	HRM	Project #:	92113
Sample ID:	20 bbl composite	Date Reported:	04-03-94
Laboratory Number:	7059	Date Sampled:	03-15-94
Sample Matrix:	Sand	Date Received:	03-16-94
Preservative:	Cool	Date Extracted:	03-16-94
Condition:	Cool & Intact	Date Analyzed:	04-02-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.022	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments: 1125 Hwy 550 Aztec
Sample from compressor oil waste stream

Tony Trujillo
Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Halliburton Resource Mgmt.	Project #:	92118
Sample ID:	20 Barrel Comp.	Date Reported:	03-18-94
Laboratory Number:	7059	Date Sampled:	03-15-94
Sample Matrix:	Soil	Date Received:	03-16-94
Preservative:	Cool	Date Analyzed:	03-17-94
Condition:	Cool & Intact	Date Extracted:	03-16-94
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	0.003	0.001	5.000
BARIUM	1.3	0.1	100.0
CADMIUM	0.030	0.001	1.000
CHROMIUM	ND	0.001	5.000
LEAD	0.042	0.001	5.000
MERCURY	ND	0.002	0.200
SELENIUM	0.008	0.001	1.000
SILVER	ND	0.01	5.00

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

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

ND - Parameter not detected at the stated detection limit.

Comments: 1125 Hwy 550, Aztec

Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

RCRA CHARACTERISTICS

Client:	Halliburton Resources Mgmt.	Project #:	92118
Sample ID:	20 Barrel Composite	Date Reported:	03-16-94
Lab ID#:	7059	Date Sampled:	03-15-94
Sample Matrix:	Soil	Date Received:	03-16-94
Preservative:	Cool	Date Analyzed:	03-16-94
Condition:	Cool & Intact		

IGNITABILITY: Did not ignite upon direct contact with flame after heating to 60°c.

CORROSIVITY: pH of 8.19

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

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: ≤ pH 2 or ≥ pH 12.5 is hazardous waste.

1125 Hwy 550, Aztec

Analyst

Reviewed

ENVIROTECH LABORATORIES

5796 U.S. HIGHWAY 64-3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	03-18-94
Laboratory Number:	0317TCV.BLK	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	03-17-94
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
2-Butanone	ND	0.005	200
1,1-Dichloroethene	ND	0.005	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	99 %
Bromofluorobenzene	100 %

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments:

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	04-04-94
Laboratory Number:	0403TCA.BLK	Date Sampled:	NA
Sample Matrix:	2-Propanol	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	04-03-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.025	100.0

SURROGATE RECOVERY	Parameter	Percent Recovery
	2-fluorophenol	111 %
	2,4,6-tribromophenol	112 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Tony Tinsley
Analyst

Morris D. Young
Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	04-03-94
Laboratory Number:	0402TBN.BLK	Date Sampled:	NA
Sample Matrix:	Hexane	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	04-02-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.022	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Tony Twister
Analyst

Mary D. Young
Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - BLANKS

Client:	NA	Project #:	NA
Sample ID:	Blanks	Date Reported:	03-18-94
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	03-17-94
Condition:	NA	Date Extracted:	NA

Parameter	Instrument Blank (mg/L)	Extraction Sol. Blank (mg/L)	Det. Limit (mg/L)
ARSENIC	ND	ND	0.001
BARIUM	ND	ND	0.1
CADMIUM	ND	ND	0.001
CHROMIUM	ND	ND	0.001
LEAD	ND	ND	0.001
MERCURY	ND	ND	0.002
SELENIUM	ND	ND	0.001
SILVER	ND	ND	0.01

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	03-18-94
Laboratory Number:	0316TCV.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	03-16-94
Condition:	Cool & Intact	Date Analyzed:	03-17-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
1,1-Dichloroethene	ND	0.005	0.7
2-Butanone	ND	0.005	200
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	99 %
Bromofluorobenzene	98 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	04-04-94
Laboratory Number:	0316TCA.MB	Date Sampled:	NA
Sample Matrix:	Sand	Date Received:	NA
Preservative:	NA	Date Extracted:	03-16-94
Condition:	NA	Date Analyzed:	04-03-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.025	100.0

SURROGATE RECOVERY	Parameter	Percent Recovery
	2-fluorophenol	98 %
	2,4,6-tribromophenol	105 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Tom Tipton
Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	N/A	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	04-03-94
Laboratory Number:	0316TBN.MB	Date Sampled:	N/A
Sample Matrix:	Sand	Date Received:	N/A
Preservative:	N/A	Date Extracted:	03-16-94
Condition:	N/A	Date Analyzed:	04-02-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.022	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Tony Trustano
Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

** QUALITY ASSURANCE EPA METHODS 8010/8020
MATRIX SPIKE - AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Spike	Date Reported:	03-18-94
Laboratory Number:	7059STCV.	Date Sampled:	03-15-94
Sample Matrix:	Soil	Date Received:	03-16-94
Analysis Requested:	TCLP	Date Analyzed:	03-17-94
Condition:	NA		

Parameter	Sample Result (ug/L)	Spike Added (ug/L)	Spiked Sample Result (ug/L)	Det. Limit (ug/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	10.0	11.3	5.0	101	28-163
1,1-Dichloroethene	ND	10.0	10.4	5.1	98	43-143
2-Butanone	ND	10.0	10.8	5.0	102	47-132
Chloroform	ND	10.0	9.9	5.0	99	49-133
Carbon Tetrachloride	ND	10.0	9.7	5.0	97	43-143
Benzene	ND	10.0	10.0	5.0	96	39-150
1,2-Dichloroethane	ND	10.0	9.7	5.0	97	51-147
Trichloroethene	ND	10.0	9.7	5.0	97	35-146
Tetrachloroethene	ND	10.0	12.1	5.0	100	26-162
Chlorobenzene	ND	10.0	10.0	5.0	100	38-150
1,4-Dichlorobenzene	ND	10.0	9.6	5.0	96	42-143

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

QUALITY ASSURANCE REPORT
EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - MATRIX SPIKE

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	03-18-94
Laboratory Number:	NA	Date Sampled:	03-15-94
Sample Matrix:	TCLP Extract	Date Received:	03-16-94
Analysis Requested:	TCLP	Date Analyzed:	03-17-94
Condition:	NA	Date Extracted:	03-16-94

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
ARSENIC	0.100	0.003	0.102	99
BARIUM	10.0	1.28	11.3	100
CADMIUM	0.100	0.030	0.130	100
CHROMIUM	0.100	ND	0.101	101
LEAD	0.100	0.042	0.141	99
MERCURY	0.100	ND	0.099	99
SELENIUM	0.100	0.008	0.107	99
SILVER	1.00	ND	1.01	101

QA ACCEPTANCE CRITERIA:

Parameter	Acceptance Range %
TCLP Metals	80 - 120

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

3429

CHAIN OF CUSTODY RECORD

Project Name	Project Location	ANALYSIS/PARAMETERS
92118 BURLINGTON RESOURCE MIG INT.	1125 HWY 550 AZTEC	
(Signature) R. E. O'Neill	Chain of Custody Tape No.	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TCLP w/ Pest + BTX						Remarks
REEL COMP	3-15-94	1605	7059	SOIL	1	✓						SAMPLE FROM COMPOSITE OF WASTE STREAM.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
R. E. O'Neill	3-16-94	0709	Denise L. Ogden	3-16-94	0709
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

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

Submit Results to R. Young

92106-01

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒ (Submitting this form for oilfield exempt waste is optional)	4. Generator Burlington Environmental for Meridian Oil Inc
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site MOI Farmington Yard
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Doug Foutz
7. Location of Material (Street Address or ULSTR) 4551 Herrera Road, Farmington, NM 87401	8. State NM

'94 SEP 9 AM 8 50

OIL CONSERVATION DIVISION
RECEIVED

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

Projected Dates(s) for Transportation: 9/94

BRIEF DESCRIPTION OF THE MATERIAL:

Diesel Contaminated Soil From Above-ground storage tank at Meridian's Farmington Yard at 4551 Herrera Road.

TCLP Included.

RECEIVED
SEP 14 1994
OIL CON. DIV.
DIST. 3

RECEIVED
SEP - 1 1994
OIL CON. DIV.
DIST. 3
9/30/94

Estimated Volume 340 yd³ Known Volume (to be entered by the operator at the end of the haul): 228 yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 8/30/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 9/7/94

APPROVED BY C. Quintin TITLE GEOLOGIST DATE 9/13/94

CONDITIONS OF APPROVAL, IF ANY:

SF 9/7/94

92106-01

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒ (Submitting this form for oilfield exempt waste is optional)	4. Generator Burlington Environmental for Meridian Oil Inc
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site MOI Farmington Yard
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Doug Foutz
7. Location of Material (Street Address or ULSTR) 4551 Herrera Road, Farmington, NM 87401	8. State NM

9. **Check One**

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☒ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 9/94

BRIEF DESCRIPTION OF THE MATERIAL:

Diesel Contaminated Soil From Above-ground storage tank at Meridian's Farmington Yard at 4551 Herrera Road.

TCLP Included.

RECEIVED
SEP - 1 1994
OIL CON. DIV.
DIST. 3

Estimated Volume 340 yd³ Known Volume (to be entered by the operator at the end of the haul): _____ yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 8/30/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 9/7/94

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Santa Fe 9/7/94

92106 01

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: Meridian Farmington Yard - 4551 Herrera Road

Source: Diesel AST Spill Contaminated Soils

Disposal Location: Envirotech Soil Remediation Facility (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Meridian Oil INC concur with the status of the waste from the subject site.

Name Craig Bock
Title/Agency Assoc. Environmental Representative
Address 87499-4289, Farmington, NM, 87499-4289

Signature C. A. Bock

Date 8/30/94

BARRINGER LABORATORIES

5735 McAdam Road
Mississauga, Ontario
L4Z 1N9
Tel: (905) 890-8566
Fax: (905) 890-8575
Wats: 1-800-263-9040

CLIENT: BURLINGTON ENVIRONMENTAL
PROJECT REFERENCE: 11751
W.O. #94-1790V
MATRIX: TCLP LEACHATE

VOLATILE ORGANIC COMPOUNDS (TCLP)

DATE: 25-Jul-94

UNITS: MICROGRAMS/LITER (UG/L)

COMPOUND	M.D.L. UG/L	REAGENT BLANK	BLANK	MDI-FDI-01	MDI-FDI-01 DUP.
BENZENE	1.0	ND	ND	ND	ND
CARBON TETRACHLORIDE	2.0	ND	ND	ND	ND
CHLOROBENZENE	2.0	ND	ND	ND	ND
CHLOROFORM	2.0	ND	ND	ND	ND
1,4-DICHLOROBENZENE	2.0	ND	ND	ND	ND
1,2-DICHLOROETHANE	2.0	ND	ND	ND	ND
1,1-DICHLOROETHYLENE	5.0	ND	ND	ND	ND
METHYL ETHYL KETONE	50.0	ND	ND	ND	ND
TETRACHLOROETHYLENE	2.0	ND	ND	ND	ND
TRICHLOROETHYLENE	2.0	ND	ND	ND	ND
VINYL CHLORIDE	10.0	ND	ND	ND	ND
SURROGATE STANDARD RECOVERIES:	AMOUNT	CONTROL LIMITS 80-120%			
DIBROMOFLUOROMETHANE	160.0	102%	104%	97%	94%
TOLUENE-D8	40.0	98%	99%	99%	98%
4-BROMOFLUOROBENZENE	160.0	97%	99%	100%	97%

QUALITY CONTROL SPIKE PERCENT RECOVERIES

COMPOUND	AMOUNT UG/L	MDI-FDI-01 SPIKE	REGEANT SPIKE
BENZENE	2.0	94%	100%
CARBON TETRACHLORIDE	5.0	91%	101%
CHLOROBENZENE	5.0	97%	106%
CHLOROFORM	5.0	84%	98%
1,4-DICHLOROBENZENE	5.0	103%	112%
1,2-DICHLOROETHANE	5.0	104%	113%
1,1-DICHLOROETHYLENE	5.0	85%	93%
METHYL ETHYL KETONE	25.0	102%	109%
TETRACHLOROETHYLENE	5.0	93%	103%
TRICHLOROETHYLENE	5.0	93%	101%
VINYL CHLORIDE	10.0	89%	96%
SURROGATE STANDARD RECOVERIES:		CONTROL LIMITS 80-120%	
DIBROMOFLUOROMETHANE	16.0	78%	91%
TOLUENE-D8	4.0	101%	101%
4-BROMOFLUOROBENZENE	16.0	102%	102%

BARRINGER LABORATORIES

5735 McAdam Road
Mississauga, Ontario
L4Z 1N9
Tel: (905) 890-8566
Fax: (905) 890-8575
Wats: 1-800-263-9040

CLIENT: BURLINGTON ENVIRONMENTAL
PROJECT REFERENCE: 11751
W.O. #94-1790V
MATRIX: TCLP LEACHATE

VOLATILE ORGANIC COMPOUNDS (TCLP)

DATE: 25-Jul-94

LEGEND: M.D.L. = METHOD DETECTION LIMIT
ND = NOT DETECTED
DUP. = DUPLICATE

Date of sample receipt: July 8, 1994
Date of sample analysis: July 18, 1994

ANALYTICAL METHOD:

The sample was extracted using a Zero Headspace Extraction device as described in US EPA Method 1311 - Toxicity Characteristic Leaching Procedure (TCLP). The TCLP leachate was analysed by purge & trap gas chromatography/mass spectrometry using the internal standard method of quantitation (Method 8260A).

REPORT DISCUSSION:

The surrogate standard recoveries were within the control limits for the analytical method. The target compound quality control spike recoveries were in the normal range for the analytical method. No target analytes were detected.

JOB APPROVED BY:

SIGNED:

MICHAEL DANCZIGER, Ph.D., C.Chem.
QUALITY ASSURANCE MANAGER

ASSOCIATION OF THE CHEMICAL PROFESSION OF ONTARIO
CHARTERED
Michael Danczger
CHEMIST

BARRINGER LABORATORIES

5735 McAdam Road
Mississauga, Ontario
L4Z 1N9
Tel: (905) 890-8566
Fax: (905) 890-8575
Wats: 1-800-263-9040

CLIENT: BURLINGTON ENVIRONMENTAL
PROJECT REFERENCE: 11751
W.O. # 94-17908
MATRIX: LEACHATE

TCLP SEMIVOLATILE EXTRACTABLES

DATE: 28-Jul-94

	COMPOUND	LOQ UG/L	REAGENT BLANK	MDI-FDI -01
1	O-CRESOL	32	ND	ND
2	M-CRESOL & P-CRESOL	32	ND	ND
3	1,4-DICHLOROBENZENE	16	ND	ND
4	2,4-DINITROTOLUENE	16	ND	ND
5	HEXACHLOROBENZENE	32	ND	ND
6	HEXACHLOROBUTADIENE	32	ND	ND
7	HEXACHLOROETHANE	32	ND	ND
8	NITROBENZENE	16	ND	ND
9	PENTACHLOROPHENOL	32	ND	ND
10	PYRIDINE	160	ND	ND
11	2,4,5-TRICHLOROPHENOL	32	ND	ND
12	2,4,6-TRICHLOROPHENOL	32	ND	ND

SURROGATE STANDARD RECOVERIES:	AMOUNT	CONTROL LIMITS: 30 - 140%	
NITROBENZENE-D5	400	67%	68%
2-FLUOROBIPHENYL	400	66%	68%
TERPHENYL-D14	400	75%	74%
2-FLUOROPHENOL	800	59%	58%
PHENOL-D5	800	47%	48%
2,4,6-TRIBROMOPHENOL	800	70%	68%

QUALITY CONTROL SPIKE PERCENT RECOVERIES

	COMPOUND	AMOUNT UG/L	REAGENT SPIKE
1	O-CRESOL	800	60%
2	M-CRESOL & P-CRESOL	800	59%
3	1,4-DICHLOROBENZENE	400	54%
4	2,4-DINITROTOLUENE	400	70%
5	HEXACHLOROBENZENE	400	61%
6	HEXACHLOROBUTADIENE	400	55%
7	HEXACHLOROETHANE	400	55%
8	NITROBENZENE	400	57%
9	PENTACHLOROPHENOL	800	71%
10	PYRIDINE	1530	27%
11	2,4,5-TRICHLOROPHENOL	800	63%
12	2,4,6-TRICHLOROPHENOL	800	65%

SURROGATE STANDARD RECOVERIES:		CONTROL LIMITS: 30 - 140%
NITROBENZENE-D5	400	61%
2-FLUOROBIPHENYL	400	59%
TERPHENYL-D14	400	73%
2-FLUOROPHENOL	800	54%
PHENOL-D5	800	45%
2,4,6-TRIBROMOPHENOL	800	71%

BARRINGER LABORATORIES

5735 McAdam Road
Mississauga, Ontario
L4Z 1N9
Tel: (905) 890-8566
Fax: (905) 890-8575
Wats: 1-800-263-9040

CLIENT: BURLINGTON ENVIRONMENTAL
PROJECT REFERENCE: 11751
W.O. # 94-17908
MATRIX: LEACHATE

TCLP SEMIVOLATILE EXTRACTABLES

DATE: 28-Jul-94

LEGEND: UNITS: MICROGRAMS PER LITER (UG/L)
LOQ = LIMIT OF QUANTITATION
ND = NOT DETECTED ABOVE LOQ

ANALYTICAL METHOD:

The solid samples were leached according to US EPA Method 1311 - Toxicity Characteristic Leaching Procedure (TCLP). The samples were prepared by liquid-liquid extraction and analysed by gas chromatography/mass spectrometry using the internal standard method of quantitation.

JOB APPROVED BY:

SIGNED: .....

RONALD CORKUM, M.Sc., C.Chem.
MANAGER, MASS SPECTROMETRY SECTION

ASSOCIATION OF THE CHEMICAL PROFESSION OF ONTARIO
CHARTERED
Ronald J. Corkum
CHEMIST

BARRINGER LABORATORIES

5735 n
Mississauga, Ontario
L4Z 1N9
Tel: (905) 890-8566
Fax: (905) 890-8575
Wats: 1-800

25-Jul-94

BURLINGTON ENVIRONMENTAL
4000 Monroe Road
Farmington, NM 87401
USA

Page: 1
Copy: 1 of 2
Set : 1

Attn: Ms. Allen Hains
Project: 11751

Received: 8-Jul-94 12:14
PO #:

Job: 941790

Status: Final

TCLP Leach EPA 1310

Sample Id	As HGAAS mg/L	Se HGAAS mg/L	Hg CVAAS mg/L	Ag ICAP mg/L	Ba ICAP mg/L	Cd ICAP mg/L	Cr ICAP mg/L	Pb ICAP mg/L
MDI-FDI-01	0.001	0.001	<0.00005	<0.005	0.364	<0.005	0.01	<0.05
Blank	<0.001	<0.001	<0.00005	<0.005	<0.005	<0.005	<0.01	<0.05
QC Standard (found)	1.00	1.00	0.00164	<0.005	0.928	1.02	0.98	0.99
QC Standard (expected)	1.00	1.00	0.00167	<0.005	1.00	1.00	1.00	1.00
Repeat	0.001	<0.001	<0.00005	<0.005	0.366	<0.005	<0.01	<0.05

Job approved by:

Signed:

.....

