NM1 - 10

C-138

YEAR(S):

2001

Martyne Kieling
Jack Ford

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

RECEIVED
DEC 26 2001
Environmental Bureau
Oil Conservation Division

Form C-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 0212

1. RCRA Exempt: ☐ Non-Exempt: ■ Verbal Approval Received: Yes ■ No ☐	4. Generator **CIP** 5. Originating Site **CIP yard**
2. Management Facility Destination **Tierra Landfarm**	6. Transporter **CIP**
3. Address of Facility Operator **420 CR 3100 Aztec, NM 87410**	8. State **NM**
7. Location of Material (Street Address or ULSTR) **#51 CR 5570 Farmington**	

9. Circle One:

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

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved

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

BRIEF DESCRIPTION OF MATERIAL:

Soil impacted by used oil

DEC 2001
RECEIVED
OIL CON. DIV
DIST. 3

Estimated Volume ____ cy Known Volume (to be entered by the operator at the end of the haul) **~30** cy

SIGNATURE _____ TITLE: **Environmental Specialist** DATE: **12/21/01**
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: **Jeremy J. Bath** TELEPHONE NO. **334-8894**

(This space for State Use)

APPROVED BY: _____ TITLE: Envirn/Engr DATE: 12/21/01

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 12-26-01

010702-1

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178 Fax (505)334-617

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
C.I.P. Inc. #51 Road 5570 Farmington, NM 87401	Tierra Landfarm 420 CR 3100 Aztec, NM 87410
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
C.I.P. Yard #51 Rd. 5570 Farmington, NM 87401 Attach list of originating sites as appropriate	Same
4. Source and Description of Waste	
Used oil, contaminated soil ~ 30 yds^3	

I, Carl Padilla representative for:
(Print Name)

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

___ **EXEMPT** oilfield waste

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

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

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

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

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): Carl Padilla

Title: President

Date: 12-20-2001

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	CIP	Project #:	92245-009
Sample ID:	N-Exempt	Date Reported:	12-05-01
Lab ID#:	21645	Date Sampled:	12-04-01
Sample Matrix:	Soil	Date Received:	12-04-01
Preservative:	Cool	Date Analyzed:	12-05-01
Condition:	Cool and Intact	Chain of Custody:	8835

Parameter	Result	
IGNITABILITY:	**Negative**	
CORROSIVITY:	**Negative**	**pH = 7.51**
REACTIVITY:	**Negative**	

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. *(i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)*
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. *(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)*
REACTIVITY:	Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. *(i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)*

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

Comments: **CIP.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS

Client:	CIP	Project #:	92245-009
Sample ID:	N-Exempt	Date Reported:	12-06-01
Laboratory Number:	21645	Date Sampled:	12-04-01
Chain of Custody:	8835	Date Received:	12-04-01
Sample Matrix:	TCLP Extract	Date Extracted:	12-04-01
Preservative:	Cool	Date Analyzed:	12-06-01
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	**ND**	**0.0001**	**0.2**
1,1-Dichloroethene	**ND**	**0.0001**	**0.7**
2-Butanone (MEK)	**0.0175**	**0.0001**	**200**
Chloroform	**ND**	**0.0001**	**6.0**
Carbon Tetrachloride	**ND**	**0.0001**	**0.5**
Benzene	**0.0043**	**0.0001**	**0.5**
1,2-Dichloroethane	**ND**	**0.0001**	**0.5**
Trichloroethene	**0.0337**	**0.0003**	**0.5**
Tetrachloroethene	**ND**	**0.0005**	**0.7**
Chlorobenzene	**0.100**	**0.0003**	**100**
1,4-Dichlorobenzene	**ND**	**0.0002**	**7.5**

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	**100%**
	1,4-difluorobenzene	**100%**
	4-bromochlorobenzene	**100%**

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

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

Comments: **CIP.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040
PHENOLS

Client:	CIP	Project #:	92245-009
Sample ID:	N-Exempt	Date Reported:	12-06-01
Laboratory Number:	21645	Date Sampled:	12-04-01
Chain of Custody:	8835	Date Received:	12-04-01
Sample Matrix:	TCLP Extract	Date Extracted:	12-04-01
Preservative:	Cool	Date Analyzed:	12-06-01
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	**ND**	**0.020**	**200**
p,m-Cresol	**ND**	**0.040**	**200**
2,4,6-Trichlorophenol	**0.054**	**0.020**	**2.0**
2,4,5-Trichlorophenol	**ND**	**0.020**	**400**
Pentachlorophenol	**ND**	**0.020**	**100**

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	**98%**
	2,4,6-Tribromophenol	**99%**

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

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

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

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

Comments: **CIP.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	CIP	Project #:	92245-009
Sample ID:	N-Exempt	Date Reported:	12-06-01
Laboratory Number:	21645	Date Sampled:	12-04-01
Chain of Custody:	8835	Date Received:	12-04-01
Sample Matrix:	TCLP Extract	Date Extracted:	12-04-01
Preservative:	Cool	Date Analyzed:	12-06-01
Condition:	Cool and Intact	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	**101%**

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

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

Comments: **CIP.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	CIP	Project #:	92245-009
Sample ID:	N-Exempt	Date Reported:	12-06-01
Laboratory Number:	21645	Date Sampled:	12-04-01
Chain of Custody:	8835	Date Received:	12-04-01
Sample Matrix:	TCLP Extract	Date Analyzed:	12-06-01
Preservative:	Cool	Date Extracted:	12-04-01
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	**ND**	**0.001**	**5.0**
Barium	**0.903**	**0.001**	**100**
Cadmium	**ND**	**0.001**	**1.0**
Chromium	**ND**	**0.001**	**5.0**
Lead	**ND**	**0.001**	**5.0**
Mercury	**ND**	**0.001**	**0.2**
Selenium	**ND**	**0.001**	**1.0**
Silver	**ND**	**0.001**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission SW-846, USEPA. December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **CIP.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL

DOCUMENTATION

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	12-06-01
Laboratory Number:	12-06-TCV	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-06-01
Condition:	N/A	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	**100%**
	1,4-difluorobenzene	**100%**
	4-bromochlorobenzene	**100%**

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

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

Comments: **QA/QC for samples 21635 and 21645.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	12-06-01
Laboratory Number:	12-04-TCV	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-06-01
Condition:	N/A	Date Extracted:	12-04-01
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	99%
	1,4-difluorobenzene	98%
	4-bromochlorobenzene	98%

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

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

Comments: **QA/QC for samples 21635 and 21645.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	12-06-01
Laboratory Number:	21635	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	12-06-01
Condition:	N/A	Date Extracted:	12-04-01

Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	0.0294	0.0294	0.0001	0.0%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	0.0075	0.0075	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0003	0.0%
Tetrachloroethene	ND	ND	0.0005	0.0%
Chlorobenzene	ND	ND	0.0003	0.0%
1,4-Dichlorobenzene	ND	ND	0.0002	0.0%

ND - Parameter not detected at the stated detection limit.