Agnes Love, B.Sc.
Manager, Environmental Inorganic Services

006 BURLINGTON ENV. 5053. 08/29/94 10:34 88

BARRINGER LABORATORIES

Mississauga, Ontario
L4Z 1N9
Tel: (905) 890-8566
Fax: (905) 890-8575
Wats: 1-800-263-9040

25-Jul-94

BURLINGTON ENVIRONMENTAL
4000 Monroe Road
Farmington, NM 87401
USA

Attn: Ms. Allen Hains
Project: 11751

Received: 8-Jul-94 12:14
PO #:

Job: 941790

Status: Final

QUALITY CONTROL DATA SHEET

Sample Type: soil
Sampling Date: 7/9/94
Additional Lab Preparation: none

Parameter	Method	LLD	Date(s) of Analysis	Date(s) of Extraction
TCLP	SW 1311			7/13
As	SW 7061	0.001 mg/L	7/15	
Se	SW 7741	0.001 mg/L	7/15	
Hg	SW 7470	5e-05 mg/L	7/15	
Ag	SW 6010	0.005 mg/L	7/21	
Ba	SW 6010	0.01 mg/L	7/21	
Cd	SW 6010	0.005 mg/L	7/21	
Cr	SW 6010	0.01 mg/L	7/21	
Pb	SW 6010	0.05 mg/L	7/21	

007 BURLINGTON ENV. 5053. 08/29/94 10:34

475

ANALYTICA

Soil pH

EPA Method 9045B

Burlington Environmental

Project ID:	Meridian Fuel Island/11751	Report Date:	08/03/94
Sample Matrix:	Soil	Date Sampled:	08/03/94
Preservative:	NA	Date Received:	08/03/94
Condition:	Intact	Date Extracted:	08/03/94
		Date Analyzed:	08/03/94

MOI-FI-02	0046	7.4
DUPLICATE	0046 DUP	7.4

Reference: SW-846; Test Methods For Evaluating Solid Waste, Physical/Chemical Methods; 3rd Edition; Final Update II; November 1992.

Comments:

Analyst

Review

BESC80394

BURLINGTON ENVIRONMENTAL
A Philip Environmental Company

Chain-of Custody Record

4000 Monroe Road
Farmington, NM 87401
(505) 326-2262 Phone
(505) 326-2388 FAX

COC Serial No. C 1911

Project Name: MERIDIAN FUEL ISLAND
Project Number: 11751 Phase . Task: 3007.77
Samplers: Allen S. Hains
Laboratory: Name: ANALYTICA
Location: FARMINGTON, NM

Sample Number (and depth)	Date	Time	Matrix	Total Number of Bottles	Type of Analysis and Bottle: 8240	Comments
MOI-FI-02	8-3-94	10:15	Soil	1	X	940046

Relinquished by:

Signature	Date	Time
Allen S. Hains	8-3-94	10:25

Received By:

Signature	Date	Time
Vonnie Imel	8-3-94	10:25

Samples Iced: ☒ Yes ☐ No

Carrier: DELIVERED TO LAB Airbill No. N.A.

Preservatives (ONLY for Water Samples)
- ☐ Cyanide ..... Sodium hyroxide (NaOH)
- ☐ Volatile Organic Analysis ..... Hydrochloric acid (HCl)
- ☐ Metals ..... Nitric acid (HNO_3)
- ☐ TPH (418.1) ..... Sulfuric acid (H_2SO_4)
- ☐ Other (Specify) _____
- ☐ Other (Specify) _____

Shipping and Lab Notes:
PLEASE FAX RESULTS TO: 326-2388

08/29/94 10:35 5053. 38 BURLINGTON ENV. 009

BURLINGTON ENVIRONMENTAL
A Philip Environmental Company
4000 Monroe Road
Farmington, NM 87401
(505) 326-2262 Phone
(505) 326-2388 FAX

Chain-of Custody Record

COC Serial No. C 1015

Project Name: Meridian Fuel Island
Project Number: 11751 Phase . Task: 3087 . 77
Samplers: S. Pope
Laboratory — Name: Barringer
Location: Mississauga

Sample Number (and depth)	Date	Time	Matrix	Total Number of Bottles	Type of Analysis and Bottle: TCLP	Comments
MOI-FI-01	7/7/94	1610	Soil	1	X	

Relinquished by:

Signature	Date	Time
Sean T Pope	7/7/94	1630

Received By:

Signature	Date	Time

Samples Iced: ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)
- ☐ Cyanide ..... Sodium hyroxide (NaOH)
- ☐ Volatile Organic Analysis ..... Hydrochloric acid (HCl)
- ☐ Metals ..... Nitric acid (HNO_3)
- ☐ TPH (418.1) ..... Sulfuric acid (H_2SO_4)
- ☐ Other (Specify) _____
- ☐ Other (Specify) _____

Carrier: Fed Ex
Airbill No. 4600-9351-3[illegible]

Shipping and Lab Notes:
- Call Allen Hains W/ Question Regarding Analysis.
~~Please Return Cooler to Me.~~ STP 7/7/94

BE-179 4/94

010
BURLINGTON ENV.
08/29/94 10:36 8505[illegible] 38

92117-06

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXX

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

4. Generator
El Paso Nat Gas

2. Destination
Land Farm # 2 Envirotech Soil Remediation Facility

5. Name of Originating Site
LARGO PLANT

3. Address of Facility Operator
5796 US Hwy. 64-3014 Farmington, New Mexico 87401

6. Name of Transporter
YUCCA

7. Location of Material (Street Address or ULSTR)
S15, T26N, R7W, Sandoval 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 certification of waste from the Generator; one certificate per job.

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☒ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 9/94

BRIEF DESCRIPTION OF THE MATERIAL:

hydrocarbon contaminated soil from excavation of historical pit located at Largo Plant. - TRUNK K Drip Pit.

TCLP is enclosed

RECEIVED
SEP 14 1994
OIL CON. DIV.
DIST. 3

RECEIVED
SEP - 1 1994
OIL CON. DIV.
DIST. 3

Hauled 9/22/94 - 9/25/95

Estimated Volume _____ yd³ Known Volume (to be entered by the operator at the end of the haul): 520 yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 8/30/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 9/7/94

APPROVED BY C.O. Smith TITLE GEOLOGIST DATE 9/13/94

CONDITIONS OF APPROVAL, IF ANY:

SF 9/7/94

92117-06

REQUEST FOR APPRO . . TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒ (Submitting this form for oilfield exempt waste is optional)	4. Generator El Paso Nat Gas
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site LARGO PLANT
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter YUCCA
7. Location of Material (Street Address or ULSTR) S15, T26N, R7W, Sandoval 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 certification of waste from the Generator; one certificate per job.

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☒ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 9/94

BRIEF DESCRIPTION OF THE MATERIAL:

hydrocarbon contaminated soil from excavation of historical pit Located at Largo Plant. - TRUNK K Drip Pit.

TCLP is enclosed

RECEIVED
SEP - 1 1994
OIL CON. DIV.
DIST. 3

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

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 8/30/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 9/7/94

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Santa Fe 9/7/94

92117-06

RECEIVED AUG 26 1994

El Paso
Natural Gas Company

P. O. BOX 4990
FARMINGTON, NEW MEXICO 87499

August 24, 1994

Mr. Rob Young
Envirotech, Inc.
5796 US HWY 64
Farmington, NM 87401

Dear Mr. Young,

El Paso Natural Gas Co. hereby requests approval to dispose of hydrocarbon contaminated soil at your landfarm facility. The soil was excavated from the area of a historical pit at our Largo Plant facility, located in Sec. 15, T. 26N, R. 7W, Sandoval County, NM. Because the hydrocarbon source which affected the soil was not strictly exempt, I have enclosed analytical information which we have obtained on this material. The analytical data is referenced as sample number 941101. Also, per your instructions, enclosed is a signed Certificate of Waste Status - Nonexempt Waste Material.

Please inform me as soon as possible when you have obtained approval from NMOCD so that the soil may be transported to your facility.

Sincerely,

Sandra D. Miller

Sandra D. Miller
Sr. Environmental Scientist

xc: W.D. Hall, EPNG
B.J. Snell, EPNG

92117-06

CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL

Originating Location: LARGO PLANT - TRUNK K DRIP PIT (SAMPLE # 941101)
Source: PIPELINE LIQUIDS & BASEMENT DRAIN
Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for the EPNG
concur with the status of the waste from the subject site.

Name SANDRA D. MILLER
Title/Agency SR. ENVIRONMENTAL SCIENTIST
Address P.O. BOX 4990
FARMINGTON NM 87499
Signature Sandra D Miller
Date 8/4/94

El Paso Natural Gas Company

MEMORANDUM

92117-06

To: (Distribution)

From: John Lambdin

Date: August 20, 1994

Place: Field Services Laboratory

Subject: Trunk K Drip Pit Excavation Soil Results

On July 29, 1994 the Field Services Laboratory received one (1) soil sample from the soil pile near the Trunk K drip pit excavation. The sample was assigned Field Services laboratory numbers 941101. The sample Identification is as follows:

941101 - Largo Plant, Trunk K Drip Pit Excavation Soil Pile, 7/29/94 @ 1200 Hrs by Ricky Cosby

This soil sample was collected and tested in order to characterize the soil excavated from the drip pit for disposal. The soil sample passed all the required RCRA hazwaste characterization tests.

Enclosed you will find copies of all analytical results. Please let me know, if you have any questions.

Distribution:

David Hall - w/o attachments
Sandra Miller
Results Log Book
File

Attachments

92117-06

Analytical Technologies, Inc.

2709-D Pan American Freeway, NE Albuquerque, NM 87107
Phone (505) 344-3777 FAX (505) 344-4413

ATI I.D. **407423**

August 16, 1994

El Paso Natural Gas Co.
P.O. Box 4990
Farmington, NM 87499

TRUNK K Drip Pit, LARGO Plant, 7/29/94 @ 1200 Hrs
Excavated Soil

Project Name/Number: PIT PROJECT 24324

Attention: John Lambdin

On **07/30/94**, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze **non-aqueous** sample(s). The sample(s) were sent directly to ATI, Phoenix. The sample(s) were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

All analyses were performed by Analytical Technologies, Inc., 9830 S. 51st Street, Suite B-113, Phoenix, AZ.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager

MR:jt

Enclosure

AUG 1994

2117-06

Analytical Technologies, Inc.

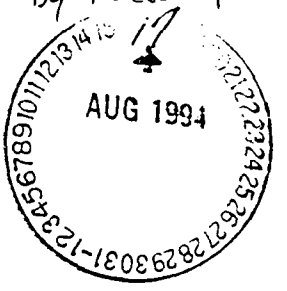
CLIENT : EL PASO NATURAL GAS CO.
PROJECT # : 24324
PROJECT NAME : PIT PROJECT

DATE RECEIVED : 07/30/94
REPORT DATE : 08/16/94

ATI I.D. : 407423

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	941101 LARGO Plant, TRUNK K Drip Pit	SOIL	07/29/94

Sampled 7/29/94 @ 1200 Hrs by R Cosby
Excavated Soil



----- TOTALS -----

MATRIX	# SAMPLES
SOIL	1

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

92117-06

Analytical Technologies, Inc. GENERAL CHEMISTRY RESULTS

ATI I.D. : 407423

CLIENT : EL PASO NATURAL GAS CO.
PROJECT # : 24324
PROJECT NAME : PIT PROJECT

DATE RECEIVED : 07/30/94
REPORT DATE : 08/16/94

PARAMETER	UNITS	01
IGNITABILITY (ATI P10.618)		NEG

PASSED
8/17/94

92117-06

Analytical Technologies Inc

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : EL PASO NATURAL GAS CO.
PROJECT # : 24324
PROJECT NAME : PIT PROJECT ATI I.D. : 407423

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
IGNITABILITY		40740501	NEG	NEG	NA	NA	NA	NA

Acceptable
SS
5/19/94

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

92117-06

Analytical Technologies, Inc. METALS RESULTS

ATI I.D. : 407423

CLIENT : EL PASO NATURAL GAS CO.
PROJECT # : 24324
PROJECT NAME : PIT PROJECT

DATE RECEIVED : 07/30/94
REPORT DATE : 08/16/94

PARAMETER	UNITS	01
SILVER (TCLP 1311/6010)	MG/L	<0.05
ARSENIC (TCLP 1311/6010)	MG/L	<0.1
BARIUM (TCLP 1311/6010)	MG/L	2.45
CADMIUM (TCLP 1311/6010)	MG/L	<0.05
CHROMIUM (TCLP 1311/6010)	MG/L	<0.10
MERCURY (TCLP 1311/7470)	MG/L	<0.002
LEAD (TCLP 1311/6010)	MG/L	<0.10
SELENIUM (TCLP 1311/6010)	MG/L	<0.1

Passed
8
5/19/94

G2117-06

Analytical Technologies, Inc. METALS - QUALITY CONTROL

CLIENT : EL PASO NATURAL GAS CO.
PROJECT # : 24324
PROJECT NAME : PIT PROJECT ATI I.D. : 407423

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
SILVER	MG/L	40783301	<0.05	<0.05	NA	0.94	1.00	94
ARSENIC	MG/L	40783301	<0.1	<0.1	NA	1.0	1.0	100
BARIUM	MG/L	40783301	0.87	0.87	0	4.56	4.00	92
CADMIUM	MG/L	40783301	<0.05	<0.05	NA	0.93	1.00	93
CHROMIUM	MG/L	40783301	<0.10	<0.10	NA	0.90	1.00	90
MERCURY	MG/L	40783301	<0.002	<0.002	NA	0.045	0.050	90
LEAD	MG/L	40783301	<0.10	<0.10	NA	0.93	1.00	93
SELENIUM	MG/L	40783301	<0.1	<0.1	NA	1.1	1.0	110

Acceptable
JF
5/18/04

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

92117-06

Analytical Technologies, Inc.

GCMS - RESULTS

ATI I.D. : 40742301

TEST : EPA METHOD 8240 (TCLP 1311)

CLIENT	: EL PASO NATURAL GAS CO.	DATE SAMPLED	: 07/29/94
PROJECT #	: 24324	DATE RECEIVED	: 07/30/94
PROJECT NAME	: PIT PROJECT	DATE EXTRACTED	: 08/01/94
CLIENT I.D.	: 941101	DATE ANALYZED	: 08/03/94
SAMPLE MATRIX	: SOIL	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	55
CARBON TETRACHLORIDE	<10
CHLOROBENZENE	<10
CHLOROFORM	<10
1,2-DICHLOROETHANE	<10
1,1-DICHLOROETHENE	<10
METHYL ETHYL KETONE	<100
TETRACHLOROETHENE	<10
TRICHLOROETHENE	<10
VINYL CHLORIDE	<10
SURROGATE PERCENT RECOVERIES	
1,2-DICHLOROETHANE-D4 (%)	101
BROMOFLUOROBENZENE (%)	102
TOLUENE-D8 (%)	100

TCLP Benzene Limit = 500 UG/L

This sample PASSED.

8/19/94

42117-06

Analytical Technologies, Inc.

GCMS - RESULTS

REAGENT BLANK

TEST : EPA METHOD 8240 (TCLP 1311)

CLIENT	: EL PASO NATURAL GAS CO.	ATI I.D.	: 407423
PROJECT #	: 24324	DATE EXTRACTED	: 08/01/94
PROJECT NAME	: PIT PROJECT	DATE ANALYZED	: 08/03/94
CLIENT I.D.	: REAGENT BLANK	UNITS	: UG/L
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
BENZENE	<10
CARBON TETRACHLORIDE	<10
CHLOROBENZENE	<10
CHLOROFORM	<10
1,2-DICHLOROETHANE	<10
1,1-DICHLOROETHENE	<10
METHYL ETHYL KETONE	<100
TETRACHLOROETHENE	<10
TRICHLOROETHENE	<10
VINYL CHLORIDE	<10

SURROGATE PERCENT RECOVERIES

1,2-DICHLOROETHANE-D4 (%)	100
BROMOFLUOROBENZENE (%)	100
TOLUENE-D8 (%)	99

Acceptable

5/19/94

G2117-06

Analytical Technologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 407423

TEST : EPA METHOD 8240 (TCLP 1311)

CLIENT : EL PASO NATURAL GAS CO.
PROJECT # : 24324
PROJECT NAME : PIT PROJECT
REF I.D. : 40849913

DATE ANALYZED : 08/03/94
SAMPLE MATRIX : NON-AQUEOUS
UNITS : UG/L

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
1,1-DICHLOROETHENE	<1	50	51	102	51	102	0
TRICHLOROETHENE	<1	50	51	102	52	104	2
CHLOROBENZENE	<1	50	51	102	53	106	4
BENZENE	<1	50	50	100	52	104	4

Acceptable
gs
8/4/94

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

92117-06

Analytical Technologies, Inc.

GCMS - RESULTS

ATI I.D. : 40742301

TEST : EPA METHOD 8270 (TCLP 1311)

CLIENT	: EL PASO NATURAL GAS CO.	DATE SAMPLED	: 07/29/94
PROJECT #	: 24324	DATE RECEIVED	: 07/30/94
PROJECT NAME	: PIT PROJECT	DATE EXTRACTED	: 08/03/94
CLIENT I.D.	: 941101	DATE ANALYZED	: 08/04/94
SAMPLE MATRIX	: SOIL	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
O-CRESOL	<20
M & P-CRESOL	<20
1,4-DICHLOROBENZENE	<20
2,4-DINITROTOLUENE	<20
HEXACHLOROBENZENE	<20
HEXACHLOROBUTADIENE	<20
HEXACHLOROETHANE	<20
NITROBENZENE	<20
PENTACHLOROPHENOL	<100
2,4,5-TRICHLOROPHENOL	<100
2,4,6-TRICHLOROPHENOL	<20
PYRIDINE	<20

SURROGATE PERCENT RECOVERIES

NITROBENZENE (%)	107
2-FLUOROBIPHENYL (%)	98
TERPHENYL (%)	81
PHENOL-D6 (%)	58
2-FLUOROPHENOL (%)	48
2,4,6-TRIBROMOPHENOL (%)	95

PASSED ALL TCLP Limits.
Acceptable
8/11/94

92117-06

Analytical Technologies, Inc.