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

Comments: **QA/QC for samples 21635 and 21645.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	12-06-01
Laboratory Number:	21635	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	12-06-01
Condition:	N/A	Date Extracted:	12-04-01

Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.050	0.0495	0.0001	99%	28-163
1,1-Dichloroethene	ND	0.050	0.0494	0.0001	99%	43-143
2-Butanone (MEK)	0.0294	0.050	0.0784	0.0001	99%	47-132
Chloroform	ND	0.050	0.0500	0.0001	100%	49-133
Carbon Tetrachloride	ND	0.050	0.0490	0.0001	98%	43-143
Benzene	0.0075	0.050	0.0570	0.0001	99%	39-150
1,2-Dichloroethane	ND	0.050	0.0490	0.0001	98%	51-147
Trichloroethene	ND	0.050	0.0495	0.0003	99%	35-146
Tetrachloroethene	ND	0.050	0.0495	0.0005	99%	26-162
Chlorobenzene	ND	0.050	0.0495	0.0003	99%	38-150
1,4-Dichlorobenzene	ND	0.050	0.0495	0.0002	99%	42-143

ND - Parameter not detected at the stated detection limit.

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

Comments: **QA/QC for samples 21635 and 21645.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040
PHENOLS
Quality Assurance Report
Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	12-06-01
Laboratory Number:	12-06-TCA	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-06-01
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	**ND**	**0.020**	**200**
p,m-Cresol	**ND**	**0.040**	**200**
2,4,6-Trichlorophenol	**ND**	**0.020**	**2.0**
2,4,5-Trichlorophenol	**ND**	**0.020**	**400**
Pentachlorophenol	**ND**	**0.020**	**100**

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	**98 %**
	2,4,6-tribromophenol	**99 %**

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

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

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

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

Comments: **QA/QC for samples 21635 and 21645.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040
PHENOLS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	12-06-01
Laboratory Number:	12-04-TCA	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool & Intact	Date Analyzed:	12-06-01
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	**ND**	**0.020**	**200**
p,m-Cresol	**ND**	**0.040**	**200**
2,4,6-Trichlorophenol	**ND**	**0.020**	**2.0**
2,4,5-Trichlorophenol	**ND**	**0.020**	**400**
Pentachlorophenol	**ND**	**0.020**	**100**

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	**98%**
	2,4,6-Tribromophenol	**99%**

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

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

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

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

Comments: **QA/QC for samples 21635 and 21645.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040
PHENOLS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	12-06-01
Laboratory Number:	21635	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	12-04-01
Condition:	Cool & Intact	Date Analyzed:	12-06-01
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

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

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

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

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

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

Comments: **QA/QC for samples 21635 and 21645.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	12-06-01
Laboratory Number:	12-06-TBN	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	12-06-01
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

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

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

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

Comments: **QA/QC for samples 21635 and 21645.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	12-06-01
Laboratory Number:	12-04-TBN	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	12-04-01
Condition:	Cool and Intact	Date Analyzed:	12-06-01
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	**95%**

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

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

Comments: **QA/QC for samples 21635 and 21645.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QA/QC Matrix Duplicate Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	12-06-01
Laboratory Number:	21635	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Extracted:	12-04-01
Condition:	N/A	Date Analyzed:	12-06-01
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	**ND**	**ND**	**0.0%**	**0.020**
Hexachloroethane	**ND**	**ND**	**0.0%**	**0.020**
Nitrobenzene	**ND**	**ND**	**0.0%**	**0.020**
Hexachlorobutadiene	**ND**	**ND**	**0.0%**	**0.020**
2,4-Dinitrotoluene	**ND**	**ND**	**0.0%**	**0.020**
HexachloroBenzene	**ND**	**ND**	**0.0%**	**0.020**

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Maximum Difference
	8090 Compounds	**30%**

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

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

Comments: **QA/QC for samples 21635 and 21645.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	12-06-TCM QA/QC	Date Reported:	12-06-01
Laboratory Number:	21635	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	12-06-01
Condition:	N/A	Date Extracted:	12-04-01

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Difference	Acceptance Range
Arsenic	**ND**	**ND**	**0.001**	**ND**	**ND**	**0.0%**	**0% - 30%**
Barium	**ND**	**ND**	**0.001**	**0.332**	**0.330**	**0.6%**	**0% - 30%**
Cadmium	**ND**	**ND**	**0.001**	**ND**	**ND**	**0.0%**	**0% - 30%**
Chromium	**ND**	**ND**	**0.001**	**ND**	**ND**	**0.0%**	**0% - 30%**
Lead	**ND**	**ND**	**0.001**	**ND**	**ND**	**0.0%**	**0% - 30%**
Mercury	**ND**	**ND**	**0.001**	**ND**	**ND**	**0.0%**	**0% - 30%**
Selenium	**ND**	**ND**	**0.001**	**ND**	**ND**	**0.0%**	**0% - 30%**
Silver	**ND**	**ND**	**0.001**	**ND**	**ND**	**0.0%**	**0% - 30%**

Spike Conc. (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	**0.500**	**ND**	**0.499**	**99.8%**	**80% - 120%**
Barium	**0.500**	**0.332**	**0.832**	**100.0%**	**80% - 120%**
Cadmium	**0.500**	**ND**	**0.498**	**99.6%**	**80% - 120%**
Chromium	**0.500**	**ND**	**0.498**	**99.6%**	**80% - 120%**
Lead	**0.500**	**ND**	**0.498**	**99.6%**	**80% - 120%**
Mercury	**0.050**	**ND**	**0.049**	**98.0%**	**80% - 120%**
Selenium	**0.500**	**ND**	**0.497**	**99.4%**	**80% - 120%**
Silver	**0.500**	**ND**	**0.499**	**99.8%**	**80% - 120%**

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission, SW-846, USEPA, December 1996.

Comments: **QA/QC for samples 21635 and 21645.**

Analyst

Review

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District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

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DEC 26 2001
Environmental Bureau
Oil Conservation Division

Form C-138
Revised March 17, 1999

Submit Original Plus 1 Copy to Appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 0159

1. RCRA Exempt: ■ Non-Exempt: ☐ Verbal Approval Received: Yes ■ No ☐	4. Generator **CIP** 5. Originating Site **CIP yard**
2. Management Facility Destination **Tierra Landfarm**	6. Transporter **CIP**
3. Address of Facility Operator **420 CR 3100 Aztec, NM 87410**	8. State **NM**
7. Location of Material (Street Address or ULSTR) **#51 CR 5570 Farmington**	

9. Circle One:

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

B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved

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

BRIEF DESCRIPTION OF MATERIAL:

Sludge & Soil generated from equipment repair and tank cleanout (see attached)

DEC 2001 RECEIVED OIL CON. DIV. DIST. 3

Estimated Volume ____ cy Known Volume (to be entered by the operator at the end of the haul) **~160** cy

SIGNATURE _____ TITLE: **Environmental Specialist** DATE: **12/21/01**
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: **Jeremy J. Bath** TELEPHONE NO. **334-8894**

(This space for State Use)

APPROVED BY: _____ TITLE: Envirn/Engr DATE: 12/21/01

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 12-26-01

010202-1

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178 Fax (505)334-6170

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
C.I.P. Inc. #51 Rd. 5570 Farmington, NM 87401	Tierra Landfarm #20 CR 3100 Aztec, NM 87410
3. Originating Site (name): C.I.P. Yard #51 Rd. 5570 Farmington, NM 87401 Attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Same
4. Source and Description of Waste Sludges + solids generated from oilfield equipment + tank repair. (See attached list.)	

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

X **EXEMPT** oilfield waste

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

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

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

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

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): Carl Padilla

Title: President

Date: 12-20-2001

JOB#	DATE	TYPE EQUIP.	UNIT S/N	LOCATION	OWNER
2387	3-8-00	4 MM DEHY	3779	ROSA #224	WFS
2388	3-8-00	4 MM DEHY	31924	RICHARDSON 1-1	WFS
2389	3-8-00	4 MM DEHY	243	S.U. 32-9 #1-5 MV	WFS
2390	3-8-00	4 MM DEHY	32028	CASE #1-35	WFS
2434	5-11-00	100 BBL TANK	NO S/N	JIC. 120C #21	ENERGEN
2462	6-15-00	100 BBL TANK	335	S.J. 29-7 #77E	VASTAR
2473	7-7-00	4 MM DEHY	359	S.U. 32-7 #60	WFS
2474	7-7-00	4 MM DEHY	388	S.U. 32-7 #16A	WFS
2475	7-7-00	4 MM DEHY	520	JIC 155 #29 MV	WFS
2476	7-7-00	4 MM DEHY	506	JIC. 155 #28MV	WFS
2477	7-7-00	4 MM DEHY	30413	JIC C #2E MV	WFS
2478	7-7-00	4 MM DEHY	36340	JIC #3E	WFS
2479	7-7-00	4 MM DEHY	234	JIC #14	WFS
2480	7-7-00	4 MM DEHY	32258	APACHE #3E DK	WFS
2481	7-7-00	4 MM DEHY	36339	CHAMPLIN #4E	WFS
2482	7-7-00	4 MM DEHY	33080	JIC 155 #33	WFS
2483	7-7-00	4 MM DEHY	754	JIC 123C #30	WFS
2484	7-7-00	4 MM DEHY	3475	ROSA #200	WFS
2485	7-7-00	4 MM DEHY	3156	ROSA #213	WFS
2486	7-7-00	4 MM DEHY	3282	ROSA #211	WFS
2487	7-7-00	4 MM DEHY	3138	ROSA #201	WFS
2488	7-7-00	4 MM DEHY	970	ALLISON COM #60	WFS
2489	7-7-00	4 MM DEHY	30623	ALLISON #10A	WFS
2491	7-11-00	1 MM DEHY	8169	ROSA #274 WPX	WFS
2492	7-11-00	1 MM DEHY	8167	ROSA #237 WPX	WFS
2493	7-11-00	1 MM DEHY	6438	ROSA #226 WPX	WFS
2494	7-11-00	1 MM DEHY	5986	ROSA #227 WPX	WFS

JOB#	DATE	TYPE EQUIP.	UNIT S/N	LOCATION	OWNER
2495	7-11-00	1 MM DEHY	8177	ROSA #239 WPX	WFS
2496	7-11-00	1 MM DEHY	5875	ROSA #202 WPX	WFS
2497	7-11-00	1 MM DEHY	5881	ROSA #214 WPX	WFS
2498	7-11-00	1 MM DEHY	5884	ROSA #230 WPX	WFS
2499	7-11-00	1 MM DEHY	5883	ROSA #215 WPX	WFS
2500	7-11-00	1 MM DEHY	8165	ROSA #332 WPX	WFS
2501	7-11-00	1 MM DEHY	6015	ROSA #233 WPX	WFS
2502	7-11-00	1 MM DEHY	8191	ROSA #236 WPX	WFS
2503	7-11-00	1 MM DEHY	5397	ROSA #242 WPX	WFS
2504	7-11-00	2 MM DEHY	4831	ROSA #336 WPX	WFS
2505	7-11-00	2 MM DEHY	6585	ROSA #238 WPX	WFS
2512	7-18-00	HLP SEP REPAIR	LP -7116 HP -7115	FED 28-8-34 #1	S&G INTERESTS
2514	7-25-00	REPAIR HLP	1280	BREECH #50	CAULKINS
2515	7-25-00	REPAIR HLP	1282	BREECH #307M	CAULKINS
2526	7-29-00	REPAIR HLP	1277	STATE 62M	CAULKINS
2527	7-29-00	REPAIR HLP	2112	BREECH #307	CAULKINS
2533	8-2-00	REPAIR HLP	36357	JIC 150 #6	BURLINGTON
2545	8-17-00	REPAIR HLP	34067	JIC 150 #5	BURLINGTON
2569	9-6-00	REPAIR SEP.	30090	JIC 150 #9A	BURLINGTON
2570	9-6-00	REPAIR SEP.	21014	JIC 153 #23 MV	BURLINGTON
2571	9-6-00	REPAIR SEP.	21020	JIC 153 #23 DK	BURLINGTON
2573	9-11-00	REPAIR SEP.	32706	S.J 27-4 #57	BURLINGTON
2574	9-11-00	REPAIR SEP.	32791	JIC 103 #64	BURLINGTON
2575	9-11-00	REPAIR SEP.	32716	JIC 103 #7	BURLINGTON
2588	9-15-00	REPAIR TANK	8549	JIC G9A	BURLINGTON

JOB#	DATE	TYPE EQUIP.	UNIT S/N	LOCATION	OWNER
2341	1-27-00	REPAIR SEP.	7028	JIC 126 #1	ENERGEN
2346	2-4-00	REPAIR SEP.	10743	S.J. 28-4 #26	BURLINGTON
2360	2-17-00	REPAIR HLP	1276	BREECH #224	CAULKINS
2381	3-6-00	4 MM DEHY	218	UTE 34-10 #1 PC	WFS
2382	3-6-00	4 MM DEHY	238	UTE 34-10 #1 MV	WFS
2383	3-6-00	4 MM DEHY	595	CO 32-7 #10 MV	WFS
2384	3-6-00	4 MM DEHY	542	S.U. #9	WFS
2385	3-6-00	4 MM DEHY	30632/19388	ALLISON #55 MV	WFS
2386	3-6-00	4 MM DEHY	33436	UTE C-2	WFS
2417	4-13-00	REPAIR SEP.	22466	SJ 33-8 #22	WFS
2418	4-13-00	REPAIR HLP	16349	KOCH STATE COM 1A	BURLINGTON
2443	5-26-00	REPAIR HLP		SANCHEZ 4R	CAULKINS
2589	9-15-00	REPAIR TANK	J0760	HUERFANO 166 DK	BURLINGTON
2592	9-15-00	100 BBL TANK	684	S.J 28-6 #51	VASTAR
2593	9-15-00	100 BBL TANK	492	TURNER HUGHES #15	VASTAR
2594	9-15-00	100 BBL TANK	1444	S.J. 29-7 #75	VASTAR
2595	9-15-00	100 BBL TANK	448	S.J. 29-7 #31E	VASTAR
2596	9-15-00	100 BBL TANK	1454	TURNER HUGHES #15	VASTAR
2597	9-15-00	100 BBL TANK	2597	DAY B-5	VASTAR
2598	9-15-00	100 BBL TANK	298	S.J. 28-5 #15A	VASTAR
2599	9-15-00	100 BBL TANK	1231	NM 04209	VASTAR
2600	9-15-00	100 BBL TANK	1740	S.J. 28-6 #35	VASTAR
2601	9-15-00	100 BBL TANK	321	LINDSEY #2A	VASTAR
2621	10-8-00	4 MM DEHY	4887	ALLISON #65	WFS
2622	10-8-00	4 MM DEHY	4185	TIGER #9	WFS