GCMS - RESULTS

REAGENT BLANK

TEST : EPA METHOD 8270 (TCLP 1311)

CLIENT	: EL PASO NATURAL GAS CO.	ATI I.D.	: 407423
PROJECT #	: 24324	DATE EXTRACTED	: 08/03/94
PROJECT NAME	: PIT PROJECT	DATE ANALYZED	: 08/05/94
CLIENT I.D.	: REAGENT BLANK	UNITS	: UG/L
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
O-CRESOL	<20
M & P-CRESOL	<20
1,4-DICHLOROBENZENE	<20
2,4-DINITROTOLUENE	<20
HEXACHLOROBENZENE	<20
HEXACHLOROBUTADIENE	<20
HEXACHLOROETHANE	<20
NITROBENZENE	<20
PENTACHLOROPHENOL	<100
2,4,5-TRICHLOROPHENOL	<100
2,4,6-TRICHLOROPHENOL	<20
PYRIDINE	<20

SURROGATE PERCENT RECOVERIES

NITROBENZENE (%)	95
2-FLUOROBIPHENYL (%)	97
TERPHENYL (%)	83
PHENOL-D6 (%)	68
2-FLUOROPHENOL (%)	59
2,4,6-TRIBROMOPHENOL (%)	69

Acceptable
8/19/94

92117-06

Analytical Technologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 407423

TEST : EPA METHOD 8270 (TCLP 1311)

CLIENT : EL PASO NATURAL GAS CO.
PROJECT # : 24324
PROJECT NAME : PIT PROJECT
REF I.D. : 40742301

DATE ANALYZED : 08/05/94
SAMPLE MATRIX : SOIL
UNITS : UG/L

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
2,4-DINITROTOLUENE	<20	100	93	93	85	85	9
1,4-DICHLOROBENZENE	<20	110	82	75	87	79	6
PENTACHLOROPHENOL	<100	200	160	80	170	85	6
O-CRESOL	<20	200	160	80	160	80	0

Acceptable
8/9/94

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

PLEASE FILL THIS FORM IN COMPLETELY. SHADED AREAS ARE FOR LAB USE ONLY.

Analytical**Technologies,**Inc., Albuquerque, NM
San Diego • Phoenix • Seattle • Pensacola • Ft. Collins • Portland • Albuquerque

CHAI OF CUS T DY

DATE: 7/29/94 PAGE 1 OF 1

ATI LAB I.D. 407423

PROJECT MANAGER: [redacted]

COMPANY: El Paso Natural Gas
ADDRESS: P.O. Box 4990
Farmington, NM 87499
PHONE: (505) 599-2144
FAX: (505) 599-2261

BILL TO: (SAME AS Above)
COMPANY:
ADDRESS:

| | | |

92197

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☐ No ☒ (Submitting this form for oilfield exempt waste is optional)	4. Generator Meridian
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site Val Verde Plant
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Envirotech
7. Location of Material (Street Address or ULSTR) A-14-T29N-R11W, NMPM	8. State New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☐ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 9/2/94

BRIEF DESCRIPTION OF THE MATERIAL:

Contamination of Charcoal Filter Media

RECEIVED
SEP 7 & 1994
OIL CON. DIV.
DIST. 3

Rec 18 cy on 9/2/94
Placed in LF#2 D-19
Boc # 5182

Estimated Volume 18 yd³ Known Volume (to be entered by the operator at the end of the haull: 18 yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 9/2/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 9/14/94

APPROVED BY Emie Busch TITLE Geo DATE 9/14/94

CONDITIONS OF APPROVAL, IF ANY:

92197

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: Val Verde Plant

Source: MDEA / TEG Filtration / Charcoal Filter media

Disposal Location: Envirotech Soil Remediation Facility (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Meridian Oil Inc. concur with the status of the waste from the subject site.

Name Craig A. Bock
Title/Agency Assoc. Environmental Representative
Address PO Box 4289, Farmington, NM 87499-4289
Signature C. A. Bock
Date 6/1/94

on B.O.L. # 5182

92197

Envirotech Exempt Waste Manifest
Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

Safety and Environmental

1. Waste Location: Lease/Well No. Val Verde Gas Plant

2. Volume: 18 Cubic Yards _____ Barrels _____ Gallons

3. Description of Waste: spent Activated Carbon Charcoal/ filter media

4. Method of Waste Generation: MDEA Filtration

5. Disposal Cost: $16/yd³

6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal C. J. Bell (signature) Date 9/1/94

MOI Representive

Transportation Company: Envirotech

Date(s) Transported: 9-2-94

MOI Representative on Site Derrick Poulson (signature) Date 9-2-94

Envirotech
Complete and return to Meridian Safety and Environmental with invoice.

Date(s) Received: 9/2/94

Total Volume Received: 18 cubic Yards

Waste Location : Cell/Grid No. LANDFARM #2 D-19

Received By : Robert M Young For Charles Mollenix (signature)

04047

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ Approval previously Received From Denny Foust (Submitting this form for oilfield exempt waste is optional)	4. Generator El Paso Natural Gas
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site Various Pits
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Doug Foutz
7. Location of Material (Street Address or ULSTR) SEE ATTACHED LIST	8. State New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☐ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: July 1994

BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated Soil From Various dehydrator and drip pits in the State of New Mexico

Sent to OCD 8/10/94 Rmy

RECEIVED
AUG 17 1994
OIL CON. DIV.
DIST. 3

Estimated Volume _____ yd³ Known Volume (to be entered by the operator at the end of the haul): 3350 yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 8/10/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 8/19/94

APPROVED BY Lindi Bush TITLE Geologist DATE 8/18/94

CONDITIONS OF APPROVAL, IF ANY:

500

ENVIROTECH SOIL REMEDIATION FACILITY
HILLTOP, NEW MEXICO
EPNG (04047) TRACKING LOG 7/94

JULY 1994
LANDFARM #2

COORDINATES T-R-S-L	METER # (s)	PIT NAME	CLOSURE DATE	QUANTITY CUBIC YARDS	DESTINATION (LANDFARM : CELL)
28-7-32-C	90564	SAN JUAN 28-7 #252	07-11-94	190	LF #2: N1, N2
28-7-35-L	74521	SAN JUAN 28-7 #72	07-11-94	80	LF #2: N2
26-7-8-F	94744	FEDERAL 8 #22	07-12-94	120	LF #2: N2, N3
26-7-8-L	70142	MKL #12	07-12-94	60	LF #2: N3
26-7-18-H	N/A	TRUNK 2C LINE DRIP	07-12-94	80	LF #2: N3
26-7-18-H	N/A	TRUNK 2C LINE DRIP	07-13-94	90	LF #2: N3
25-8-1-D	74482	SHEETS #3A	07-13-94	60	LF #2: N3, N4
25-8-1-H	74374	SHEETS #5C	07-14-94	60	LF #2: N4
27-7-3-E	70655	CANYON LARGO "U" #49	07-14-94	80	LF #2: N4
25-7-4-B	70657	RIDDLE #1	07-14-94	50	LF #2: N-4
25-7-4-B	70657	RIDDLE #1	07-15-94	20	LF #2: N-4
25-7-8-B	95642	FOSTER #1	07-15-94	40	LF #2: N4
25-7-17-O	74494	NORDHAUS FEDERAL #4	07-15-94	30	LF #2: N5
25-7-17-F	N/A	LAT 2C-55 LINE DRIP	07-15-94	70	LF #2: N5
25-7-17-O	74494	NORDHAUS FEDERAL #4	07-18-94	40	LF #2: N5
25-7-17-K	87043	NORDHAUS #4	07-18-94	40	LF #2: N5
25-7-20-B	87037	NORDHAUS #7	07-19-94	40	LF #2: N5
25-7-20-I	87038	NORDHAUS #8	07-19-94	40	LF #2: N5
25-7-20-M	N/A	2C 109 DRIP	07-19-94	50	LF #2: N5, O1
25-7-28-D	74400	CANYON LARGO UNIT #56	07-19-94	50	LF #2: O1
25-7-28-D	74400	CANYON LARGO UNIT #56	07-20-94	10	LF #2: O1
25-7-20-L	87041	NORDHAUS #6	07-20-94	50	LF #2: O1
26-7-22-C	70538	JOHN MILES #1	07-20-94	60	LF #2: O1
26-7-5-L	80068 (70068?)	MKL #2	07-20-94	50	LF #2: O1
26-7-9-E	93190 : 93223	CANDADO#29A CH&MY(may be Candado#24A CH/MV)	07-20-94	40	LF #2: O1
26-7-9-E	93190 : 93223	CANDADO#29A CH&MY(may be Candado#24A CH/MV)	07-21-94	180	LF #2: O2
26-7-7-M	N/A	LAT 2C-121	07-21-94	60	LF #2: O2
26-8-26-E	95421	NICKSON 13-E	07-21-94	10	LF #2: O2
26-7-5-N	94497	MILES FEDERAL #1E	07-22-94	150	LF #2: O1, O2
26-7-6-O	94604	MKL #5A	07-22-94	20	LF #2: O2
26-7-6-G	94768	FEDERAL 6 #32 CH	07-22-94	50	LF #2: O2
26-7-6-B	70060	MKL #5	07-25-94	60	LF #2: O3, O4
26-7-5-N	94497	MILES FEDERAL #1E	07-25-94	110	LF #2: O3, O4
26-7-6-B	70070	MKL #4	07-25-94	50	LF #2: O4
26-7-6-L	70100	MKL #9	07-25-94	60	LF #2: O4
[redacted]					
26-7-7-I	70240	MKL #8	07-26-94	60	LF #2: O4
26-7-6-C	70078	MKL #6	07-26-94	80	LF #2: O4, O5
27-7-31-D	70136	HARRINGTON #2	07-26-94	70	LF #2: O5
27-8-36-H	70613	BORROUGHS COM #1	07-27-94	70	LF #2: O5
27-8-25-L	89894	HAMMOND #41A	07-27-94	270	LF #2: O5, P1
27-8-25-M	87396	FEDERAL E #1 (may be Federal E #11)	07-27-94	30	LF #2: P1
27-8-25-M	87396	FEDERAL E #1 (may be Federal E #11)	07-28-94	20	LF #2: P2
27-8-25-O	90862	HAMMOND #92	07-28-94	130	LF #2: P2, P3
27-8-25-L	70595	HAMMOND WN FED #1	07-28-94	50	LF #2: P2
27-8-26-G	89142	HAMMOND #55	07-28-94	90	LF #2: P2
27-8-26-C	N/A	K-17 LINE DRIP	07-29-94	80	LF #2: P3
27-8-35-F	89884	HAMMOND #5	07-29-94	70	LF #2: P3
27-7-31-M	70079	HARRINGTON #1	07-29-94	50	LF #2: P3

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: A list of pit closure sites is attached. July 1994.

Source: Various dehydrator and drip pits in the State of New Mexico.

Disposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for the El Paso Natural Gas Company concur with the status of the waste from the subject site.

Name Sandra D. Miller

Title/Agency SR. Environmental Scientist
El Paso Natural Gas Company

Address P.O. Box 4990
Farmington, NM 87499

Signature Sandra D. Miller

Date August 5, 1994

RECEIVED AUG 9 1994

CLOSED	METER	METER2	LOCATION	S_T_R_L
07/11/94	74521		San Juan 28-7 #72 PC	35-28-07-L
07/11/94	90564		San Juan 28-7 #252	32-28-07-C
07/12/94	70142		MKL #12	08-26-07-L
07/12/94	94744		Federal 8 #22	08-26-07-F
07/13/94	N/A		Trunk 2C Line Drip	18-26-07-H
07/13/94	74482		Sheets #3A	01-25-08-D
07/14/94	74374		Sheet #5-C	01-25-08-H
07/14/94	70655		Canyon Largo U #49	03-25-07-E
07/15/94	70657		Riddle #1	04-25-07-B
07/15/94	95642		Foster #1	08-25-07-B
07/15/94	N/A		Lat 2C-55 Line Drip	17-25-07-F
07/18/94	74494		Nordhaus Federal #4	17-25-07-O
07/18/94	87043		Nordhaus #4	17-25-07-K
07/19/94	N/A		2C-109 Drip	20-25-07-M
07/19/94	87037		Nordhaus #7	20-25-07-B
07/19/94	87038		Nordhaus #8	20-25-07-I
07/20/94	87041		Nordhaus #6	20-25-07-L
07/20/94	70068		MKL #2	05-26-07-L
07/20/94	74400		Canyon Largo U #56	28-25-07-D
07/20/94	70538		John Miles #1	22-26-07-C
07/21/94	N/A		Lat 2C-121 Line Drip	07-26-07-M
07/21/94	95421		Nickson #13E	26-26-08-E
07/21/94	93190	93223	Candado #24A CH/MV	09-26-07-E
07/22/94	94604		MKL #5A	06-26-07-O
07/22/94	94768		Federal 6 #32 CH	06-26-07-G
07/25/94	70060		MKL #5	06-26-07-B
07/25/94	70070		MKL #4	06-26-07-B
07/25/94	70100		MKL #9	06-26-07-L
07/25/94	94497		Miles Federal #1E	05-26-07-N
07/26/94	70240		MKL #8	07-26-07-I
07/26/94	70078		MKL #6	06-26-07-D
07/26/94	70136		Harrington #2	31-27-07-D
07/27/94	70613		Burroughs Com #1	36-27-08-H
07/28/94	87396		Federal E #11	25-27-08-M
07/28/94	70595		Hammond Fed #1	25-27-08-L
07/28/94	89142		Hammond #55	26-27-08-G
07/28/94	89894		Hammond #41A	25-27-08-L
07/28/94	90862		Hammond #92	25-27-08-O
07/29/94	89884		Hammond #5	35-27-08-F
07/29/94	N/A		K-17 Line Drip	26-27-08-C
08/01/94	70079		Harrington #1	31-27-07-M
08/01/94	71615		Marron #31	22-27-08-L
08/01/94	70469		Bolack C LS #1	28-27-08-A
08/01/94	70597		Brookhaven Com D #5	36-27-08-E
08/02/94	70470		Florance D LS #1	21-27-08-I
08/02/94	N/A		D-5 Line Drip	16-27-08-H
08/02/94	71033		Schultz #1	16-27-08-G
08/02/94	72405		Hammond #7	26-27-08-G
08/02/94	87061		Marron WN Fed #7	22-27-08-G
08/02/94	71162		Schultz Com #4	16-27-08-O
08/02/94	71035		Schultz #3	16-27-08-M
08/03/94	72049		Bolack B #3 PC	33-28-08-N
08/03/94	93552	93553	Dawson A #1M MV/PC	04-27-08-D
08/03/94	87023		Graham WN Fed #7	04-27-08-F
08/04/94	93947		Schwerdtfeger A #6E	08-27-08-D
08/04/94	93126		John Charles #8	13-27-09-B
08/04/94	70625		Filan #1	05-27-08-H
08/04/94	70624		Day #1B	07-27-08-A

El Paso
Natural Gas Company

P. O. BOX 4990
FARMINGTON, NEW MEXICO 87499

RECEIVED
AUG 24 1994
OIL CON. DIV.
DIST. 3

August 23, 1994

Mr. Rob Young
Envirotech, Inc.
5796 US HWY 64
Farmington, NM 87401

Dear Mr. Young,

El Paso Natural Gas Co. was recently contacted by Denny Foust of NMOCD about a discrepancy in the information provided to him regarding our pit closure project and the locations closed during the month of July under the blanket disposal permit. Specifically, a location referred to as "Blanco Plant I.D. 1964" was found on your list, and was not present on EPNG's list of locations sent to you. In addition, your Contaminated Soil Incoming Log indicated that 30 cubic yards of contaminated soil was transferred from the Blanco Plant I.D. 1964 location to the Envirotech landfarm.

Based on research of our records, we have deemed that the Blanco Plant I.D. 1964 location was incorrectly named and is, in actuality, the Kutz Oil Water Separator facility. The contractor who was hired to transport the soil was not given the correct location name and assumed it was related to our Blanco Plant facility because of its close proximity to the plant. The soil generated at the Kutz Oil Water Separator was not an exempt waste and was therefore not disposed under the blanket permit that EPNG uses for our pit closure project. Analytical information for the soil was in fact provided to Envirotech and NMOCD under its own request for approval.

Listed below is the documentation I have enclosed to support this conclusion.

- The original request for approval to dispose of nonexempt waste from the Kutz Oil Water Separator, along with the corresponding analytical information. (Dated June 3, 1994.)

- A subsequent request for approval to dispose of the nonexempt waste, justifying the acceptance of total organics as opposed to TCLP. This request included our laboratory superintendent's justification for the totals analysis which was requested in error. (Dated June 22, 1994.)

- A copy of NMOCD's approval to dispose of the soil from the Kutz Oil Water Separator.

SEE Envirotechs original permit request dated 6/28/94
SEE EPNG 1994 pit closure file

- A copy of Envirotech's Contaminated Soil Incoming Log which indicated three truckloads of soil (30 yards total) was transported to the landfarm from the Blanco Plant I.D. 1964 by Yucca Excavation on July 26, 1994.

- A copy of EPNG's request for Yucca Welding & Excavation to remove contaminated dirt from the Kutz Separator and haul to Envirotech landfarm. (Dated July 27, 1994.)

- A copy of Yucca Welding & Excavation's invoice, indicating they transported soil from the Kutz Oil Water Separator to Envirotech on July 26, 1994.

- A copy of the three bills of lading utilized by Yucca Welding & Excavation trucks to transport a total of 30 yards of soil to Envirotech on July 26, 1994. The bills of lading incorrectly did not specify the Kutz Oil Water Separator as the originating location.

I trust this information is sufficient to verify that the Blanco Plant I.D. 1964 is actually the soil disposed from the Kutz Oil Water Separator, under separate approval from NMOCD. I regret any inconvenience this may have caused. If you have any questions regarding this matter, you may reach me at 599-2141. Also, for your information, I have provided a copy of this letter along with all the enclosures to Denny Foust of NMOCD.

Sincerely,

Sandra D. Miller

Sandra D. Miller
Sr. Environmental Scientist

cc: Mr. Denny Foust, NMOCD

El Paso
Natural Gas Company

P. O. BOX 4990
FARMINGTON, NEW MEXICO 87499

June 3, 1994

Mr. Morris Young
Envirotech, Inc.
5796 US HWY 64
Farmington, NM 87401

Dear Mr. Young,

El Paso Natural Gas Co. hereby requests approval to dispose of hydrocarbon contaminated soil at your landfarm facility. The soil was excavated from the area around our Kutz Oil Water Separator which is located in Bloomfield, NM. Because the hydrocarbon source which affected the soil was not strictly exempt, I have enclosed analytical information which we have obtained on this material. Also, per your instructions, enclosed is a signed Certificate of Waste Status - Nonexempt Waste Material.

Please inform me as soon as possible when you have obtained approval from NMOCD so that the soil may be transported to your facility.

Sincerely,

Sandra D. Miller

Sandra D. Miller
Sr. Environmental Scientist

xc: W.D. Hall, EPNG
B.J. Armenta, EPNG

CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL

Originating Location: Kutz Oil Water Separator, Bloomfield, NM
Source: Spill from the Separator Holding Tank Overflow.
Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for ~~the~~ El Paso Natural Gas Co. concur with the status of the waste from the subject site.

Name Sandra D. Miller
Title/Agency Sr. Environmental Scientist
El Paso Natural Gas Co.
Address P.O. Box 4990
Farmington NM 87499
Signature Sandra D Miller
Date 6/3/94

92197

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ 8/9/94 (Submitting this form for oilfield exempt waste is optional) Frank Chavez	4. Generator Meridian Oil Inc
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site Val Verde Plant
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Envirotech
7. Location of Material (Street Address or ULSTR) A-14-T29N-R11W NMPM	8. State New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☐ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 8/9/94

BRIEF DESCRIPTION OF THE MATERIAL:

Continuation of Charcoal Filter Media

RECEIVED
AUG. 16 1994
OIL CON. DIV.
DIST. 3

Received 7cy. 8/10/94 Bol# 5040. Placed into LF#2 C-26.