JOB#	DATE	TYPE EQUIP.	UNIT S/N	LOCATION	OWNER
2623	10-8-00	4 MM DEHY	3151	ROSA #222	WFS
2624	10-8-00	4 MM DEHY	3290	ROSA #260	WFS
2625	10-8-00	4 MM DEHY	3463	ROSA #257	WFS
2628	10-17-00	210 BBL TANK	42-16540	FED 35 #1	TEXACO
2629	10-17-00	4 MM DEHY	4360	TIGER #6	WFS
2631	10-18-00	300 BBL TANK	15907	GI 3059-15-1	TEXACO
2632	10-18-00	300 BBL TANK	E16001	TANK #3062	TEXACO
2636	10-27-00	4 MM DEHY	4361	TIGER #5	WFS
2644	10-30-00	REPAIR SEP.	8682	S.J. 27-4 #98	BURLINGTON
2650	11-10-00	REPAIR 210 TANK	13823	GRENIER #14	BURLINGTON
2651	11-14-00	REPAIR 210 TANK	5973	CRANDALL #2B	BURLINGTON
2655	11-14-00	REPAIR HLP	36160	HUERFANO 135E	BURLINGTON
2656	11-14-00	REPAIR HLP	32839	BREECH #204M	CAULKINS
2657	11-14-00	REPAIR HLP	221026	S.J. 27-4 #33	BURLINGTON
2658	11-14-00	REPAIR HLP	3960-1	S.J.27-4 #133	BURLINGTON
2691	12-14-00	REPAIR 300 BBL TANK	188	JONES #1A	BURLINGTON
2699	12-21-00	4 MM DEHY	4819	ALLISON #1R	WFS
2709	12-29-00	1 MM DEHY	5054	ALLISON #9R	WFS
2720	1-5-01	REPAIR HLP	16125	BREECH 625E	CAULKINS
2722	1-11-01	6 MM DEHY	145	BURNT MESA #3	WFS
2723	1-11-01	4 MM DEHY	476	ALLISON #12 MV	WFS
2724	1-11-01	4 MM DEHY	2705	ROSA #15	WFS
2725	1-11-01	4 MM DEHY	152	BURNT MESA #2A MV	WFS
2726	1-11-01	4 MM DEHY	882	EPNG B #1A	WFS

JOB#	DATE	TYPE EQUIP.	UNIT S/N	LOCATION	OWNER
2727	1-11-01	4 MM DEHY	30499	ALLISON #59 MV	WFS
2728	1-11-01	4 MM DEHY	31156	NWCH 32-10 #2	WFS
2729	1-11-01	4 MM DEHY	30503	COX CANYON #25	WFS
2730	1-11-01	1 MM DEHY	3998	ALLISON #9R	WFS
2741	1-23-01	4 MM DEHY	7354	EPNG #1A	WFS
2742	1-23-01	4 MM DEHY	2742	ALLISON #57	WFS
2743	1-23-01	4 MM DEHY	31819	ALLISON #23	WFS
2750	2-5-01	REPAIR 210 TANK	102	EAST #2A	BURLINGTON
2755	2-14-01	REPAIR 300 TANK	34381	HALE #2R MV	BURLINGTON
2765	2-28-01	4 MM DEHY	4863	ALLISON #16R	WFS
2766	2-28-01	4 MM DEHY	5085	ALLISON #8A	WFS
2771	2-28-01	4 MM DEHY	6120	MARCUS CDP	WFS
2776	3-7-01	REPAIR 210 TANK	62-3811-12	GRENIER #12	BURLINGTON
2786	3-13-01	REPAIR 500 TANK	24021	UTE MTN UTE #42	BURLINGTON
2787	3-15-01	4 MM DEHY	5403	ALLISON #34M	WFS
2788	3-15-01	4 MM DEHY	7232	S.J. 32-7 #39A	WFS
2789	3-19-01	REPAIR 300 TANK	22922	PINON MESA C2E	BURLINGTON
2790	3-19-01	4 MM DEHY	2681	IGN 33-7 #24	WFS
2799	3-23-01	REPAIR 210 TANK	2011	DALSANT #1	BURLINGTON
2800	3-27-01	2 MM DEHY	513	S.U. 32-9 #15-4 PC	WFS
2807	4-6-01	4 MM DEHY	1674	S.J. 27-5 #126	WFS
2808	4-6-01	4 MM DEHY	1683	S.J. 27-5 #165	WFS
2809	4-6-01	4 MM DEHY	1561	S.J. 27-5 #118	WFS
2810	4-6-01	4 MM DEHY	1613	S.J. 27-5 #130E	WFS
2811	4-6-01	4 MM DEHY	1584	S.J. 27-5 #117	WFS

JOB#	DATE	TYPE EQUIP.	UNIT S/N	LOCATION	OWNER
2815	4-10-01	REPAIR 300 BBL TANK	3536-25	UTE #14	BURLINGTON
2816	4-10-01	REPAIR 400 BBL TANK	T0356	LA PLATA #33	TEXAKOMA
2824	4-12-01	REPAIR 400 BBL TANK	20653	McCORD 9E	BURLINGTON
2838	4-18-01	REPAIR 300 BBL TANK	11951	McCORD 14E	BURLINGTON
2843	4-26-01	4 MM DEHY	4244	NEWMAN A7	WFS
2844	4-26-01	4 MM DEHY	3709	KUTZ CANYON OIL&GAS #1	WFS
2845	4-26-01	REPAIR 300 BBL TANK	5897	LEA FEDERAL #1	BURLINGTON
2846	4-26-01	REPAIR 210 BBL TANK	SSS2065-2	CRANDALL 2A	BMG
2902	6-7-01	HLP SEP REPAIR	22301	HUERFANO 170E	BURLINGTON
2905	6-11-01	HLP SEP REPAIR	30167	S.J. 29-7 #124	TESTCO
2907	6-12-01	REPAIR 300 BBL TANK		GRENIER #1	KOCH EXPLORATION

HIGH DESERT SAFETY

301 SOUTH FRONTIER – 87413
BLOOMFIELD, NEW MEXICO
PHONE: (505) 632-3633 - CELL: (505% 330-0614

NORM SURVEY DATA SHEET

Facility / Location: CIP Date: 6-7-01

Meter Model: TECHNICAL ASSOCIATES - PUG-1AB - SERIAL NUMBER: 076283

Detector Model: TECHNICAL ASSOCIATES - P-8 - SERIAL NUMBER: 086288

Battery check: (X)

Background Radiation Level: 0-07 mR/hr

Description of material surveyed:
Oil & Gas field Equipment from Various Producers.

Item / Material Surveyed

Waste Material: _____ approx. gals 35 approx. cubic yards

Equipment: mR/hr: 007

Manufacturer: Unknown

Serial No: Unknown

Description: Solid Waste of Wash Area

Identifier No: HDS-1298

Grid Location: _____

Comments:

Survey Conducted by: Gary W. Howe

Gary W Howe
(signature)

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	CIP	Project #:	92245-001
Sample ID:	CIP 01 B	Date Reported:	02-19-01
Laboratory Number:	19219	Date Sampled:	02-15-01
Chain of Custody:	8509	Date Received:	02-16-01
Sample Matrix:	Soil	Date Analyzed:	02-19-01
Preservative:	Cool	Date Extracted:	02-16-01
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**21.1**	**1.8**
Toluene	**1,360**	**1.7**
Ethylbenzene	**817**	**1.5**
p,m-Xylene	**936**	**2.2**
o-Xylene	**1,180**	**1.0**
Total BTEX	**4,310**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	**100 %**
	Bromofluorobenzene	**100 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **#51 CR 5570, Farmington.**

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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	CIP	Project #:	92245-001
Sample ID:	CIP 02 B	Date Reported:	02-19-01
Laboratory Number:	19220	Date Sampled:	02-15-01
Chain of Custody:	8509	Date Received:	02-16-01
Sample Matrix:	Soil	Date Analyzed:	02-19-01
Preservative:	Cool	Date Extracted:	02-16-01
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**1.8**
Toluene	**13.9**	**1.7**
Ethylbenzene	**ND**	**1.5**
p,m-Xylene	**220**	**2.2**
o-Xylene	**48.4**	**1.0**
Total BTEX	**282**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	**100 %**
	Bromofluorobenzene	**100 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	CIP	Project #:	92245-001
Sample ID:	CIP 03 B	Date Reported:	02-19-01
Laboratory Number:	19221	Date Sampled:	02-15-01
Chain of Custody:	8509	Date Received:	02-16-01
Sample Matrix:	Soil	Date Analyzed:	02-19-01
Preservative:	Cool	Date Extracted:	02-16-01
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**1.8**
Toluene	**ND**	**1.7**
Ethylbenzene	**ND**	**1.5**
p,m-Xylene	**44.7**	**2.2**
o-Xylene	**40.2**	**1.0**
Total BTEX	**84.9**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	**100 %**
	Bromofluorobenzene	**100 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	CIP	Project #:	92245-001
Sample ID:	CIP 04 B	Date Reported:	02-19-01
Laboratory Number:	19222	Date Sampled:	02-15-01
Chain of Custody:	8509	Date Received:	02-16-01
Sample Matrix:	Soil	Date Analyzed:	02-19-01
Preservative:	Cool	Date Extracted:	02-16-01
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**1.8**
Toluene	**378**	**1.7**
Ethylbenzene	**170**	**1.5**
p,m-Xylene	**839**	**2.2**
o-Xylene	**516**	**1.0**
Total BTEX	**1,900**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	**100 %**
	Bromofluorobenzene	**100 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	CIP	Project #:	92245-001
Sample ID:	CIP 05 B	Date Reported:	02-19-01
Laboratory Number:	19223	Date Sampled:	02-15-01
Chain of Custody:	8509	Date Received:	02-16-01
Sample Matrix:	Soil	Date Analyzed:	02-19-01
Preservative:	Cool	Date Extracted:	02-16-01
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**1.8**
Toluene	**ND**	**1.7**
Ethylbenzene	**ND**	**1.5**
p,m-Xylene	**24.8**	**2.2**
o-Xylene	**2.9**	**1.0**
Total BTEX	**27.7**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	**100 %**
	Bromofluorobenzene	**100 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **#51 CR 5570, Farmington.**

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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	CIP	Project #:	92245-001
Sample ID:	CIP 07 A	Date Reported:	02-19-01
Laboratory Number:	19224	Date Sampled:	02-15-01
Chain of Custody:	8509	Date Received:	02-16-01
Sample Matrix:	Soil	Date Analyzed:	02-19-01
Preservative:	Cool	Date Extracted:	02-16-01
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**17.6**	**1.8**
Toluene	**68.2**	**1.7**
Ethylbenzene	**28.9**	**1.5**
p,m-Xylene	**321**	**2.2**
o-Xylene	**93.5**	**1.0**
Total BTEX	**529**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	**100 %**
	Bromofluorobenzene	**100 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **#51 CR 5570, Farmington.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	CIP	Project #:	92245-001
Sample ID:	CIP 08 A	Date Reported:	02-19-01
Laboratory Number:	19225	Date Sampled:	02-15-01
Chain of Custody:	8509	Date Received:	02-16-01
Sample Matrix:	Soil	Date Analyzed:	02-19-01
Preservative:	Cool	Date Extracted:	02-16-01
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**13.1**	**1.8**
Toluene	**190**	**1.7**
Ethylbenzene	**62.8**	**1.5**
p,m-Xylene	**550**	**2.2**
o-Xylene	**187**	**1.0**
Total BTEX	**1,000**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	**100 %**
	Bromofluorobenzene	**100 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **#51 CR 5570, Farmington.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	CIP	Project #:	92245-001
Sample ID:	CIP 09 A	Date Reported:	02-19-01
Laboratory Number:	19226	Date Sampled:	02-15-01
Chain of Custody:	8509	Date Received:	02-16-01
Sample Matrix:	Soil	Date Analyzed:	02-19-01
Preservative:	Cool	Date Extracted:	02-16-01
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**1.8**
Toluene	**7.3**	**1.7**
Ethylbenzene	**ND**	**1.5**
p,m-Xylene	**34.6**	**2.2**
o-Xylene	**ND**	**1.0**
Total BTEX	**41.9**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	**100 %**
	Bromofluorobenzene	**100 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **#51 CR 5570, Farmington.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	CIP	Project #:	92245-001
Sample ID:	CIP 10 B	Date Reported:	02-19-01
Laboratory Number:	19227	Date Sampled:	02-16-01
Chain of Custody:	8509	Date Received:	02-16-01
Sample Matrix:	Soil	Date Analyzed:	02-19-01
Preservative:	Cool	Date Extracted:	02-16-01
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**1.8**
Toluene	**ND**	**1.7**
Ethylbenzene	**ND**	**1.5**
p,m-Xylene	**5.6**	**2.2**
o-Xylene	**ND**	**1.0**
Total BTEX	**5.6**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	**100 %**
	Bromofluorobenzene	**100 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **#51 CR 5570, Farmington.**