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

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 8/10/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 8/16/94

APPROVED BY Sandra Buck TITLE Geologist DATE 8/16/94

CONDITIONS OF APPROVAL, IF ANY:

92197

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: Val Verde Plant

Source: Charcoal Filter Media for DEA Filtration

Disposal Location: Envirotech Soil Remediation Facility (ESRF) Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Meridian Oil Inc. concur with the status of the waste from the subject site.

Name Craig A. Bock
Title/Agency Assoc. Environmental Representative
Address PO 4289, Farmington, NM 87499-4289
Signature C A Bock
Date 8/9/94

FRANK CHAVEZ
NMOCD AUTHORIZED
Receival of This Filter
Media on August 9, 1994
TO Robert Young -
mcj

92147

Envirotech Exempt Waste Manifest
Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

Safety and Environmental

1. Waste Location: Lease/Well No. Val Verde Plant

2. Volume: 7 yds Cubic Yards _____ Barrels _____ Gallons

3. Description of Waste: Charcoal Filter Media

4. Method of Waste Generation: DEA Filtration

5. Disposal Cost: $16/yd^3$

6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal _____ (signature) Date 8/9/94

MOI Representive

Transportation Company: Envirotech

Date(s) Transported: 8-10-94

MOI Representative on Site _____ (signature) Date 8-10-94

Envirotech Complete and return to Meridian Safety and Environmental with invoice.

Date(s) Received: 8-10-94

Total Volume Received: 7 yds

Waste Location : ~~Cell~~/Grid No. C-26, Landfarm #2

Received By : _____ (signature)

92197

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ 8/5/94 (0805) Denny Foust (Submitting this form for oilfield exempt waste is optional)	4. Generator Meridian
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site Val Verde Plant
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Envirotech
7. Location of Material (Street Address or ULSTR) A-14-T29N-R11W, NMPM	8. State New Mexico

9. **Check One**

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☐ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 8/5/94

BRIEF DESCRIPTION OF THE MATERIAL:

Continuation of Charcoal Filter Media

RECEIVED
AUG 16 1994
OIL CON. DIV.
DIST. 3

Rec 8 cy on 8/5/94
Placed into LF #2
C-26. Box #4938.

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

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 8/11/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 8/16/94

APPROVED BY Ernie Busch TITLE Geologist DATE 8/18/94

CONDITIONS OF APPROVAL, IF ANY:

92197

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: Val Verde plant

Source: DEA Filtration System

Disposal Location: Envirotech Soil Remediation Facility (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Meridian Oil Inc. concur with the status of the waste from the subject site.

Name Craig A. Bock
Title/Agency Assoc. Environmental Representative
Address PO 4289, Farmington, NM 87499-4289
Signature C. A. Bock
Date 6/4/94

92197

Envirotech Exempt Waste Manifest
Meridian Oil Inc.
PO Box 4289, Farmington, NM 87499

Safety and Environmental

1. Waste Location: Lease/Well No. val verde plant
2. Volume: 8 Cubic Yards _____ Barrels _____ Gallons
3. Description of Waste: Charcoal filter Media
4. Method of Waste Generation: DEA filtration of the val verde plant.
5. Disposal Cost: $16/yd^3$
6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal C. A. Bond (signature) Date 8/5/94

MOI Representive

Transportation Company: Envirotech

Date(s) Transported: 8-5-94

MOI Representative on Site Bill Hackenbrick (signature) Date 8-5-94

Envirotech
Complete and return to Meridian Safety and Environmental with invoice.

Date(s) Received: Envirotec Inc.

Total Volume Received: 8 yds

Waste Location : Cell/Grid No. LF#2 ~~B-25~~ C-26

Received By : James A. Mullins (signature)

Chr... Enstice 92132

REQUEST FOR APPRO... TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXXX

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

4. Generator: Halliburton Services

2. Destination: Land Farm # 2 Envirotech Soil Remediation Facility

5. Name of Originating Site: Farmington Yard

3. Address of Facility Operator: 5796 US Hwy. 64-3014 Farmington, New Mexico 87401

6. Name of Transporter: Envirotech INC

7. Location of Material (Street Address or ULSTR): 4109 E. Main, Farmington, NM 87401

8. State: New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☒ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 7/94

BRIEF DESCRIPTION OF THE MATERIAL:

TCLP of Material Already on file at OCD office - Attached (7/27/93 Sample date

Continuation of Solids generated from wash bay operations at Farmington Yard (4109 E. Main).

RECEIVED
AUG 15 1994
OIL CON. DIV.
DIST. 3

RECEIVED
JUL 27 1994
OIL CON. DIV.
DIST. 3

Hauled 8/19/94

Estimated Volume 50 yd³ Known Volume (to be entered by the operator at the end of the haul): 36 yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 7/26/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 7/28/94

APPROVED BY Chris Eustice TITLE Geologist DATE 8/12/94

CONDITIONS OF APPROVAL, IF ANY: This should still be valid TCLP but will they need new test for next disposal ??

SF 7/28/94

92132

REQUEST FOR APPR[illegible]L TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒ (Submitting this form for oilfield exempt waste is optional)	4. Generator Halliburton Services
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site Farmington Yard
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Envirotech INC
7. Location of Material (Street Address or ULSTR) 4109 E. Main, Farmington, NM 87401	8. State New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☐ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 7/94

BRIEF DESCRIPTION OF THE MATERIAL:

TCLP of Material Already on file at OCD office - Attached (7/27/93 Sample date)

Continuation of Solids generated from wash bay operations at Farmington Yard (4109 E. Main).

RECEIVED
JUL 27 1994
OIL CON. DIV.
DIST. 3

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

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 7/26/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 7/28/94

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Santa Fe 7/28/94

LF E-11 92132

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATIC

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

Originating Location: 4109 E Main - Halliburton Service

Source: Wash Rack Solids

Dispcsal Location: Envirctech Soil Remediation Facility. (ESRF)
Hillton, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR,Part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for the Halliburton Services concur with the status of the waste from the subject site.

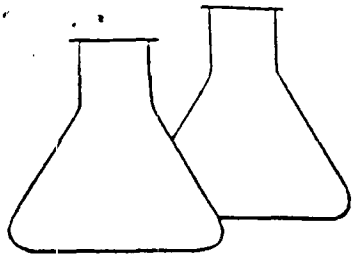
Name Gary L. Morris

Title/Agency H.R. / H.S.E.

Address 4109 E Main
Farmington, New Mex 87401

Signature Gary L. Morris

Date 8-4-93



ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

LF2 G-11 92132

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

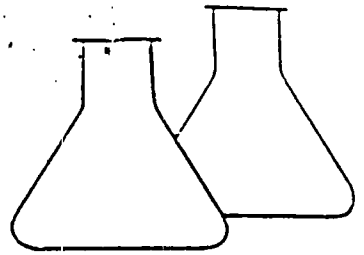
Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay	Date Reported:	07-28-93
Laboratory Number:	5760	Date Sampled:	07-27-93
Sample Matrix:	Soil	Date Received:	07-27-93
Preservative:	Cool	Date Extracted:	07-27-93
Condition:	Cool & Intact	Date Analyzed:	07-28-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.015	0.2
2-Butanone	ND	0.007	200
1,1-Dichloroethene	ND	0.006	0.7
Chloroform	ND	0.011	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	0.006	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	97 %
Bromofluorobenzene	95 %

CF2 C-11



ENVIRO-TECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Sample ID: Wash Bay
Laboratory Number: 5760

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments: Wash Bay, Farminton Yard

Analyst

Review

LF2 C-11

ENVIRO-TECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay	Date Reported:	07-30-93
Laboratory Number:	5760	Date Sampled:	07-27-93
Sample Matrix:	Soil	Date Received:	07-27-93
Preservative:	Cool	Date Extracted:	07-27-93
Condition:	Cool & Intact	Date Analyzed:	07-30-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	ND	0.020	100.0

SURROGATE RECOVERIES:

Parameter	Percent Recovery
2-fluorophenol	93 %
2,4,6-tribromophenol	92 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

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

ND - Parameter not detected at the stated detection limit.

Comments: Wash Bay, Farmington Yard

Analyst

Review

LF3 C-11

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay	Date Reported:	07-30-93
Laboratory Number:	5760	Date Sampled:	07-27-93
Sample Matrix:	Soil	Date Received:	07-27-93
Preservative:	Cool	Date Extracted:	07-27-93
Condition:	Cool and Intact	Date Analyzed:	07-29-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	96 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Method 8090, Nitroaromatics and Cyclic Ketones, 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

ND - Parameter not detected at the stated detection limit.

Comments: Wash Bay, Farmington Yard

Analyst

Review

(F2 C-11

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay	Date Reported:	08-02-93
Laboratory Number:	5760	Date Sampled:	07-27-93
Sample Matrix:	Soil	Date Received:	07-27-93
Preservative:	Cool	Date Analyzed:	07-30-93
Condition:	Cool & Intact	Date Extracted:	07-27-93
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	0.016	0.001	5.000
BARIUM	4.2	0.1	100.0
CADMIUM	0.097	0.001	1.000
CHROMIUM	0.012	0.001	5.000
LEAD	0.025	0.001	5.000
MERCURY	0.006	0.002	0.200
SELENIUM	0.012	0.001	1.000
SILVER	ND	0.01	5.00

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

Methods 7060A, 7080A, 7131A, 7191, 7470A, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

Method 1311, Toxicity Characteristic Leaching Procedure SW-846, USEPA, Nov. 1990

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments: Wash Bay, Farmington Yard

Analyst

Review

LF 2 E-11

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

RCRA CHARACTERISTICS

Client:	Halliburton Wash Bay	Project #:	92132
Sample ID:	Wash Bay	Date Reported:	07-27-93
Lab ID#:	5760	Date Sampled:	07-27-93
Sample Matrix:	Soil	Date Received:	07-27-93
Preservative:	Cool	Date Analyzed:	07-27-93
Condition:	Cool & Intact		

IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: pH of 7.20

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

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: ≤ pH 2 or ≥ pH 12.5 is hazardous waste.

Farmington Yard.

Analyst

Reviewed

ENVIROTECH LABORATORIES

5796 U.S. HIGHWAY 64-3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	07-29-93
Laboratory Number:	0728tcv.blk	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	07-28-93
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.015	0.2
2-Butanone	ND	0.007	200
1,1-Dichloroethene	ND	0.006	0.7
Chloroform	ND	0.011	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	89 %
Bromofluorobenzene	105 %

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Sample ID: Laboratory Blank
Laboratory Number: 0728tcv.blk

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	07-30-93
Laboratory Number:	0730tca.blk	Date Sampled:	NA
Sample Matrix:	2-Propanol	Date Received:	NA
Preservative:	NA	Date Analyzed:	07-30-93
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	ND	0.020	100.0

SURROGATE RECOVERIES:

Parameter	Percent Recovery
2-fluorophenol	98 %
2,4,6-tribromophenol	100 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	07-30-93
Laboratory Number:	0728tbn.blk	Date Sampled:	NA
Sample Matrix:	Hexane	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	07-29-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:

Parameter	Percent Recovery
2-fluorobiphenyl	104 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Method 8090, Nitroaromatics and Cyclic Ketones, 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

ND - Parameter not detected at the stated detection limit.

Comments:

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - BLANKS

Client:	NA	Project #:	NA
Sample ID:	Blanks	Date Reported:	08-02-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	07-30-93
Condition:	NA	Date Extracted:	NA

Parameter	Instrument Blank (mg/L)	Extraction Sol. Blank (mg/L)	Det. Limit (mg/L)
ARSENIC	ND	ND	0.001
BARIUM	ND	ND	0.1
CADMIUM	ND	ND	0.001
CHROMIUM	ND	ND	0.001
LEAD	ND	ND	0.001
MERCURY	ND	ND	0.002
SELENIUM	ND	ND	0.001
SILVER	ND	ND	0.01

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

Methods 7060A, 7080A, 7131A, 7191, 7470A, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

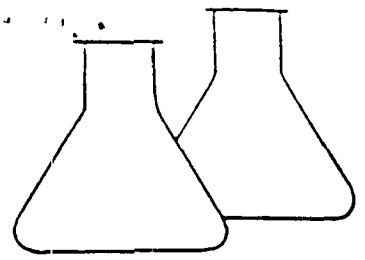
Method 1311, Toxicity Characteristic Leaching Procedure SW-846, USEPA, Nov. 1990

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	07-29-93
Laboratory Number:	0727TCV.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	07-27-93
Condition:	Cool & Intact	Date Analyzed:	07-28-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.015	0.2
2-Butanone	ND	0.007	200
1,1-Dichloroethene	ND	0.006	0.7
Chloroform	ND	0.011	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	90 %
Bromofluorobenzene	94 %

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Sample ID: Method Blank
Laboratory Number: 0727TCV.MB

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Sclid Waste, SW-846, USEPA, Sept. 1986

Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	07-30-93
Laboratory Number:	0727TCA.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	07-27-93
Condition:	Cool & Intact	Date Analyzed:	07-30-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	ND	0.020	100.0

SURROGATE RECOVERIES:

Parameter	Percent Recovery
2-fluorophenol	108 %
2,4,6-tribromophenol	102 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	07-30-93
Laboratory Number:	0727BN.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	07-27-93
Condition:	Cool and Intact	Date Analyzed:	07-29-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:

Parameter	Percent Recovery
2-fluorobiphenyl	87 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Method 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

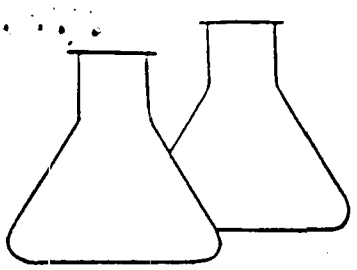
Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction and 8090 Concentration Method Blank

Analyst

Review



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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	08-02-93
Laboratory Number:	07-27-MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	NA	Date Analyzed:	07-30-93
Condition:	NA	Date Extracted:	07-27-93
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	ND	0.001	5.000
BARIUM	ND	0.1	100.0
CADMIUM	ND	0.001	1.000
CHROMIUM	ND	0.001	5.000
LEAD	ND	0.001	5.000
MERCURY	ND	0.002	0.200
SELENIUM	ND	0.001	1.000
SILVER	ND	0.01	5.00

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

Methods 7060A, 7080A, 7131A, 7191, 7470A, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

Method 1311, Toxicity Characteristic Leaching Procedure SW-846, USEPA, Nov. 1990

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank

Analyst

Review

ENVIROTECH LABS
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

** QUALITY ASSURANCE EPA METHODS 8010/8020
MATRIX SPIKE - AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Spike	Date Reported:	07-29-93
Laboratory Number:	5760-S-TCV.	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	07-28-93
Condition:	NA		

Parameter	Sample Result (ug/L)	Spike Added (ug/L)	Spiked Sample Result (ug/L)	Det. Limit (ug/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	10.0	15.7	15.3	101	28-163
2-Butanone	ND	10.0	11.1	6.7	92	47-132
1,1-Dichloroethene	ND	10.0	10.9	6.4	95	43-143
Chloroform	ND	10.0	11.2	11.2	112	49-133
Carbon Tetrachloride	ND	10.0	8.7	5.0	87	43-143
Benzene	ND	10.0	10.8	5.1	105	39-150
1,2-Dichloroethane	ND	10.0	8.4	5.0	84	51-147
Trichloroethene	ND	10.0	10.4	5.0	104	35-146
Tetrachloroethene	5.7	10.0	17.6	5.2	112	26-162
Chlorobenzene	ND	10.0	11.0	5.0	110	38-150
1,4-Dichlorobenzene	ND	10.0	10.4	5.0	104	42-143

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

QUALITY ASSURANCE REPORT
EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - MATRIX SPIKE

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	08-02-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	07-30-93
Condition:	NA	Date Extracted:	NA

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
ARSENIC	0.100	0.003	0.108	105
BARIUM	10.0	3.8	13.9	101
CADMIUM	0.050	0.014	0.064	100
CHROMIUM	0.100	ND	0.099	99
LEAD	0.100	0.008	0.103	95
MERCURY	0.025	0.003	0.027	96
SELENIUM	0.100	ND	0.101	101
SILVER	1.00	0.01	1.01	100

QA ACCEPTANCE CRITERIA:

Parameter	Acceptance Range %
TCLP Metals	80 - 120

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

Methods 7060A, 7080A, 7131A, 7191, 7470A, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

Method 1311, Toxicity Characteristic Leaching Procedure SW-846, USEPA, Nov. 1990

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

2860

CHAIN OF CUSTODY RECORD

Project Name	Project Location
H/L BURTON WASH BAY	FARMINGTON YARD

Sampler: (Signature)	Chain of Custody Tape No.
Mavis D. Young	92132

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TCLP						ANALYSIS/PARAMETERS	Remarks
WASH BAY	7/27/93	11:45	5760	Soil	1	✓							No PEST or HERB

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Mavis D Young	7/27/93	13:28	Tony Tristano	7/27/93	1330 1300
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

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

san juan repro Form 578 81

92115-03

REQUEST FOR APPR[illegible]L TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ Denny Foust 7/25/94 (Submitting this form for oilfield exempt waste is optional)	4. Generator Meridian OIL INC
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site McGrath Injection Well
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter SUNCO
7. Location of Material (Street Address or ULSTR) (B) S34-T30N-R12W	8. State NM

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☐ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 7/25/94

BRIEF DESCRIPTION OF THE MATERIAL:

Contination of Bottom Sludge From Injection Well.

RECEIVED
JUN-2 0 1994
OIL CON. DIV.
DIST. 3

Rec 400 bbl on 7/25/94. Stabilized in Blending Facility on 7/25/94. Total of 380 cubic yards transported to LF #2 C-24, C-25.

Estimated Volume 400 bbl yd³ Known Volume (to be entered by the operator at the end of the haul): 380 ± yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 7/25/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 7/29/94

APPROVED BY Ernie Busch TITLE " DATE 8/8/94

CONDITIONS OF APPROVAL, IF ANY:

ENVIROTECH INC.

92115-03

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 • 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: McGrath SWD #4

Source: Injection Well Solids

Disposal Location: Envirotech Soil Remediation Facility (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Meridian Oil Inc. concur with the status of the waste from the subject site.

Name Craig A. Beck
Title/Agency Assoc. Environmental Representative
Address 2198289, Farmington, NM, 87499-4289
Signature
Date 7.27.94

Envirotech Exempt Waste Manifest
Meridian Oil Inc.

92115-03

PO Box 4289, Farmington, NM 87499

Safety and Environmental

1. Waste Location: Lease/Well No. McGath SWD #4

2. Volume: ____ Cubic Yards 400 (Barrels) ____ Gallons

3. Description of Waste: Filtered sludge & solids mixture

4. Method of Waste Generation: Solids separation from incoming fluids to be disposed of in an injection well

5. Disposal Cost: $/bbl/yd^3$

6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal C. J. A. Bark (signature) Date 7/27/94

MOI Representive

Transportation Company: Sun Co

Date(s) Transported: 7/25/94

MOI Representative on Site _____ (signature) Date ____

Envirotech
Complete and return to Meridian Safety and Environmental with invoice.

Date(s) Received: 7/25/94

Total Volume Received: 400bbl

Waste Location : Cell/Grid No. LF#2 C-24, C-25

Received By : Charles Mullnix (signature)

MERIDIAN OIL ID:505-326-9725 JUL 28'94 10:31 No.004 P.02

92115-03

CERTIFICATE OF WASTE TRANSPORT

Originating Location: McGrath #4 S.W.D

Source of Contamination: _____

Generator: Meridian Oil

Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 ✓

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Scott MAGRUDER

Company: Dawn Trucking

_____

Signature: Scott Magruder

Date: 7/25/94

92115-03

CERTIFICATE OF WASTE TRANSPORT

Originating Location: McGrath #4 S.W.D

Source of Contamination: _____

Generator: Meridian Oil

Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 ✓

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Stan McAdam

Company: Dawn Trucking #202

_____

Signature: Stan McAdam

Date: 7/25/94

92197

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ 7/15/94 Denny Foust (Submitting this form for oilfield exempt waste is optional)	4. Generator Meridian Oil INC
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site Val Verde Plant
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Envirotech
7. Location of Material (Street Address or ULSTR) A-14-T29N-R11W	8. State NM

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☐ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 7/15/94

BRIEF DESCRIPTION OF THE MATERIAL:

Continuation of Charcoal Filter Media

RECEIVED
JUL 20 1994
OIL CON. DIV.
DIST. 3

Rec 7.5cy
7/15/94
BOL 4871
LF#2 C-24

Estimated Volume 7.5 yd³ Known Volume (to be entered by the operator at the end of the haul): 7.5 yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 7/15/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny O. Foust TITLE Geologist DATE 7/21/94

APPROVED BY Lewis B. Gunn TITLE Geologist DATE 7/21/94

CONDITIONS OF APPROVAL, IF ANY:

92197

Envirotech Exempt Waste Manifest
Meridian Oil Inc.
PO Box 4289, Farmington, NM 87499

Safety and Environmental

1. Waste Location: Lease/Well No. Val Verde Plant

2. Volume: 7.5 (Cubic Yards) Barrels Gallons

3. Description of Waste: DEA Filter media (Activated Charcoal)

4. Method of Waste Generation: DEA filtration

5. Disposal Cost: $16/yd^3$

6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal C. H. Bard (signature) Date 7/15/94

MOI Representative

Transportation Company: ENVIROTECH

Date(s) Transported: 7-15-94

MOI Representative on Site Dennis Paulson (signature) Date 7/15/94

Envirotech Complete and return to Meridian Safety and Environmental with invoice.

Date(s) Received: 7-15-94

Total Volume Received: 7.5 C yds

Waste Location: Cell/Grid No. Landfarm #2 C-24

Received By: James A. Mullins (signature)

E-S-2 & S20

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: Val Verde Plant

Source: DEA Eidenbon

Disposal Location: Envirotech Soil Remediation Facility (ESRF) Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Meridian Oil Inc. concur with the status of the waste from the subject site.

Name Craig A. Beck
Title/Agency Assoc. Environmental Representative
Address P.O. Box 4289, Farmington New Mexico, 87499-4289
Signature C. A. Beck
Date 7/15/94

92197

CERTIFICATE OF WASTE TRANSPORT

Originating Location: Meridian Val Verde Plant
Source of Contamination: Charcoal Filter Media

Generator: Meridian OIL INC

Disposal Location: Envirotech Soil Remediation Facility, Hilltop, New Mexico
Landfarm #1_____ Landfarm #2 X Landfarm #3_____

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name Sam Ray Jr
Company Envirotech
Signature Sam Ray Jr.
Date 7/15/94

545

91414-03

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXXX

1. RCRA Exempt: ☒ Non-Exempt: ☐
   Verbal Approval Received: Yes ☒ No ☐ Denny Foust 12/20/94 Rmg.
   (Submitting this form for oilfield exempt waste is optional)

2. Destination
   Land Farm # 2 Envirotech Soil Remediation Facility

3. Address of Facility Operator
   5796 US Hwy. 64-3014 Farmington, NM 87401

4. Name of Transporter
   Envirotech, Inc

5. Generator CIP / Williams Field Service

6. Name of Originating Site
   Rosa 99Y-Gobernador District

7. Originating Location of Material (Street Address or ULSTR)
   S26, T31N, R6W, NMPM.

8. State
   New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

Projected Dates(s) for Transportation: 12/94

BRIEF DESCRIPTION OF THE MATERIAL:

Calcium Carbonate Residues from evaporation of produced water from Steamer.

BOL 5715
22 cy
placed LF#2 F14

RECEIVED
JAN 25 1995
OIL CON. DIV.
DIST. 3

Estimated Volume 8 yd³ Known Volume (to be entered by the operator at the end of the haul): 22 cy yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 12/19/94

TYPE OR PRINT NAME Robert Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 1/25/95

APPROVED BY Ernie Busch TITLE Geologist DATE 1/25/95

CONDITIONS OF APPROVAL, IF ANY:

Have IKE PADILLA SIGN A CERTIFICATION OF WASTE STATUS PRIOR TO SHIPMENT.

RECEIVED JAN 05 1995

ENVIROTECH INC.

91414-03

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: Rosa 99Y - Gobernador District

Source: Calcium Carbonate from evaporation of produced water from Steamer

Disposal Location: Envirotech Soil Remediation Facility, (ESRF) Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Williams Field Service / CIP concur with the status of the waste from the subject site.

Name John McKinney
Title/Agency Gobernador Supt.
Address PO 215 Bloomfield N. Mex 87413
Signature John McKinney
Date 1-3-95

91414-03

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: Rosa 99Y - Gobernador District

Source: Calcium Carbonate from evaporation of produced water from Steamer

Disposal Location: Envirotech Soil Remediation Facility, (ESRF) Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Williams Field Service /CIP concur with the status of the waste from the subject site.

Name Isaac F Padilla
Title/Agency V. Pres
CIP INC.
Address 5631 U.S HIWAY 64
Farmington, N. M. 87401
Signature Isaac F Padilla
Date 1-4-1994

04047

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ (Submitting this form for oilfield exempt waste is optional) Approval Previously Received from Denny Foust NMOCD	4. Name of Transporter Doug Foutz
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Generator El Paso Natural Gas
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, NM 87401	6. Name of Originating Site Various Pits
7. Originating Location of Material (Street Address or ULSTR) See Attached List	8. State New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

Projected Dates(s) for Transportation: December 1994

BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated soil From various dehydrator and drip pits in the State of New Mexico.

For December 1994

RECEIVED
JAN 18 1995
OIL CON. DIV.
DIST. 3

Estimated Volume _____ yd³ Known Volume (to be entered by the operator at the end of the haul):- 911 yd³

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

SIGNATURE Helen M Brown for RMY TITLE Land Farm Supervisor DATE 1-17-95

TYPE OR PRINT NAME Robert Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 1/18/95

APPROVED BY Ernie Busch TITLE Geologist DATE 1/18/95

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED JAN 05 1995

ENVIROTECH INC.

04047

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: A list of pit closure sites is attached. December 1994.

Source: Various dehydrator and drip pits in the State of New Mexico.

Disposal Location: Envirotech Soil Remediation Facility, (ESRF) Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for the El Paso Natural Gas Company concur with the status of the waste from the subject site.

Name Sandra D. Miller

Title/Agency SR. Environmental Scientist
El Paso Natural Gas Company

Address P.O. Box 4990
Farmington, NM 87499

Signature Sandra D Miller

Date January 4, 1995

04047

Page No. 1

CLOSED	METER	METER2	LOCATION	S_T_R_L
12/01/94	71579		Rincon U #68	27-27-07-P
12/01/94	71447		Rincon U #67	22-27-02-I
12/01/94	71446		Rincon U #66	22-27-07-H
12/02/94	70651		Rincon U #22	23-27-07-K
12/02/94	71580		Rincon U #70	27-27-07-A
12/02/94	71578		Rincon U #65	23-27-07-O
12/05/94	14269		South Lybrook Station	25-23-07
12/08/94	70892		Rincon U #31	36-27-07-P
12/08/94	71592		Rincon U #62	28-27-06-P
12/13/94	71895		Rincon U #98	21-27-06-A
12/13/94	71125		Rincon U #53	22-27-06-J
12/13/94	73310		Rincon U #141	27-27-06-C
12/13/94	73108		Rincon U #162	27-27-06-K
12/14/94	73114		Rincon U #153	28-27-06-A
12/14/94	72238		Rincon U #120	22-27-06-E
12/19/94	N/A		Lat L 1 Drip Y1	05-29-07-K
12/19/94	90142		State Com #46	16-29-08-H

04047

ENVIROTECH SOIL REMEDIATION FACILITY
HILLTOP, NEW MEXICO
EPNG (04047) TRACKING LOG 12/94

DECEMBER 1994
LANDFARM #2

COORDINATES T-R-S-L	METER # (s)	PIT NAME	CLOSURE DATE	QUANTITY CUBIC YARDS	DESTINATION (LANDFARM : CELL)
22-27-02-I	71447	RINCON U #67	12-01-94	10	LF #2: O13
27-27-07-P	71579	RINCON U #68	12-01-94	70	LF #2: O13
22-27-07-H	71446	RINCON U #66	12-01-94	50	LF #2: O13
27-27-07-A	71580	RINCON U #70	12-01-94	80	LF #2: O12, O13
23-27-07-O	71578	RINCON U #65	12-01-94	80	LF #2: O12, O13
23-27-07-O	71578	RINCON U #65	12-02-94	10	LF #2: O12
27-27-07-A	71580	RINCON U #70	12-02-94	20	LF #2: O12
23-27-07-K	70651	RINCON U #22	12-02-94	70	LF #2: O12
36-27-07-P	70892	RINCON U #31	12-02-94	30	LF #2: O12
25-23-07	14269	SOUTH LYBROOK STATION	12-05-94	1	LF #2: O12
36-27-07-P	70892	RINCON U #31 ✓	12-08-94	40	LF #2: N15
28-27-06-P	71592	RINCON U #62	12-08-94	50	LF #2: N15
28-27-06-P	71592	RINCON U #62	12-09-94	10	LF #2: N14
27-27-06-K	73108	RINCON U #162 ✓	12-13-94	70	LF #2: N15
22-27-06-J	71125	RINCON U #53	12-13-94	30	LF #2: N15
27-27-06-C	73310	RINCON U #141 ✓	12-13-94	60	LF #2: N14, N15
21-27-06-A	71895	RINCON U #98	12-13-94	70	LF #2: N14, N15
22-27-06-E	72238	RINCON U #120 ✓	12-14-94	20	LF #2: Q16
28-27-06-A	73114	RINCON U #153 ✓	12-14-94	50	LF #2: Q16
05-29-07-K	N/A	LAT L-1 DRIP Y-1 ✓	12-19-94	30	LF #2: Q16
16-29-08-H	90142	STATE COM #46 ✓	12-19-94	60	LF #2: Q16

TOTAL YARDAGE THIS PAGE: 911

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXXX

1. RCRA Exempt: ☒ Non-Exempt: ☐
Verbal Approval Received: Yes ☒ No ☐
(Submitting this form for oilfield exempt waste is optional)
12-19-94 7:21 Denny Foust

4. Generator: Gas Company of N.M.

2. Destination: Land Farm # 2 Envirotech Soil Remediation Facility

5. Name of Originating Site: A Brams Gas Com L-1-E

3. Address of Facility Operator: 5796 US Hwy. 64-3014 Farmington, New Mexico 87401

6. Name of Transporter: Gas Company of N.M.

7. Location of Material (Street Address or ULSTR): County Rd 4990 (Old Sullivan Road)

8. State: New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☐ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation:

BRIEF DESCRIPTION OF THE MATERIAL:

Behive - seperator pit. siogle seperator in meter house. Probably haul 12-19-94

Hauled By Diamond D. Const.

BOL	Vol	Placement	Date
5566	76cy	LF#2 J-22	12-23
5568	60cy	LF#2 J-22	12-27
5614	40cy	LF#2 J-22	12-28
5616	100cy	LF#2 J-22	12-29
5618	60cy	LF#2 J-22	12-30
5618	20cy	LF#2 K-22	12-30
5619	100cy	LF#2 K-22	1-3
5621	40cy	LF#2 K-22	1-4

RECEIVED
JAN 06 1995
OIL CON. DIV.
DIST. 3

Estimated Volume 300-600 yd³ yd³ Known Volume (to be entered by the operator at the end of the haul): 496 yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 12/19/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 1-6-95

APPROVED BY Jim Ruth TITLE Geologist DATE 1-6-95

CONDITIONS OF APPROVAL, IF ANY:

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

GAS CO OF N.M. 5056324234 DEC 13'94 7:47 No.005 P.02

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: ABRAMS GAS COM L1

Source: Dehydrator/Separator pit

Disposal Location: Envirotech Soil Remediation Facility, (ESRF) Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for GAS CO OF NEW MEXICO concur with the status of the waste from the subject site.

Name DENVER BRADFORD
Title/Agency ENVIRONMENTAL TECH III
Address P.O. BOX 1899 BLOOMFIELD NEW MEX 87413
Signature [signature]
Date 12/19/94

92101 Eustice

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒ (Submitting this form for oilfield exempt waste is optional)	4. Generator Western Co. of North America
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site Western Co..
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Envirotech
7. Location of Material (Street Address or ULSTR) 3250 South Side River Road, Farmington, NM 87401	8. State

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☒ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 1/95

BRIEF DESCRIPTION OF THE MATERIAL:

Continuation of Floor Sweep from Shop and yard sp. 11's.

— TCLP Previously Submitted (3/18/94 Sample date).

RECEIVED JAN 04 1995 OIL CON. DIV. DIST. 3

RECEIVED DEC 15 1994 OIL CON. DIV. DIST. 3

Estimated Volume 11 dry drums (2.25cy) yd³ Known Volume (to be entered by the operator at the end of the haul): 8 dry drums 2' yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 12/14/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 12/15/94

APPROVED BY [illegible] TITLE GEOLOGIST DATE 12/28/94

CONDITIONS OF APPROVAL, IF ANY:

92101

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒ (Submitting this form for oilfield exempt waste is optional)	4. Generator Western Co. of North America
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site Western Co..
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Envirotech
7. Location of Material (Street Address or ULSTR) 3250 South Side River Road, Farmington, NM 87401	8. State

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☒ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 11/15

BRIEF DESCRIPTION OF THE MATERIAL:

Continuation of Floor Sweep from Shop and yard sp. 11/5.

— TCLP Previously Submitted (3/18/94 Sample date).

RECEIVED
DEC 15 1994
OIL CON. DIV.
DIST. 3

Estimated Volume 11 dry drums (2.25cy) yd³ Known Volume (to be entered by the operator at the end of the haul): _____ yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 12/14/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 12/14/94

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

92101

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: Western Co. 3250 South Side River Road, Farmington, NM

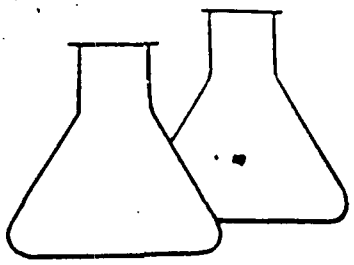
Source: Floor Sweep.

Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for _____ concur with the status of the waste from the subject site.

Name Les Baugh
Title/Agency Facilities Supervisor
Address 3250 Southside River Road
Farmington, New Mex. 87401
Signature Les Baugh
Date 9/10/94



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

RCRA CHARACTERISTICS

Client:	Western Company	Project #:	92101
Sample ID:	Floor Sweep	Date Reported:	03-21-94
Lab ID#:	7073	Date Sampled:	03-18-94
Sample Matrix:	Soil	Date Received:	03-18-94
Preservative:	Cool	Date Analyzed:	03-21-94
Condition:	Cool & Intact		

IGNITABILITY: Did not ignite upon direct contact with flame after heating to 60oc.

CORROSIVITY: pH of 7.12

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

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: ≤ pH 2 or ≥ pH 12.5 is hazardous waste.

5 - point Composite

Analyst

Reviewed

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	Western Company	Project #:	92101
Sample ID:	Floor Sweep	Date Reported:	03-22-94
Laboratory Number:	7073	Date Sampled:	03-18-94
Sample Matrix:	Soil	Date Received:	03-18-94
Preservative:	Cool	Date Extracted:	03-21-94
Condition:	Cool and Intact	Date Analyzed:	03-22-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.006	0.2
1,1-Dichloroethene	ND	0.006	0.7
2-Butanone	0.055	0.007	200
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethane	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	99 %
Bromofluorobenzene	97 %

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments: 3250 Southside River Road 5-point composite

ENVIROTECH LABS
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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Western Company	Project #:	92101
Sample ID:	Floor Sweep	Date Reported:	03-28-94
Laboratory Number:	7073	Date Sampled:	03-18-94
Sample Matrix:	Soil	Date Received:	03-18-94
Preservative:	Cool	Date Analyzed:	03-23-94
Condition:	Cool & Intact	Date Extracted:	03-21-94
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	0.003	0.001	5.000
BARIUM	0.1	0.1	100.0
CADMIUM	0.001	0.001	1.000
CHROMIUM	0.006	0.001	5.000
LEAD	ND	0.001	5.000
MERCURY	ND	0.002	0.200
SELENIUM	ND	0.001	1.000
SILVER	ND	0.01	5.00

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

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

ND - Parameter not detected at the stated detection limit.