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	02-19-BTEX QA/QC	Date Reported:	02-19-01
Laboratory Number:	19219	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-19-01
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff. Accept. Range 0 - 15%	Blank Conc	Detect. Limit
Benzene	3.8333E-002	3.8425E-002	0.2%	ND	0.2
Toluene	3.7664E-002	3.7732E-002	0.2%	ND	0.2
Ethylbenzene	5.9685E-002	5.9810E-002	0.2%	ND	0.2
p,m-Xylene	5.4964E-002	5.5102E-002	0.3%	ND	0.2
o-Xylene	4.7339E-002	4.7420E-002	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	21.1	21.4	1.4%	0 - 30%	1.8
Toluene	1,360	1,370	0.7%	0 - 30%	1.7
Ethylbenzene	817	825	1.0%	0 - 30%	1.5
p,m-Xylene	936	946	1.1%	0 - 30%	2.2
o-Xylene	1,180	1,200	1.7%	0 - 30%	1.0

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	21.1	50.0	70.6	99%	39 - 150
Toluene	1,360	50.0	1,390	99%	46 - 148
Ethylbenzene	817	50.0	857	99%	32 - 160
p,m-Xylene	936	100	1,020	98%	46 - 148
o-Xylene	1,180	50.0	1,220	99%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: **QA/QC for samples 19219 - 19227.**

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	CIP	Project #:	92245-001
Sample ID:	CIP 01 B	Date Reported:	02-19-01
Laboratory Number:	19219	Date Sampled:	02-15-01
Chain of Custody:	8509	Date Received:	02-16-01
Sample Matrix:	Soil	Date Analyzed:	02-19-01
Preservative:	Cool	Date Digested:	02-19-01
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	**0.160**	**0.001**	**5.0**
Barium	**0.170**	**0.001**	**100**
Cadmium	**0.138**	**0.001**	**1.0**
Chromium	**0.080**	**0.001**	**5.0**
Lead	**0.332**	**0.001**	**5.0**
Mercury	**ND**	**0.001**	**0.2**
Selenium	**0.054**	**0.001**	**1.0**
Silver	**0.024**	**0.001**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **#51 CR 5570, Farmington.**

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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	CIP	Project #:	92245-001
Sample ID:	CIP 02 B	Date Reported:	02-19-01
Laboratory Number:	19220	Date Sampled:	02-15-01
Chain of Custody:	8509	Date Received:	02-16-01
Sample Matrix:	Soil	Date Analyzed:	02-19-01
Preservative:	Cool	Date Digested:	02-19-01
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	**0.768**	**0.001**	**5.0**
Barium	**2.20**	**0.001**	**100**
Cadmium	**0.762**	**0.001**	**1.0**
Chromium	**2.36**	**0.001**	**5.0**
Lead	**8.08**	**0.001**	**5.0**
Mercury	**2.54**	**0.001**	**0.2**
Selenium	**0.514**	**0.001**	**1.0**
Silver	**0.182**	**0.001**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **#51 CR 5570, Farmington.**

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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	CIP	Project #:	92245-001
Sample ID:	CIP 03 B	Date Reported:	02-19-01
Laboratory Number:	19221	Date Sampled:	02-15-01
Chain of Custody:	8509	Date Received:	02-16-01
Sample Matrix:	Soil	Date Analyzed:	02-19-01
Preservative:	Cool	Date Digested:	02-19-01
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	**0.790**	**0.001**	**5.0**
Barium	**3.34**	**0.001**	**100**
Cadmium	**0.756**	**0.001**	**1.0**
Chromium	**3.00**	**0.001**	**5.0**
Lead	**7.34**	**0.001**	**5.0**
Mercury	**3.20**	**0.001**	**0.2**
Selenium	**0.564**	**0.001**	**1.0**
Silver	**0.096**	**0.001**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	CIP	Project #:	92245-001
Sample ID:	CIP 04 B	Date Reported:	02-19-01
Laboratory Number:	19222	Date Sampled:	02-15-01
Chain of Custody:	8509	Date Received:	02-16-01
Sample Matrix:	Soil	Date Analyzed:	02-19-01
Preservative:	Cool	Date Digested:	02-19-01
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	**0.104**	**0.001**	**5.0**
Barium	**1.57**	**0.001**	**100**
Cadmium	**0.096**	**0.001**	**1.0**
Chromium	**0.188**	**0.001**	**5.0**
Lead	**0.492**	**0.001**	**5.0**
Mercury	**ND**	**0.001**	**0.2**
Selenium	**0.062**	**0.001**	**1.0**
Silver	**0.026**	**0.001**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **#51 CR 5570, Farmington.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	CIP	Project #:	92245-001
Sample ID:	CIP 05 B	Date Reported:	02-19-01
Laboratory Number:	19223	Date Sampled:	02-15-01
Chain of Custody:	8509	Date Received:	02-16-01
Sample Matrix:	Soil	Date Analyzed:	02-19-01
Preservative:	Cool	Date Digested:	02-19-01
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	**0.022**	**0.001**	**5.0**
Barium	**2.98**	**0.001**	**100**
Cadmium	**0.028**	**0.001**	**1.0**
Chromium	**0.100**	**0.001**	**5.0**
Lead	**0.298**	**0.001**	**5.0**
Mercury	**ND**	**0.001**	**0.2**
Selenium	**0.012**	**0.001**	**1.0**
Silver	**ND**	**0.001**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **#51 CR 5570, Farmington.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	CIP	Project #:	92245-001
Sample ID:	CIP 07 A	Date Reported:	02-19-01
Laboratory Number:	19224	Date Sampled:	02-15-01
Chain of Custody:	8509	Date Received:	02-16-01
Sample Matrix:	Soil	Date Analyzed:	02-19-01
Preservative:	Cool	Date Digested:	02-19-01
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	**0.084**	**0.001**	**5.0**
Barium	**8.98**	**0.001**	**100**
Cadmium	**0.112**	**0.001**	**1.0**
Chromium	**0.312**	**0.001**	**5.0**
Lead	**0.718**	**0.001**	**5.0**
Mercury	**ND**	**0.001**	**0.2**
Selenium	**0.046**	**0.001**	**1.0**
Silver	**ND**	**0.001**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **#51 CR 5570, Farmington.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	CIP	Project #:	92245-001
Sample ID:	CIP 08 A	Date Reported:	02-19-01
Laboratory Number:	19225	Date Sampled:	02-15-01
Chain of Custody:	8509	Date Received:	02-16-01
Sample Matrix:	Soil	Date Analyzed:	02-19-01
Preservative:	Cool	Date Digested:	02-19-01
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	**0.122**	**0.001**	**5.0**
Barium	**4.22**	**0.001**	**100**
Cadmium	**0.124**	**0.001**	**1.0**
Chromium	**1.91**	**0.001**	**5.0**
Lead	**2.76**	**0.001**	**5.0**
Mercury	**ND**	**0.001**	**0.2**
Selenium	**0.058**	**0.001**	**1.0**
Silver	**0.034**	**0.001**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **#51 CR 5570, Farmington.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	CIP	Project #:	92245-001
Sample ID:	CIP 09 A	Date Reported:	02-19-01
Laboratory Number:	19226	Date Sampled:	02-15-01
Chain of Custody:	8509	Date Received:	02-16-01
Sample Matrix:	Soil	Date Analyzed:	02-19-01
Preservative:	Cool	Date Digested:	02-19-01
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	**0.332**	**0.001**	**5.0**
Barium	**4.82**	**0.001**	**100**
Cadmium	**0.342**	**0.001**	**1.0**
Chromium	**1.08**	**0.001**	**5.0**
Lead	**1.06**	**0.001**	**5.0**
Mercury	**1.90**	**0.001**	**0.2**
Selenium	**0.188**	**0.001**	**1.0**
Silver	**0.102**	**0.001**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **#51 CR 5570, Farmington.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS
Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	02-19-TM QA/QC	Date Reported:	02-19-01
Laboratory Number:	19219	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	02-19-01
Condition:	N/A	Date Digested:	02-19-01