Comments: 3250 Southside River Rd 5-Point Composite

Analyst

Review

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EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	Western Company	Project #:	92101
Sample ID:	Floor sweep	Date Reported:	04-03-94
Laboratory Number:	7073	Date Sampled:	03-18-94
Sample Matrix:	Soil	Date Received:	03-18-94
Preservative:	Cool	Date Extracted:	03-21-94
Condition:	Cool & Intact	Date Analyzed:	04-03-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.022	3.0
Nitrobenzene	ND	0.020	3.0
Hexachlorobutadiene	0.10	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	0.03	0.020	0.13

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments: 3250 Southside River Rd.
5 point composite

Analyst

Review

ENVIROTECH LABS
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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	Western Company	Project #:	92101
Sample ID:	Floor Sweep	Date Reported:	04-04-94
Laboratory Number:	7073	Date Sampled:	03-18-94
Sample Matrix:	Soil	Date Received:	03-18-94
Preservative:	Cool	Date Extracted:	03-21-94
Condition:	Cool & Intact	Date Analyzed:	04-03-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	3.0	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.025	100.0

SURROGATE RECOVERY	Parameter	Percent Recovery
	2-fluorophenol	117 %
	2,4,6-tribromophenol	114 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments: 3250 Southside River Rd.
5-point composite

Analyst

Review

ENVIROTECH LABS
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PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	03-22-94
Laboratory Number:	0322TCV.BLK	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	03-22-94

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.006	0.2
1,1-Dichloroethene	ND	0.007	0.7
2-Butanone	ND	0.006	200
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethane	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	97 %
Bromofluorobenzene	98 %

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	03-22-94
Laboratory Number:	0321TCV.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	03-21-94
Condition:	Cool and Intact	Date Analyzed:	03-22-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.006	0.2
1,1-Dichloroethene	ND	0.006	0.7
2-Butanone	ND	0.007	200
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethane	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	98 %
Bromofluorobenzene	99 %

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

** QUALITY ASSURANCE — EPA METHODS 8010/8020
MATRIX SPIKE - AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Spike	Date Reported:	03-22-94
Laboratory Number:	7071-S-TCV	Date Sampled:	03-18-94
Sample Matrix:	Soil	Date Received:	03-18-94
Analysis Requested:	TCLP	Date Analyzed:	03-22-94
Condition:	NA		

Parameter	Sample Result (ug/L)	Spike Added (ug/L)	Spiked Sample Result (ug/L)	Det. Limit (ug/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	10.0	12.0	6.4	99	28-163
1,1-Dichloroethene	ND	10.0	10.4	6.5	100	43-143
2-Butanone	49.1	10.0	58.0	5.7	98	47-132
Chloroform	ND	10.0	9.9	5.0	99	49-133
Carbon Tetrachloride	ND	10.0	9.2	5.0	92	43-143
Benzene	ND	10.0	9.4	5.1	94	39-150
1,2-Dichloroethane	ND	10.0	9.4	5.0	94	51-147
Trichloroethene	ND	10.0	9.6	5.0	96	35-146
Tetrachloroethene	ND	10.0	10.0	5.0	99	26-162
Chlorobenzene	ND	10.0	9.4	5.0	94	38-150
1,4-Dichlorobenzene	ND	10.0	9.8	5.0	98	42-143

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

ENVIROTECH LABS
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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - BLANKS

Client:	NA	Project #:	NA
Sample ID:	Blanks	Date Reported:	03-28-94
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	03-23-94
Condition:	NA	Date Extracted:	NA

Parameter	Instrument Blank (mg/L)	Extraction Sol. Blank (mg/L)	Det. Limit (mg/L)
ARSENIC	ND	ND	0.001
BARIUM	ND	ND	0.1
CADMIUM	ND	ND	0.001
CHROMIUM	ND	ND	0.001
LEAD	ND	ND	0.001
MERCURY	ND	ND	0.002
SELENIUM	ND	ND	0.001
SILVER	ND	ND	0.01

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

QUALITY ASSURANCE REPORT
EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - MATRIX SPIKE

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	03-28-94
Laboratory Number:	NA	Date Sampled:	03-18-94
Sample Matrix:	TCLP Extract	Date Received:	03-18-94
Analysis Requested:	TCLP	Date Analyzed:	03-23-94
Condition:	NA	Date Extracted:	03-21-94

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
ARSENIC	0.100	0.007	0.106	99
BARIUM	10.0	3.18	13.1	99
CADMIUM	0.100	0.014	0.112	98
CHROMIUM	0.100	ND	0.101	101
LEAD	0.100	0.008	0.107	99
MERCURY	0.100	ND	0.098	98
SELENIUM	0.100	0.002	0.102	100
SILVER	1.00	ND	0.975	98

QA ACCEPTANCE CRITERIA:

Parameter	Acceptance Range %
TCLP Metals	80 - 120

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

ND - Parameter not detected at the stated detection limit.

Comments:

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	04-03-94
Laboratory Number:	0402TBN.BLK	Date Sampled:	NA
Sample Matrix:	Hexane	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	04-02-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.022	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	N/A	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	04-03-94
Laboratory Number:	0316TBN.MB	Date Sampled:	N/A
Sample Matrix:	Sand	Date Received:	N/A
Preservative:	N/A	Date Extracted:	03-16-94
Condition:	N/A	Date Analyzed:	04-02-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.022	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

Method: 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 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Tony Tustin
Analyst

David D Young
Review

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	04-04-94
Laboratory Number:	0403TCA.BLK	Date Sampled:	NA
Sample Matrix:	2-Propanol	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	04-03-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.025	100.0

SURROGATE RECOVERY	Parameter	Percent Recovery
	2-fluorophenol	111 %
	2,4,6-tribromophenol	112 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	04-04-94
Laboratory Number:	0316TCA.MB	Date Sampled:	NA
Sample Matrix:	Sand	Date Received:	NA
Preservative:	NA	Date Extracted:	03-16-94
Condition:	NA	Date Analyzed:	04-03-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.040	2.0
2,4,5-Trichlorophenol	ND	0.040	2.0
Pentachlorophenol	ND	0.025	100.0

SURROGATE RECOVERY	Parameter	Percent Recovery
	2-fluorophenol	98 %
	2,4,6-tribromophenol	105 %

Method: 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 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location	92101 ANALYSIS/PARAMETERS
WESTERN COMPANY	3250 SOUTHSIDE RIVER RD	
Sampler: (Signature)	Chain of Custody Tape No.	
Robert Young		

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TCLP W/O Post/Hard						Remarks
WASH BAY SOLIDS	3/18/94	1340	7072	SOIL	1	✓						5-POINT COMPOSITE
DOR SWEEP	3/18/94	1335	7073	SOIL	1	✓						5-POINT COMPOSITE

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Robert Young	3/18/94	1455	Kevin L. Cheever	3-18-94	1435
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

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

92132 Eustice

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXXX

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

2. Destination
   Land Farm # 2 Envirotech Soil Remediation Facility

3. Address of Facility Operator
   5796 US Hwy. 64-3014 Farmington, New Mexico 87401

4. Generator
   Halliburton Services

5. Name of Originating Site
   Farmington Yard

6. Name of Transporter
   Envirotech INC

7. Location of Material (Street Address or ULSTR)
   4109 E. Main, Farmington, NM 87401

8. State
   New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☒ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 12/94

BRIEF DESCRIPTION OF THE MATERIAL:

Contruction of Solids generated from wash bay operations at Farmington Yard (4109 E. Main).

TCLP ENCLOSED

RECEIVED
JAN 04 1995
OIL CON. DIV.
DIST. 3

RECEIVED
DEC 15 1994
OIL CON. DIV.
DIST. 3 Shipped 1/6/95

Estimated Volume 40 yd³ Known Volume (to be entered by the operator at the end of the haul): 44 yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 12/2/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 12/15/94

APPROVED BY [illegible] TITLE GEOLOGIST DATE 12/23/94

CONDITIONS OF APPROVAL, IF ANY:

92132

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒ (Submitting this form for oilfield exempt waste is optional)	4. Generator Halliburton Services
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site Farmington Yard
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Envirotech INC
7. Location of Material (Street Address or ULSTR) 4109 E. Main, Farmington, NM 87401	8. State New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☒ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 12/94

BRIEF DESCRIPTION OF THE MATERIAL:

Continuation of solids generated from wash bay operations at Farmington Yard (4109 E. Main).

TCLP ENCLOSED

RECEIVED
DEC 15 1994
OIL CON. DIV.
DIST. 3

Estimated Volume 40 yd³ Known Volume (to be entered by the operator at the end of the haul): _____ yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 12/2/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 12/15/94

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

ENVIRO-TECH INC.

UNDERGROUND TANK T... G. • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: Halliburton Services, 4109 E. Main, Farmington, NM

Source: Wash bay Solids

Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Halliburton concur with the status of the waste from the subject site.

Name Gary L. Morris
Title/Agency HR/HSE Coordinator
Halliburton
Address 4109 E. Main
Farmington N.M.

Signature Gary L. Morris

Date 12/13/94

ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

SUSPECTED HAZARDOUS & SOLID WASTE ANALYSIS

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	11-21-94
Lab ID#:	7986	Date Sampled:	10-18-94
Sample Matrix:	Soil	Date Received:	10-18-94
Preservative:	Cool	Date Analyzed:	10-24-94
Condition:	Cool & Intact		

IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: pH of 7.45

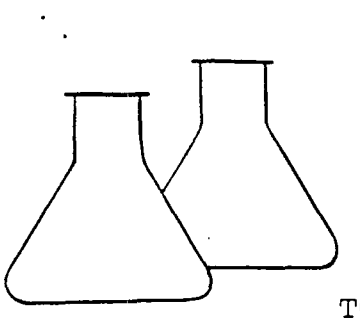
REACTIVITY: Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: $\leq$ pH 2 or $\geq$ pH 12.5 is hazardous waste
4109 E. Main, Farmington, NM.

Analyst

Reviewed



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EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	11-18-94
Laboratory Number:	7986	Date Sampled:	10-18-94
Sample Matrix:	Soil	Date Received:	10-18-94
Preservative:	Cool	Date Analyzed:	11-18-94
Condition:	Cool & Intact	Date Extracted:	10-24-94
Chain of Custody:	3964	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	ND	0.01	5.000
BARIUM	ND	0.5	100.0
CADMIUM	0.23	0.04	1.000
CHROMIUM	0.013	0.01	5.000
LEAD	0.019	0.001	5.000
MERCURY	ND	0.002	0.200
SELENIUM	ND	0.01	1.000
SILVER	0.02	0.01	5.00

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

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

ND - Parameter not detected at the stated detection limit.

Comments: 4109 E. Main, Farmington, NM - Composite.

Analyst

Review

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

Client:	Halliburton	Project #:	92132
Sample ID:	#1 wash bay	Date Reported:	11-21-94
Laboratory Number:	7986TCLP.	Date Sampled:	10-18-94
Sample Matrix:	Soil	Date Received:	10-18-94
Preservative:	Cool	Date Extracted:	10-24-94
Condition:	Cool & Intact	Date Analyzed:	11-08-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
1,1-Dichloroethene	ND	0.018	0.7
2-Butanone	ND	0.013	200
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.007	0.5
Tetrachloroethene	ND	0.006	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	89 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments: Halliburton Services Co. 4109 East Main, Farmington

Analyst

Review

ENVIROTECH LABS
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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	Halliburton	Project #:	NA
Sample ID:	#1 wash bay	Date Reported:	11-22-94
Laboratory Number:	7986TCA.	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	10-24-94
Condition:	Cool & Intact	Date Analyzed:	11-17-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	0.037	0.020	100.0

SURROGATE RECOVERIES:

Parameter	Percent Recovery
2-fluorophenol	92 %

Method: 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

ND - Parameter not detected at the stated detection limit.

Comments: Halliburton Services Co. #1 wash bay solids comp

Analyst

Review

ENVIROTECH LABS
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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	Halliburton	Project #:	92132
Sample ID:	1 wash bay	Date Reported:	11-22-94
Laboratory Number:	7986BNTC.	Date Sampled:	10-18-94
Sample Matrix:	Soil	Date Received:	10-18-94
Preservative:	NA	Date Extracted:	10-24-94
Condition:	NA	Date Analyzed:	11-21-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.024	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

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	102 %

Method: 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 8090, Nitroaromatics and Cyclic Ketones, 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

ND - Parameter not detected at the stated detection limit.

Comments: Halliburton Services Co. 4109 east Main, Framington

Analyst

Review

ENVIROTECH LABORATORIES

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FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION

ENVIROTECH LABS
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TRACE METAL ANALYSIS - BLANKS

Client:	NA	Project #:	NA
Sample ID:	Blanks 10-24-94	Date Reported:	11-18-94
Laboratory Number:	MB1024	Date Sampled:	NA
Sample Matrix:	Liquid	Date Received:	NA
Preservative:	Cool	Date Analyzed:	11-18-94
Condition:	NA	Analysis Needed:	TCLP Metals
		Date Extracted:	10-24-94

Parameter	Instrument Blank (mg/L)	Method Blank (mg/L)	Det. Limit (mg/L)
ARSENIC	ND	ND	0.01
BARIUM	ND	ND	0.5
CADMIUM	ND	ND	0.04
CHROMIUM	ND	ND	0.01
LEAD	ND	ND	0.001
MERCURY	ND	ND	0.002
SELENIUM	ND	ND	0.01
SILVER	ND	ND	0.01

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

Methods 7060A, 7080, 7131, 7191, 7470, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA, 1992

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

ND - Parameter not detected at the stated detection limit.

Comments: Lab Nos. 7986, 8007, 8009, 8011, 8020, 8038, QCCK1026.

Analyst

Review

ENVIROTECH LABS
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AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	11-21-94
Laboratory Number:	1108TCV.BLK	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	11-08-94
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
2-Butanone	ND	0.013	200
1,1-Dichloroethene	ND	0.018	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.007	0.5
Tetrachloroethene	ND	0.006	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	103 %

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Method 8020, Aromatic Volatile Organics, 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

ND - Parameter not detected at the stated detection limit.

Comments: QA/QC for samples 7986, 8007, 8009, 8011, 8020, 8038

Analyst

Review

ENVIROTECH LABS

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EPA METHOD 8040
PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	11-21-94
Laboratory Number:	1117TCA.BLK	Date Sampled:	NA
Sample Matrix:	2-Propanol	Date Received:	NA
Preservative:	NA	Date Analyzed:	11-17-94
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	ND	0.020	100.0

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	99 %

Method: 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

ND - Parameter not detected at the stated detection limit.

Comments: QA/QC for 7986, 8007, 8009, 8011, 8020, 8038, 8099

Analyst

Review

ENVIROTECH LABS
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EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	11-21-94
Laboratory Number:	1121BNTC.BLK	Date Sampled:	NA
Sample Matrix:	Hexane	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	11-21-94
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.024	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

SURROGATE RECOVERY:

Parameter	Percent Recovery
2-fluorobiphenyl	95 %

Method: 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 8090, Nitroaromatics and Cyclic Ketones, 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

ND - Parameter not detected at the stated detection limit.

Comments: QA/QC for 7986, 8007, 8009, 8011, 8020, 8038, 8099

Analyst

Review

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** QUALITY ASSURANCE REPORT MATRIX DUPLICATE
EPA METHOD 8010/8020 AROMATIC VOLATILE/HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	
Sample ID:	Duplicate Sample	Date Reported:	11-21-94
Laboratory Number:	7986DUP.	Date Sampled:	
Sample Matrix:	Soil	Date Received:	
Analysis Requested:	TCLP	Date Analyzed:	11-08-94
Condition:	NA		

Parameter	Sample Result (ug/L)	Duplicate Sample Result (ug/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0
1,1-Dichloroethene	ND	ND	0.0
2-Butanone	ND	ND	0.0
Chloroform	ND	ND	0.0
Carbon Tetrachloride	ND	ND	0.0
Benzene	ND	ND	0.0
1,2-Dichloroethane	ND	ND	0.0
Trichloroethene	ND	ND	0.0
Tetrachloroethene	ND	ND	0.0
Chlorobenzene	ND	ND	0.0
1,4-Dichlorobenzene	ND	ND	0.0

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

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments: QA/QC for samples: 7986, 8007, 8009, 8011, 8020, 8038

Analyst

Review

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** QUALITY ASSURANCE REPORT MATRIX DUPLICATE
EPA METHOD 8040 PHENOLS

Client:		Project #:	
Sample ID:	Duplicate sample	Date Reported:	11-22-94
Laboratory Number:	7986TCA	Date Sampled:	
Sample Matrix:	Soil	Date Received:	
Preservative:	Cool	Date Analyzed:	11-19-94
Condition:	Cool & intact	Analysis Requested:	TCLP

Parameter	Sample Result (ug/Kg)	Duplicate Result (ug/Kg)	Percent Difference
o-Cresol	ND	ND	0.0
cresol	ND	ND	0.0
2,4,6-Trichlorophenol	ND	ND	0.0
2,4,5-Trichlorophenol	ND	ND	0.0
Pentachlorophenol	0.037	0.030	19.0

QA ACCEPTANCE CRITERIA: Administrative control limit set at maximum of 30% difference.

Method: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: QA/QC for 7986, 8007, 8009, 8020, 8020, 8038, 8099

Analyst

Review

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** QUALITY ASSURANCE REPORT MATRIX DUPLICATE
EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:		Project #:	
Sample ID:	Duplicate sample	Date Reported:	11-22-94
Laboratory Number:	8099 BNTC	Date Sampled:	
Sample Matrix:	Soil	Date Received:	
Preservative:	Cool	Date Analyzed:	11-21-94
Condition:	Cool & intact	Analysis Requested:	TCLP

Parameter	Sample Result (ug/Kg)	Duplicate Result (ug/Kg)	Percent Difference
Pyridine	ND	ND	0.0
Hexachloroethane	0.064	0.064	0.0
Nitrobenzene	ND	ND	0.0
Hexachlorobutadiene	ND	ND	0.0
2,4-Dinitrotoluene	ND	ND	0.0
Hexachlorobenzene	ND	ND	0.0

QA ACCEPTANCE CRITERIA: Administrative control limit set at maximum of 30% difference.

Method: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: QA/QC for 7986, 8007, 8009, 8020, 8020, 8038, 8099

Analyst

Review

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QUALITY ASSURANCE REPORT

TRACE METAL ANALYSIS - MATRIX SPIKE

Client:	NA	Project #:	NA
Sample ID:	7986 SPK	Date Reported:	11-18-94
Laboratory Number:	7986	Date Sampled:	NA
Sample Matrix:	Liquid	Date Received:	NA
Analysis Requested:	Trace Metals	Date Analyzed:	11-18-94
Condition:	NA		

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
ARSENIC	0.1000	ND	0.12	120
BARIUM	10.00	ND	10.1	101
CADMIUM	1.0000	0.23	0.92	69
CHROMIUM	0.1000	0.01	0.13	120
LEAD	0.1000	0.02	0.12	100
MERCURY	0.1000	ND	0.08	80
SELENIUM	0.1000	ND	0.07	70
SILVER	1.000	0.02	0.95	93

QA ACCEPTANCE CRITERIA:

Parameter	Acceptance Range %
Trace Metals	80 - 120

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

ND - Parameter not detected at the stated detection limit.

Comments: Spike recoveries for Cadmium and Selenium are slightly low.

Analyst

Review

3964

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location
HALLIBURTON SERVICES Co.	4109 EAST MAIN FARMINGTON

Sampler: (Signature)	Chain of Custody Tape No.
Mavis D. Young	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TCLP	RCRA					Remarks
#1 WASH Bay Solids Comp.	10/18/94	15:30	7986	Soil	1	✓	✓					No HERB or PEST Required

ANALYSIS/PARAMETERS

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Mavis D. Young	10/18/94	1710	Robert M Young	10/18/94	1710
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

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

san juan repro Form 578-81

3961

CHAIN OF CUSTODY RECORD

Client/Project Name: C-2132 92132 HALLIBURTON SERVICES Co.

Project Location: 4109 EAST MAIN FARMINGTON

Sampler: (Signature) Mark D. Young

Chain of Custody Tape No.

ANALYSIS/PARAMETERS

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TCLP	RCRA					Remarks
												No HERB or PEST Required
#1 WASH Bay Solids Comp.	10/18/94	15:30	7986	Soil	1	✓	✓					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Mark D. Young	10/18/94	1710	Robert M Young	10/18/94	1710
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

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

San Juan repro Form 578-81

93101

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ Verbal Approval Frank Chavez 11/29/94 (Submitting this form for oilfield exempt waste is optional)	4. Generator Mobil Oil
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site Lindrith B #25 SWD
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Sunco.
7. Location of Material (Street Address or ULSTR) O-9-24N-3W, Rio Arriba Cty.	8. State New Mexico.

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☐ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 11/28/94

BRIEF DESCRIPTION OF THE MATERIAL:

Continvation of:
Tank bottoms from a Slop Oil Tank.

Lindrith B-25 Injection Well

RECEIVED
DEC 19 1994
OIL CON. DIV.
DIST. 3

Recieved 55cy blended Soil from Stabilization of 80 bbl on 11/29/94. Placed on 12/1/94 (MTC) into LF #2 Cell G-12.