Blank & Duplicate Conc. (mg/L)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.160	0.158	1.3%	0% - 30%
Barium	ND	ND	0.001	0.170	0.174	2.4%	0% - 30%
Cadmium	ND	ND	0.001	0.138	0.136	1.4%	0% - 30%
Chromium	ND	ND	0.001	0.080	0.082	2.5%	0% - 30%
Lead	ND	ND	0.001	0.332	0.332	0.0%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.054	0.054	0.0%	0% - 30%
Silver	ND	ND	0.001	0.024	0.024	0.0%	0% - 30%

Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	1.00	0.160	1.16	100.0%	80% - 120%
Barium	1.00	0.170	1.17	100.0%	80% - 120%
Cadmium	1.00	0.138	1.14	100.2%	80% - 120%
Chromium	1.00	0.080	1.08	100.0%	80% - 120%
Lead	1.00	0.332	1.33	99.8%	80% - 120%
Mercury	0.100	ND	0.098	98.0%	80% - 120%
Selenium	1.00	0.054	1.05	99.6%	80% - 120%
Silver	1.00	0.024	1.02	99.6%	80% - 120%

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Comments: **QA/QC for samples 19219 - 19226.**

Analyst

Review

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CHAIN OF COUSTODY RECORD

08509

Client / Project Name: CIP

Project Location: #51 CR. 5570 Farmington

Sampler: Ron Trueblood

Client No.: 92245-001

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	8021 BTEX	Total metals					Remarks
CIP 01 B	2.15.01	3:00	19219	Soil	1	✓	✓					
CIP 02 B	02.15.01	3:10	19220	Soil	1	✓	✓					
CIP 03 B	02.15.01	3:15	19221	Soil	1	✓	✓					
CIP 04 B	2.15.01	3:25	19222	Soil	1	✓	✓					
CIP 05 B	2.15.01	3:35	19223	Soil	1	✓	✓					
CIP 07 A	2.15.01	4:05	19224	Soil	1	✓	✓					
CIP 08 A	2.15.01	4:10	19225	Soil	1	✓	✓					
CIP 09 A	2.15.01	4:35	19226	Soil	1	✓	✓					
CIP 10 B	2.16.01	8:15	19227	Soil	1	✓						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Carl Padilla	2-16-2001	9:15	Denise L. Aparicio	2/16/01	9:15
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.

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

Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 0207

1. RCRA Exempt: ☐ Non-Exempt: ■ Verbal Approval Received: Yes ☐ No ■	4. Generator **Key Energy Services** 5. Originating Site **Sims Mesa Facility**
2. Management Facility Destination **Tierra Landfarm**	6. Transporter **Key Energy Services**
3. Address of Facility Operator **420 CR 3100 Aztec, NM 87410**	8. State **NM**
7. Location of Material (Street Address or ULSTR) **Hwy 527 & Rosa Road**	

9. Circle One:

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

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved

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

BRIEF DESCRIPTION OF MATERIAL:

Diesel Fuel impacted soil from inside of a lined berm

DEC 2001
RECEIVED
OIL CON. DIV.
DIST. 3

Estimated Volume ____cy Known Volume (to be entered by the operator at the end of the haul) **4** cy

SIGNATURE _____ TITLE: **Environmental Specialist** DATE: **12/3/01**
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: **Jeremy J. Bath** TELEPHONE NO. **334-8894**

(This space for State Use)

APPROVED BY: _____ TITLE: Enviro/Engr DATE: 12/5/01

APPROVED BY: _____ TITLE: _____ DATE: _____

12-10-21

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Key Energy Services, Inc. Four Corners Division 5651 US Highway 64 Farmington NM, 84701	Tierra Environmental Company, Inc. Crouch Mesa Landfarm 420 C.R. 3100 Aztec, NM 87401
3. Originating Site: (name):	**Location of the Waste (Street Address &/or ULSTR):**
Key Energy Service Sims Mesa Facility (Attach list of origination sites as appropriate)	Key Energy Services, Inc Hwy 527 8 Mile marker on & Rosa Road Intersection
4. Source and Description of Waste Diesel Fuel Spill inside of a lined burm.	

I, **Bob James**, representative for **Key Energy Services, Four Corners Division** do hereby certify that, according to the Resource Conservation and Recovery Act (RECA) and Environmental Protection Agency's July 1988, regulatory determination, the above described waste is:
(Check appropriate classification)

____ **EXEMPT** oilfield waste

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

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

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

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

This waste is in comlieance with Regulated Levels of Naturally Occurring Radioactive Material (NORM0 pursant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): _____

Title: Equipment & Environmental Manager

Date: October 23, 2001

8/4/06

Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Trade name	**Diesel #2 Oil**
Supplier	Fina Oil and Chemical Co P.O. Box 2159 Dallas, TX 75221
Synonym	Fuel Oil # 2, Furnace Oil #2
MSDS Name	Diesel Oil #2
Chemical Family	Hydrocarbon Mixture
CAS Registry Number	68476-34-6
Threshold Limit Value	TWA: 100 (mg/m³) from NIOSH
Manufacturer	Fina Oil and Chemical Co P.O. Box 849 Port Arthur, TX 77641-0849

Code	000456
MSDS#	P33
Validation Date	3/25/99
Print Date	9/13/99
Responsible for Preparation	Larry Myers

In Case of Emergency	**Chemtrec: (800) 424-9300** **FINA: (800) 322-FINA**
Technical Information	Port Arthur: (409) 962-4421

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits
1) Diesel Oil #2	68476-34-6	100	TWA: 100 (mg/m³) from NIOSH

Section 3. Hazards Identification

Physical State and Appearance
Liquid.

Emergency Overview
COMBUSTIBLE LIQUID AND VAPOR.
Vapor may cause fire.
MAY CAUSE NERVOUS SYSTEM, GASTROINTESTINAL TRACT, RESPIRATORY TRACT, SKIN, EYES DAMAGE.
MAY CAUSE EYE IRRITATION.
Causes severe skin irritation.

Routes of Entry
Dermal contact. Eye contact. Inhalation. Ingestion.

Potential Acute Health Effects

Eyes Hazardous in case of eye contact (irritant).

Skin Sensitization of the product: Not available.
Very hazardous in case of skin contact (irritant). Non-corrosive for skin. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Inhalation Intoxication, dizziness, drowsiness, headache and nausea, weakness and fatigue. Burning sensation in chest, possible asphyxiation and unconsciousness.