Estimated Volume 40 bbl wet yds³ to be Stabilized. Known Volume (to be entered by the operator at the end of the haul): 55 yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 11/28/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 12/19/94

APPROVED BY Ernie Busch TITLE Geologist DATE 12/19/94

CONDITIONS OF APPROVAL, IF ANY:

93101

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: Lindrith B #25 SWD (MOBIL area)

Source: Tank bottoms from a 5100 OIL TANK

Disposal Location: Envirotech Soil Remediation Facility, (ESRF) Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Mobil E&P U.S. Inc. concur with the status of the waste from the subject site.

Name K.J. Bennett
Title/Agency Production Technician
Address PO Box 185
Bloomfield NM 87413
Signature K.J. Bennett
Date 11-29-94

DISTRICT I
P.O.Box 1980, Hobbs, NM 88241-1980
DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719
DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410

Energy, Minerals and Natural Resources D[illegible]nent

OIL CONSERVATION DIVISION

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

Form C-117 A
Revised 4-1-91

PERMIT NO. 3-568

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

Operator or Owner Mobil E&P U.S. Address PO Box 185 Bloomfield, NM 87413

Lease or Facility Name Lindrith "B" Unit #25 SWD Location O-09-24N-03W Rio Arriba
U.L. - Sec. - Twp. - Rge.

OPERATION TO BE PERFORMED:

☒ Tank Cleaning ☐ Sediment Oil Removal ☐ Transportation of Miscellaneous Hydrocarbons

Operator or Owner Representative authorizing work KJ Bennett

Date Work to be Performed 11-29-94

TANK CLEANING DATA Tank Number 4151 Volume 210

Tank Type Steel - cone bottom Volume Below Load Line 15

SEDIMENT OIL OR MISCELLANEOUS HYDROCARBON DATA

Sediment Oil from: ☐ Pit ☐ Cellar ☐ Other

RECEIVED
NOV 28 1994
OIL CON. DIV.
DIST. 3

MISCELLANEOUS OIL
Tank Bottoms From: ☐ Pipeline Station ☐ Crude Terminal ☐ Refinery ☐ Other*

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

Pipeline Break Oil or Spill ☐

*Other (Explain) Produced water

VOLUME AND DESTINATION: Estimated Volume 30 Bbls. Field test volume of good oil 150 Bbls.
(Not required prior to Division approval)

Destination (Name and Location of treating plant or other facility) Envirotech Land Farm #2 Hilltop, NM
Blending facility for stabilization

DESTRUCTION OF SEDIMENT OIL BY: ☐ Burning ☐ Pit Disposal ☐ Use on Roads or firewalls ☒ Other
(Explain) Land Farm

Location of Destruction

Justification of Destruction Not treatable as hydrocarbon

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

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

Owner Mobil E&P U.S.
By KJ Bennett
Title Production Technician
Date 11-28-94

Transporter Sunco Trucking Company
Address 708 S. Tucker, Farmington NM 87
Signature
Title Date

OIL CONSERVATION DIVISION

Approved By Johnny Robinson Title Oil & Gas Inspector Date 11-28-94

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

DISTRIBUTION BY OCD	
	Santa Fe
	File
	Operator
	Transporter (2)

04047

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ Previously received from Denny Foust (Submitting this form for oilfield exempt waste is optional)	4. Name of Transporter DOUG FOUTZ
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Generator EL PASO NATURAL GAS
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, NM 87401	6. Name of Originating Site VARIOUS SITES
7. Originating Location of Material (Street Address or ULSTR) See Attached List	8. State NEW MEXICO

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

Projected Dates(s) for Transportation: November 1994

BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated Soil from various dehydrator and drip pits in the State of New Mexico

RECEIVED
DEC 19 1994
OIL CON. DIV.
DIST. 3

Estimated Volume _____ yd³ Known Volume (to be entered by the operator at the end of the haul): 2520 yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 12/12/94

TYPE OR PRINT NAME Robert Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 12/19/94

APPROVED BY Steve Boands TITLE Geologist DATE 12/19/94

CONDITIONS OF APPROVAL, IF ANY:

ENVIROTECH INC.

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

REC JED DEC - 9 1994

04047

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: A list of pit closure sites is attached. November 1994.

Source: Various dehydrator and drip pits in the State of New Mexico.

Disposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for the El Paso Natural Gas Company concur with the status of the waste from the subject site.

Name Sandra D. Miller

Title/Agency SR. Environmental Scientist
El Paso Natural Gas Company

Address P.O. Box 4990
Farmington, NM 87499

Signature Sandra D Miller

Date December 8, 1994

04047

12/07/94

CLOSED	METER	METER2	LOCATION	S_T_R_L
11/01/94	N/A		Trunk 2B Drip X-3	01-27-11-J
11/01/94	N/A		Trunk 2B Drip X-1	01-27-11-J
11/02/94	N/A		Trunk 2B Drip X-2	01-27-11-J
11/08/94	N/A		Trunk 3C	36-29-13-G
11/08/94	94074		Gallegos Canyon U #202E	33-29-12-C
11/11/94	N/A		Bisti Comp 6 Drip Y-1	07-26-11-K
11/14/94	N/A		Bisti Comp 1 Drip Y-1	29-25-10
11/21/94	70645		Rincon U #10	36-27-07-C
11/22/94	70973		Rincon U #44	25-27-07-P
11/23/94	70880		Rincon U #25	36-27-07-A
11/23/94	N/A		Storage 6	09-26-06-P
11/28/94	71029		Rincon U #43	25-27-07-K
11/29/94	70970		Rincon U #38	26-27-07-I
11/29/94	N/A		Storage 6 Pit #1	09-26-07-P
11/30/94	71045		Roncon U #42	35-27-07-K
11/30/94	70972		Rincon U #41	35-27-07-A

04047

ENVIROTECH SOIL REMEDIATION FACILITY
HILLTOP, NEW MEXICO
EPNG (04047) TRACKING LOG 11/94

NOVEMBER 1994
LANDFARM #2

COORDINATES T-R-S-L	METER # (s)	PIT NAME	CLOSURE DATE	QUANTITY CUBIC YARDS	DESTINATION (LANDFARM : CELL)
27-11-01-J	N/A	TRUNK 2B DRIP X-1 *started 10/31/94	11-01-94	150	LF #2: P12, P13
27-11-01-J	N/A	TRUNK 2B DRIP X-3 *started 10/31/94	11-01-94	110	LF #2: P12, P13
27-11-01-J	N/A	TRUNK 2B DRIP X-2	11-02-94	340	LF #2: P13, R14, Q14
29-13-36-G	N/A	TRUNK 3C	11-07-94	190	LF #2: Q14
29-13-36-G	N/A	TRUNK 3C	11-08-94	30	LF #2: Q14
29-12-33-C	94074	GALLEGOS CANYON U #202E	11-08-94	10	LF #2: Q14
26-11-07-K	N/A	BISTI COMP 6 DRIP Y-1	11-10-94	260	LF #2: Q14, P14
26-11-07-K	N/A	BISTI COMP 6 DRIP Y-1	11-11-94	120	LF #2: P14, R15
29-25-10	N/A	BISTI COMP 1 DRIP Y-1	11-11-94	120	LF #2: R15
29-25-10	N/A	BISTI COMP 1 DRIP Y-1	11-14-94	60	LF #2: R15
27-07-36-C	70645	RINCON U #10	11-21-94	50	LF #2: Q15
27-07-25-K	71029	RINCON U #43	11-21-94	50	LF #2: Q15
27-07-25-P	70973	RINCON U #44	11-22-94	90	LF #2: P15, Q15
26-06-09-P	N/A	STORAGE 6	11-22-94	100	LF #2: P15, Q15
26-06-09-P	N/A	STORAGE 6	11-23-94	110	LF #2: P15
27-07-36-A	70880	RINCON U #25	11-23-94	90	LF #2: P15
26-07-09-P	N/A	STORAGE 6 PIT #1	11-28-94	110	LF #2: O15
27-07-26-I	70970	RINCON U #38	11-28-94	40	LF #2: O15
27-07-25-K	71029	RINCON U #43	11-28-94	20	LF #2: O15
26-07-09-P	N/A	STORAGE 6 PIT #1	11-29-94	170	LF #2: O14, O15
27-07-26-I	70970	RINCON U #38	11-29-94	90	LF #2: O14, O15
27-07-35-A	70972	RINCON U #41	11-30-94	140	LF #2: O13, O14
27-07-35-K	71045	RINCON U #42	11-30-94	70	LF #2: O13

TOTAL YARDAGE THIS PAGE: 2520

92197

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ FRANK Chavez (Submitting this form for oilfield exempt waste is optional) 12/9/94	4. Name of Transporter Envirotech
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Generator Meridian Oil
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, NM 87401	6. Name of Originating Site Val Verde Plant
7. Originating Location of Material (Street Address or ULSTR) A-14-T29N-R11W, NMPM	8. State New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

Projected Dates(s) for Transportation: 12/9/94

BRIEF DESCRIPTION OF THE MATERIAL:

Continuation of Charcoal Filter Media for Amine Filtration

RECEIVED
DEC 19 1994
OIL CON. DIV.
DIST. 3

Rec 8 cy Charcoal on 12/6/94 BOL 5591, Placed into LF#2 D-19

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

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

SIGNATURE Robert Young TITLE Land Farm Supervisor DATE 12/19/94

TYPE OR PRINT NAME Robert Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Ecologist DATE 12/19/94

APPROVED BY Ernie Busch TITLE Geologist DATE 12/19/94

CONDITIONS OF APPROVAL, IF ANY:

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 • 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

92197

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: Val Verde plant

Source: MDEA filtration.

Disposal Location: Envirotech Soil Remediation Facility (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Meridian Oil Inc. concur with the status of the waste from the subject site.

Name Craig A. Bock
Title/Agency Asst. Env. Rep.
Address PO Box 4289, Farmington NM. 87499-4289
Signature Craig A. Bock
Date 6/9/94

92147

Envirotech Exempt Waste Manifest
Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

Safety and Environment

1. Waste Location: Lease/Well No. Val Verde Plant

2. Volume: 8 (Cubic Yards) Barrels Gallons

3. Description of Waste: Charcoal Filter media.

4. Method of Waste Generation: MDEA Filtration used for CO_2 Removal

5. Approval for Disposal C. J. Bent (signature) Date 12/9/94

MOI Representive

Transportation Company: Envirotech

Date(s) Transported: 12/9/94

MOI Representative on Site Leigh Landon (signature) Date 12/9/94

Envirotech
Complete and return to Meridian Safety and Environment with invoice.

Date(s) Received: Donna A. Mullens

Total Volume Received: 8 cy

Waste Location : Cell/Grid No. Landfarm #2 Cell D-19

Disposal Cost: $16/cy

D-19

BOL 5591

92197

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ Denny Foust 11/17/94 (Submitting this form for oilfield exempt waste is optional)	4. Generator Meridian
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site Val Verde Plant
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter ENVIROTECH
7. Location of Material (Street Address or ULSTR) A-14-T29N-R-11-W-NMPM	8. State NEW MEXICO

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

Projected Dates(s) for Transportation: 11/21/94

BRIEF DESCRIPTION OF THE MATERIAL:

Continuation of Charcoal Filter Media for Amine Filtration

RECEIVED
DEC 15 1994
OIL CON. DIV.
DIST. 3

Received 7 cy on 11/21/94. BOL 5497. Placed in LF#2 C-26

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

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 11/17/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 12/15/94

APPROVED BY Sherman Burk TITLE Geologist DATE 12/15/94

CONDITIONS OF APPROVAL, IF ANY:

92197

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: Val Verde Plant

Source: Activated Carbon MDEA Filtration

Disposal Location: Envirotech Soil Remediation Facility (ESRF) Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Meridian Oil Inc. concur with the status of the waste from the subject site.

Name Craig A Bock
Title/Agency Associate Environmental Representative
Address P.O. Box 4289, Farmington, NM 87499-4289
Signature C. A. Bock
Date 11/17/94

92197

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ 11/8/94 Denny Foust (Submitting this form for oilfield exempt waste is optional)	4. Generator Meridian
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site Val Verde Plant
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Envirotech
7. Location of Material (Street Address or ULSTR) A-14-T29N-R11W-NMPM	8. State New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☐ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 11/8/94

BRIEF DESCRIPTION OF THE MATERIAL:

Continuation of Charcoal Filter Media For Amine Filtration.

RECEIVED
DEC 14 1994
OIL CON. DIV.
DIST. 3

Received 7 cy on 11/8/94, Bol. # 5410 Placed in LF#2 C-26.

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

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 11/8/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 12/14/94

APPROVED BY Ernie Busch TITLE Geologist DATE 12/14/94

CONDITIONS OF APPROVAL, IF ANY:

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

92197

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: Val Verde Plant

Source: Activated Carbon MDEA Filtration

Disposal Location: Envirotech Soil Remediation Facility (ESRF) Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Meridian Oil Inc concur with the status of the waste from the subject site.

Name Craig A. Bock
Title/Agency Assoc Environmental Representative
Address P.O. Box 4289, Farmington NM, 87499-4289
Signature C. A. Bock
Date 11/8/94

92197

Envirotech Exempt Waste Manifest
Meridian Oil Inc.
PO Box 4289, Farmington, NM 87499

Safety and Environmental

1. Waste Location: Lease/Well No. Val Verde Plant

2. Volume: 7 (Cubic Yards) Barrels Gallons

3. Description of Waste: Charcoal Filter for MDEA regeneration system.

4. Method of Waste Generation: Spent charcoal filter media.

5. Disposal Cost: $16/yd3

6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal C. A. Bada (signature) Date 11/8/94

MOI Representive

Transportation Company: Envirotech

Date(s) Transported: 11-8-94

MOI Representative on Site Bert Hackenberg (signature) Date 11-8-94

Envirotech
Complete and return to Meridian Safety and Environmental with invoice.

Date(s) Received: 11-8-94

Total Volume Received: 7 cu yards

Waste Location : Cell/Grid No. C-26

Received By : (signature)

92117-13

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ Denny Foust 10/31/94 (Submitting this form for oilfield exempt waste is optional)	4. Generator El Paso Nat Gas
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site McDaniel GC A #1
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter El Paso Nat Gas
7. Location of Material (Street Address or ULSTR) H-26-29N-10W NMPM	8. State NM

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

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

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

Projected Dates(s) for Transportation: 11/94

BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated Soil From Pin-hole leak in pipeline

RECEIVED
DEC - 6 1994
OIL CON. DIV.
DIST. 3

Sent to OCD 11/21/94 Rmy

Rec 20 cy Contam Soil on 10/31/94.
Placed into LF #2 P-12.
BOL # 5424.

Rec 20 cy Contam Soil on 11/1/94
Placed into LF #2 P-13
BOL # 5426

Estimated Volume 10 yd³ Known Volume (to be entered by the operator at the end of the haul): ~~20~~ 40 yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 10/31/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 12/6/94

APPROVED BY Lucas Bruch TITLE Geol DATE 12/6/94

CONDITIONS OF APPROVAL, IF ANY:

92117-13

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: EPNG - McDaniel G.C. A #1

Source: Contaminated Soil From Leak Repair

Disposal Location: Envirotech Soil Remediation Facility, (ESRF) Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for El Paso Natural Gas concur with the status of the waste from the subject site.

Name Sandra D Mills
Title/Agency Sr Environmental Scientist
El Paso Natural Gas
Address PO Box 4990
Farmington, NM 87499
Signature Sandra D Mills
Date 10/31/94

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

92117-13

CERTIFICATE OF WASTE TRANSPORT

Originating Location: Angel Peak P/L McDaniels CA-1

Source of Contamination: oil & GAS from line leak

Generator: El Paso Nat GAS Co.

Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 X

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Richard R Chavez

Company: El Paso Nat GAS Co

Signature: Richard R Chavez

Date: 11-1-94

ENVIRO-TECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

G2117-13

CERTIFICATE OF WASTE TRANSPORT

Originating Location: McDANIELS A-1 ANGEL PEAK P/L

Source of Contamination: OIL & GAS

Generator: EL PASO NAT GAS CO.

Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 V

25-29-10

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Richard R Chavez

Company: EL PASO NAT GAS CO.

Signature: Richard R Chavez

Date: 10-31-94

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ Denny Foust 8/1/94 (Submitting this form for oilfield exempt waste is optional)	4. Generator Southwest Water disposal
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site Southwest Tank battery
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter 3 Rivers
7. Location of Material (Street Address or ULSTR) ~~632~~ 362 Rd 4599, ~~Blanco~~ NM (Bloomfield)	8. State NM

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☐ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 8/1/94

BRIEF DESCRIPTION OF THE MATERIAL:

Coal Fines from gas well Water, to be Stabilized at blending Facility then applied to Landfarm #2

RECEIVED
AUG - 1 1994
OIL CON. DIV.
DIST. 3

Rob Dillard
ph 334-9288
fax 334-9288
ph 632-1426

Estimated Volume 60661 yd³ Known Volume (to be entered by the operator at the end of the haul): _____ yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 8/1/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Santa Fe 8/1/94

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: Southwest Water Disposal

Source: Coal Fines from gas well water (Combo of Exempt Waste and Non Hazardous Waste By testing)

Disposal Location: Envirotech Soil Remediation Facility, (ESRF) Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Southwest Water Disposal concur with the status of the waste from the subject site.

Name Rob Dillard
Title/Agency On Site Forman Southwest Water Disp.
Address PO Box 35 Flora Vista NM.

Signature Rob Dillard

Date 8-1-94

04047

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☑ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ (Submitting this form for oilfield exempt waste is optional) Approval Previously Received from Denny Foust NMOCD	4. Generator: El Paso Natural Gas
2. Destination: Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site: Various Pits
3. Address of Facility Operator: 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter: Doug Foutz
7. Location of Material (Street Address or ULSTR): See Attached List	8. State: New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☐ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: October 1994

BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated Soil from Various dehydrator and drip pits in the State of New Mexico

RECEIVED
NOV 28 1994
OIL CON. DIV.
DIST. 3

Estimated Volume _____ yd³ Known Volume (to be entered by the operator at the end of the haul): 2460 yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 11/28/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 12/13/94

APPROVED BY Ernie Busch TITLE Geologist DATE 12/13/94

CONDITIONS OF APPROVAL, IF ANY:

ENVIROTECH SOIL REMEDIATION FACILITY
HILLTOP, NEW MEXICO
EPNG (04047) TRACKING LOG 10/94

OCTOBER 1994
LANDFARM #2

COORDINATES T-R-S-L	METER # (s)	PIT NAME	CLOSURE DATE	QUANTITY CUBIC YARDS	DESTINATION (LANDFARM : CELL)
24-03-07-D	72940	HUGHES 4Y	10-10-94	70	LF #2: P9, P10
24-03-08-M	93244	WO HUGHES #5 CPD	10-10-94	110	LF #2: P9,P10,P11,O8
24-03-07-O	93224	HUGHES FED COM WELL #1	10-10-94	100	LF #2: O8
24-03-07-O	93224	HUGHES FED COM WELL #1	10-11-94	20	LF #2: O8
24-03-08-I	87915	WD HUGHES #1	10-11-94	50	LF #2: O8
24-03-09-N	94967	LINDRITH B #24	10-11-94	60	LF #2: O8
24-03-09-D	74692	LINDRITH U #23	10-11-94	70	LF #2: P10, P11
24-03-08-H	95255	W. D. HUGHES #7	10-11-94	80	LF #2: P10, P11
24-03-09-O	44242	LINDRITH B #25	10-11-94	70	LF #2: P10, P11
24-03-08-E	93469	JILLSON #4	10-12-94	90	LF #2: P11
24-03-04-M	92010	CULLINS FED #4	10-12-94	20	LF #2: P11
24-03-15-C	95968	LINDRITH B #40	10-12-94	40	LF #2: P11
24-03-16-A	73047	LINDRITH #39	10-12-94	50	LF #2: R12
24-03-16-C	74407	LINDRITH #3	10-12-94	80	LF #2: R12
24-03-16-C	N/A	2C-62 LINE DRIP	10-12-94	40	LF #2: R12
24-03-15-G	73315	LINDRITH #46	10-12-94	40	LF #2: R12
24-03-18-A	92003	TONKIN FED #16	10-12-94	20	LF #2: R12
24-03-17-A	74473	CC FEDERAL #1	10-13-94	50	LF #2: R12, Q12
24-03-18-A	92003	TONKIN FED #16	10-13-94	110	LF #2: R12, Q12
27-10-13-L	74051	CM MORRIS #4	10-13-94	100	LF #2: R12, Q12
24-03-20-O	90617	CHACON HILL #1	10-13-94	60	LF #2: Q12
24-03-20-G	90831	CHACON HILL #2	10-13-94	110	LF #2: P12, Q12
25-06-23-L	N/A	LINE DRIP LAT 2C-45	10-14-94	40	LF #2: P12
24-02-21-L	74392	LINDRITH U #7	10-24-94	50	LF #2: R13
24-02-33-G	93451	JELLY DOG JERRY #2	10-24-94	80	LF #2: R13
25-03-33-M	87940	ANDERSON B WELL #1	10-24-94	10	LF #2: R13
25-03-33-M	87940	ANDERSON B WELL #1	10-25-94	10	LF #2: R13
24-02-33-O	73645	BUZZY FED #2	10-25-94	20	LF #2: R13
24-03-10-I	N/A	2C-48 LINE DRIP	10-25-94	80	LF #2: R13
24-03-17-M	90582	TONKIN #3	10-25-94	20	LF #2: R13, Q13
24-03-08-C	87914	JILLSON FED #2	10-25-94	20	LF #2: Q13
24-03-08-C	87914	JILLSON FED #2	10-26-94	20	LF #2: Q13
24-03-18-O	90467	TONKIN #1	10-26-94	20	LF #2: Q13
25-06-24-C	75863	CANYON LARGO #143	10-26-94	20	LF #2: Q13
25-06-13-P	71351	CANYON LARGO U #36	10-26-94	20	LF #2: Q13
25-06-13-P	71351	CANYON LARGO #36	10-27-94	20	LF #2: Q13
25-06-24-C	75863	CANYON LARGO #143	10-27-94	60	LF #2: Q13
25-06-24-A	72644	CANYON LARGO #94	10-27-94	40	LF #2: P13, Q13
25-06-24-A	75731	CANYON LARGO #141	10-27-94	20	LF #2: Q13
25-06-24-C	95156	CANYON LARGO #336	10-27-94	60	LF #2: Q13, P13
29-12-32-B	N/A	3C LINE DRIP	10-28-94	40	LF #2: P13
29-12-28-M	N/A	3C LINE DRIP #3	10-28-94	50	LF #2: P13
29-12-30-L	93455	GALLEGOS CANYON U #307	10-28-94	50	LF #2: P13
28-12-18-E	N/A	LAT 3C-2 LINE DRIP	10-28-94	10	LF #2: P13
27-11-01-J	N/A	TRUNK 2B DRIP X-1 *started 10/31/94 complete 11/01/94	*10-31-94	160	LF #2: P12, P13
27-11-01-J	N/A	TRUNK 2B DRIP X-3 *started 10/31/94 complete 11/01/94	*10-31-94	100	LF #2: P12, P13

ENVIROTECH INC.

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

RECEIVED NOV 18 1994 04047

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: A list of pit closure sites is attached. October 1994.

Source: Various dehydrator and drip pits in the State of New Mexico.

Disposal Location: Envirotech Soil Remediation Facility, (ESRF) Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for the El Paso Natural Gas Company concur with the status of the waste from the subject site.

Name Sandra D. Miller

Title/Agency SR. Environmental Scientist
El Paso Natural Gas Company

Address P.O. Box 4990
Farmington, NM 87499

Signature Sandra D Miller

Date October 10, 1994

04047

Page No. 1

CLOSED	METER	METER2	LOCATION	S_T_R_L
10/10/94	93244		W O Hughes #5 CPD	08-24-03-M
10/10/94	72940		Hughes #4Y	07-24-03-D
10/11/94	93224		Hughes Fed Com Well #1	07-24-03-O
10/11/94	94967		Lindrith B #24	09-24-03-N
10/11/94	95255		W D Hughes #7	08-24-03-H
10/11/94	87915		W D Hughes #1	08-24-03-I
10/11/94	74692		Lindrith U #23	09-24-03-D
10/11/94	44242		Lindrith B #25	09-24-03-O
10/12/94	93469		Jillson #4	08-24-03-E
10/12/94	74407		Lindrith #3	15-24-03-C
10/12/94	73315		Lindrith #46	15-24-03-G
10/12/94	92010		Cullins Fed #4	04-24-03-M
10/12/94	95968		Lindrith B #40	15-24-03-C
10/12/94	73047		Lindrith #39	16-24-03-A
10/12/94	N/A		2C-62 Line Drip	16-24-03-C
10/13/94	74473		C C Federal #1	17-24-03-A
10/13/94	90617		Chacon Hill #1	20-24-03-O
10/13/94	74051		C M Morris #4	13-27-10-L
10/13/94	92003		Tonkin Fed #16	18-24-03-A
10/13/94	90831		Chacon Hill #2	20-24-03-G
10/14/94	N/A		Line Drip Lat 2C-45	23-25-06-L
10/24/94	93451		Jelly Dog Jerry #2	33-24-02-G
10/24/94	74392		Lindrith U #7	21-24-02-L
10/25/94	N/A		2C-48 Line Drip	10-24-03-I
10/25/94	73645		Buzzy Fed #2	33-24-02-O
10/25/94	90582		Tonkin #3	17-24-03-M
10/25/94	87940		Anderson B Well #1	33-25-03-M
10/26/94	87914		Jillson Fed #2	08-24-03-C
10/26/94	90467		Tonkin #1	18-24-03-O
10/27/94	75731		Canyon Largo U #141	24-25-06-A
10/27/94	75863		Canyon Largo U #143	24-25-06-C
10/27/94	95156		Canyon Largo U #336	24-25-06-C
10/27/94	71351		Canyon Largo U #36	13-25-06-P
10/27/94	72644		Canyon Largo U #94	24-25-06-A
10/28/94	N/A		3C Line Drip #3	28-29-12-M
10/28/94	N/A		Lat 3C-2 Line Drip	18-28-12-E
10/28/94	93455		Gallegos Canyon U #307	30-29-12-L
10/28/94	N/A		3C Line Drip	32-29-12-B

94103

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ (Submitting this form for oilfield exempt waste is optional) Soil and Water By Denny Foust 10/25/94 7:4m to Ring	4. Generator Santa Fe Gold Corp
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site Santa Fe #1 Hospah Coal Company
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Envirotech and Dawn
7. Location of Material (Street Address or ULSTR) SE/4 SW/4 Sec 9, T19N, R6W, NMPM	8. State New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☐ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 10/94

BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated Soil From LEP at well site. → Abandoned Pit.

RECEIVED
NOV 28 1994
OIL CON. DIV.
DIST. 3

Received 60 wet bbl and ~~454~~ 524 cy Contaminated Soil Bol 5369, 5415, 5388, 5399, 5416, 5400, 5390, 5401, 5422, 5440, 5402, 5423, 5409, 5389 5391. Rec'd 10/25/94 through 11/1/94. Placed into Landfarm #2 E-14, E-15, H-14, F-1

Estimated Volume 500 yd³ Known Volume (to be entered by the operator at the end of the haul): Total 578cy ~~454~~ 524 cy + 60 bbl wet yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 10/25/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 12/5/94

APPROVED BY Ernie Busch TITLE Geol DATE 12-7-94

CONDITIONS OF APPROVAL, IF ANY:

94103

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: Santa Fe Gold #1, Hospah Coal Company

Source: E&P Abandoned Pit.

Disposal Location: Envirotech Soil Remediation Facility, (ESRF) Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Santa Fe Pacific Gold Corporation concur with the status of the waste from the subject site.

Name Paul G. Eby
Title/Agency Director, Field Operations
Address PO Box 27019
Albuquerque, NM 87125
Signature
Date November 21, 1994

04047

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ Approval Previously Received from Denny Foust (Submitting this form for oilfield exempt waste is optional)	4. Generator El Paso Natural Gas
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site Various Exempt Pits
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Doug Foarz Const.
7. Location of Material (Street Address or ULSTR) See Attached List	8. State New Mexico.

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☐ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: [redacted] 1994 September

BRIEF DESCRIPTION OF THE MATERIAL:

Continuation of Contaminated Soil From Various Dehydrator and drip pits in the State of New Mexico

RECEIVED
OCT 25 1994
OIL CON. DIV.
DIST. 3

Estimated Volume _____ yd³ Known Volume (to be entered by the operator at the end of the haul): 2300 yd³

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 10/25/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 10/26/94

APPROVED BY Sandra Kurtz TITLE Geologist DATE 10/26/94

CONDITIONS OF APPROVAL, IF ANY:

04047

ENVIROTECH SOIL REMEDIATION FACILITY
HILLTOP, NEW MEXICO
EPNG (04047) TRACKING LOG 9/94

SEPTEMBER 1994
LANDFARM #2

COORDINATES T-R-S-L	METER # (s)	PIT NAME	CLOSURE DATE	QUANTITY CUBIC YARDS	DESTINATION (LANDFARM : CELL)
24-06-35-N	N/A	2C-22 #1 LINE DRIP	09-01-94	140	LF #2: R7
24-06-12-J	N/A	2C-54 LINE DRIP	09-01-94	40	LF #2: R7
24-06-13-G	N/A	2C-22 #3 LINE DRIP	09-01-94	70	LF #2: R7
23-06-05-O	94734	RITA COM #2	09-02-94	80	LF #2: R7, Q8
24-06-13-G	N/A	C-22 #3 LINE DRIP	09-02-94	80	LF #2: R7, Q8
23-07-13-E	N/A	2C-161 #4 LINE DRIP	09-06-94	80	LF #2: P8
27-10-22-M	94142	JC GORDON D2E DK	09-07-94	40	LF #2: P8
27-10-18-N	93780	ARGO 1E	09-07-94	110	LF #2: P8, Q8
27-09-21-N	75392	HUERFANITO #10	09-07-94	90	LF #2: P8, Q8
27-10-20-K	N/A	LAT 2B3 LINE DRIP X-2	09-07-94	50	LF #2: Q8, R8
27-10-32-D	N/A	LAT 2B18 DRIP X-1	09-07-94	40	LF #2: R8
27-10-32-D	N/A	LAT 2B18 DRIP X-1	09-08-94	140	LF #2: R8
27-10-20-K	N/A	LAT 2B3 LINE DRIP X-2	09-08-94	10	LF #2: R8
27-10-20-K	N/A	LAT 2B3 LINE DRIP X-2	09-08-94	10	LF #2: R8
26-10-05-B	92985	HUERFANITO #19	09-08-94	20	LF #2: R8
29-11-13-F	90298	GARRETT D #1	09-08-94	70	LF #2: R8, R9
29-11-13-I	90311	E.M. HARTMAN #1	09-08-94	90	LF #2: R8, R9
29-11-13-L	90299	WARD A COM #1	09-09-94	80	LF #2: R9
29-10-18-C	89040	HANLEY #2J	09-09-94	30	LF #2: R9
29-10-18-F	90307/90308	HANLEY #1 MV/CH	09-09-94	90	LF #2: R9, Q9
29-10-17-B	72006	FEUILLE A #2	09-09-94	80	LF #2: Q9
29-09-04-B	75127	GUTUIRREZ GAS COM B #1	09-12-94	40	LF #2: Q9
30-09-33-M	75265	ELLIOTT GAS COM S #1	09-12-94	40	LF #2: Q9
20-09-34-C	93500	ELLIOTT GAS COM R-1E	09-12-94	70	LF #2: Q9, R10
30-09-35-E	95407	SANDOVAL GAS COM C #1E	09-12-94	90	LF #2: Q9, R10
30-09-35-C	89620	SANDOVOL GAS COM A #1A	09-12-94	60	LF #2: R10
28-11-32-C	93262	KRAUSE WN FED #1E	09-22-94	70	LF #2: R10, Q10
27-13-03-B	95451	RICHARDSON #7	09-22-94	60	LF #2: R10, Q10
28-11-26-P	72890	OHIO C GOVERNMENT #3 TD	09-23-94	50	LF #2: Q10
29-11-25-P	93938	EATON COM B #1	09-26-94	50	LF #2: R11
29-10-32-O	93559	SKELLY GC #1E	09-26-94	70	LF #2: R11, Q11
29-11-26-B	90527	EARL B. SULLIVAN WELL #1	09-26-94	30	LF #2: Q11
29-10-25-F	71697	ABRAMS GC C #1	09-26-94	20	LF #2: Q11
29-10-25-F	71697	ABRAMS GC C #1	09-27-94	80	LF #2: P9, Q11
28-09-30-A	72963	LACKEY B #14	09-27-94	50	LF #2: P9, Q11
28-09-18-F	N/A	LAT 2B-29 MAIN LINE PIT	09-27-94	80	LF #2: P9, P10

corrected to show on remaine. only shows move 11

TOTAL YARDAGE THIS PAGE: 2300

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ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: A list of pit closure sites is attached. September 1994.

Source: Various dehydrator and drip pits in the State of New Mexico.

Disposal Location: Envirotech Soil Remediation Facility, (ESRF) Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for the El Paso Natural Gas Company concur with the status of the waste from the subject site.

Name Sandra D. Miller

Title/Agency SR. Environmental Scientist
El Paso Natural Gas Company

Address P.O. Box 4990
Farmington, NM 87499

Signature Sandra D Miller

Date 10/7/94

04047

Page No. 1

CLOSED	METER	METER2	LOCATION	S_T_R_L
09/01/94	N/A		2C-22 #1 Line Drip	35-24-06-N
09/01/94	N/A		2C-54 Line Drip	12-24-06-J
09/02/94	N/A		2C-22 #3 Line Drip	13-24-06-G
09/06/94	N/A		2C-161 #4 Line Drip	13-23-07-E
09/06/94	94734		Rita Com #2	05-23-06-O
09/07/94	75392		Huerfanito #10	21-27-09-N
09/07/94	94142		J C Gordon D #2E DK	22-27-10-M
09/07/94	93780		Argo #1E	18-27-10-N
09/08/94	N/A		Lateral 2B-18 Drip X-1	32-27-10-D
09/08/94	90311		E M Hartman #1	13-29-11-I
09/08/94	N/A		Lateral 2B-3 Line Drip X2	20-27-10-K
09/08/94	92985		Huerfano #19	05-26-10-B
09/08/94	90298		Garrett D #1	13-29-11-F
09/09/94	72006		Feuille A #2	17-29-10-B
09/09/94	90299		Ward A Com #1	13-29-11-L
09/09/94	89040		Hanley #2J	18-29-10-C
09/09/94	90307	90308	Hanley #1 MV/CH	18-29-10-F
09/12/94	75265		Elliot Gas Com S #1	33-30-09-M
09/12/94	95407		Sandoval Gas Com C #1E	35-30-09-E
09/12/94	89620		Sandoval Gas A #1A	35-30-09-C
09/12/94	75127		Gutierrez Gas Com B #1	04-29-09-B
09/12/94	93500		Elliot Gas Com R #1E	34-30-09-C
09/22/94	95451		Richardson #7	03-27-13-B
09/22/94	93262		Krause WN Fed Well #1E	32-28-11-C
09/23/94	72890		Ohio C Government #3 TD	26-28-11-P
09/26/94	93938		Eaton Com B #1	25-29-11-P
09/26/94	90527		Earl B Sullivan Well #1	26-29-11-B
09/26/94	93559		Skelly GC #1S	32-29-10-O
09/27/94	72953		Lackey B #14	30-28-09-A
09/27/94	71697		Abrams GC C #1	25-29-10-F
09/27/94	N/A		2B-29 Main Line Pit	18-28-09-F

92197

REQUEST FOR APPROV. TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ 10/10/94 Denny Foust (Submitting this form for oilfield exempt waste is optional)	4. Generator Meridian
2. Destination Land Farm # 2 Envirotech Soil Remediation Facility	5. Name of Originating Site Val Verde Plant
3. Address of Facility Operator 5796 US Hwy. 64-3014 Farmington, New Mexico 87401	6. Name of Transporter Envirotech
7. Location of Material (Street Address or ULSTR) A-14-T29N-R11W-NMPM	8. State New Mexico

9. Check One

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

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

☐ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certi8fication of origin. No waste classified as hazardous by listing or testing will be approved.

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

Projected Dates(s) for Transportation: 10/10/94

BRIEF DESCRIPTION OF THE MATERIAL:

Continuation of Charcoal Filter media for Amine Filtration

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OIL CON. DIV.
DIST. 3

Received 7 cy on 10/10/94. Bol # 5269. Placed in LF#2 C-26.

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

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

SIGNATURE Robert M Young TITLE Land Farm Supervisor DATE 10/10/94

TYPE OR PRINT NAME Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 10/12/94

APPROVED BY Jerry Sexton TITLE Geologist DATE 10/17/94

CONDITIONS OF APPROVAL, IF ANY:

92197

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: Val Verde Plant

Source: Amine solvent filtration for CO_2 Removal

Disposal Location: Envirotech Soil Remediation Facility (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Meridian Oil Inc. concur with the status of the waste from the subject site.

Name Craig A. Beck
Title/Agency Associate Environmental Representative
Address PO Box 4289, Farmington NM 87499-4289
Signature
Date 10/10/94

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OIL CON. DIV.
DIST. 3

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Envirotech Exempt Waste Manifest
Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

Safety and Environmental

1. Waste Location: Lease/Well No. Val Verde Plant

2. Volume: 7 (Cubic Yards) Barrels Gallons

3. Description of Waste: Charcoal Filter media Sr Amine Filtration.

4. Method of Waste Generation: Filtration system for Amine Solvent

5. Disposal Cost: 16$/yard

6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal [signature] (signature) Date 10/10/94

MOI Representive

Transportation Company: Envirotech

Date(s) Transported: 10/10/94

MOI Representative on Site Leigh Paulson (signature) Date 10/10/94

Envirotech
Complete and return to Meridian Safety and Environmental with invoice.

Date(s) Received: 10/10/94

Total Volume Received: 7 yds

Waste Location : Cell/Grid No. C-26

Received By : [signature] (signature)

RECEIVED
OCT 1 2 1994

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