Ingestion Local irritation, burning sensation in mouth, esophagus, and stomach. Vomiting, belching, and diarrhea with blood-tinged feces. Drowsiness. The greatest hazard of ingestion is accidental PULMONARY ASPIRATION, which can cause potentially fatal CHEMICAL PNEUMONITIS and NONCARDIOGENIC PULMONARY EDEMA.

Potential Chronic Health Effects
Signs and symptoms of chronic exposure are similar to those of acute exposure. Skin: dermatitis.
CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC. Lifetime skin painting studies conducted by the American Petroleum Institute and others have shown that similar products boiling between 175-370 C (350-700 F) usually produce skin tumors and/or cancer in mice. The degree of carcinogenic response was weak to moderate with a relatively long latent period. The implications of these results for humans have not been determined.
MUTAGENIC EFFECTS: Not available. **TERATOGENIC EFFECTS:** Not available.

Medical Conditions Aggravated by Overexposure
Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Overexposure /Signs/Symptoms
Not available.

See Toxicological Information (section 11)

Continued on Next Page

Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. DO NOT use an eye ointment. Seek medical attention.
Skin Contact	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
Inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Ingestion	DO NOT induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
Notes to Physician	May administer activated charcoal or gastric lavage. Emesis may result in chemical pneumonitis (#2 Diesel). Consider chest x-ray after acute overexposure and perform kidney function tests if symptoms develop or overexposure is suspected (kerosene).

Section 5. Fire Fighting Measures

Flammability of the Product	Combustible.
Auto-ignition Temperature	>204°C (399.2°F)
Flash Points	CLOSED CUP: 54.4°C (130°F). (Pensky-Martens.).
Flammable Limits	LOWER: 0.4% UPPER: 6%
Products of Combustion	carbon oxides (CO, CO2) sulfur oxides (SO2, SO3...)
Fire Hazards in Presence of Various Substances	Flammable in presence of open flames and sparks, of heat.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of static discharge: Expected. Risks of explosion of the product in presence of mechanical impact: Not expected. No specific information is available in our database regarding the product's risks of explosion in the presence of various materials.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder, CO_2, and halon. LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet.
Protective Clothing (Fire)	Wear MSHA/NIOSH approved self-contained breathing apparatus or equivalent and full protective gear (Bunker gear).
Special Remarks on Fire Hazards	Combustible. Avoid inhalation of vapors. May generate dense smoke while burning.
Special Remarks on Explosion Hazards	May form explosive mixtures with air. Container may explode in fire. Flashback along vapor trail may occur. May explode if ignited in an enclosed area.

Section 6. Accidental Release Measures

Small Spill and Leak	Warn personnel to move away. Eliminate ignition sources and ventilate area. Absorb with an inert material and place in an appropriate waste disposal container.
Large Spill and Leak	Combustible material. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

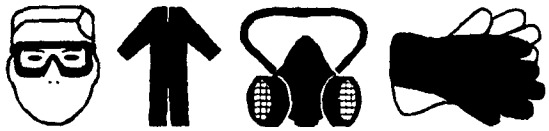
Section 7. Handling and Storage

Handling	Do not breathe gas, fumes, vapor or spray. Keep away from incompatibles such as oxidizing agents. Keep away from sources of ignition.
Storage	Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from sources of ignition. Keep away from incompatibles as oxidizers.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Personal Protection	
Eyes	Safety glasses. Splash goggles.
Body	Flame retardant clothing covering the entire body.
Respiratory	Use a MSHA/NIOSH approved respirator or equivalent at high concentrations.

Continued on Next Page

Hands	Chemical resistant gloves if contact is possible.
Feet	Not applicable.
Protective Clothing (Pictograms)	
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Product Name	Exposure Limits
1) Diesel Oil #2	TWA: 100 (mg/m³) from NIOSH

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.
Molecular Weight	Not applicable.
Molecular Formula	Not applicable.
pH (1% Soln/Water)	Not applicable.
Boiling/Condensation Point	160 to 354.4°C (320 to 670°F)
Melting/Freezing Point	Not available.
Critical Temperature	Not available.
Specific Gravity	0.87 (Water = 1)
Vapor Pressure	1.6 mm of Hg (@ 20°C)
Vapor Density	8 (Air = 1)
Volatility	100% (v/v).
Odor Threshold	Not available.
Evaporation Rate	600 X slower compared to Ethylether
VOC	100 (%)
Viscosity	Not available.
LogK$_{ow}$	Not available.
Ionicity (in Water)	Not available.
Dispersion Properties	Not available.
Solubility in Water	Negligible.
Physical Chemical Comments	No additional remark.

Odor	Kerosine-like
Taste	Not available.
Color	Straw color.

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Conditions of Instability	No additional remark.
Incompatibility with Various Substances	Extremely reactive or incompatible with strong oxidizing agents.
Hazardous Decomposition Products	carbon monoxide & carbon dioxide
Hazardous Polymerization	No.

Continued on Next Page

Section 11. Toxicological Information

Toxicity to Animals	Acute oral toxicity (LD50): 7500 mg/kg [Rat]. Acute oral toxicity (LD50): 9 ml/kg [Rat]. Acute dermal toxicity (LD50): >3160 mg/kg [Rabbit].
Chronic Effects on Humans	CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC. Lifetime skin painting studies conducted by the American Petroleum Institute and others have shown that similar products boiling between 175-370 C (350-700 F) usually produce skin tumors and/or cancer in mice. The degree of carcinogenic response was weak to moderate with a relatively long latent period. The implications of these results for humans have not been determined. The substance is toxic to the nervous system, gastro-intestinal tract, upper respiratory tract, skin, eyes.
Other Toxic Effects on Humans	Very hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant).
Special Remarks on Toxicity to Animals	Prolonged or repeated inhalation of hichly concentrated petroleum distallates caused liver tumors in mice and kidney damaage and tumors in male rats. Skin paint with distillates (boiling range 100-700 F) applied repeatedly and never washed off can cause skin cancer. Chronic exposure to unfiltered diesel exhaust produced tumors in lungs and lymphomas in mice and rats.
Special Remarks on Chronic Effects on Humans	NIOSH recommends that whole diesel exhaust be regarded as a potential carcinogen.
Special Remarks on Other Toxic Effects on Humans	No additional remark.

Section 12. Ecological Information

Ecotoxicity	Aquatic toxicity: 2990 ppm/24 hr (kerosene). Does not bioconcentrate in the food chain (kerosene).
BOD5 and COD	53%, 5 days (kerosene)
Biodegradable/OECD	Not available.
Mobility	Not available.
	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	No additional remark.

Section 13. Disposal Considerations

Waste Information	Recover free liquid. Transfer to an approved disposal area in accordance with federal, state, and local regulations.
Waste Stream	Not available.

Consult your local or regional authorities.

Section 14. Transport Information

DOT Classification	DOT CLASS 3: Flammable liquid. 
	Flammable liquids n.o.s.
	NA1993
	Not available.
Marine Pollutant	Not available.
Hazardous Substances Reportable Quantity	Not available.
Special Provisions for Transport	No additional remark.
TDG Classification	TDG CLASS 3: Flammable liquid.
ADR/RID Classification	ADR CLASS 3: Flammable liquid A.
IMO/IMDG Classification	IMDG CLASS 3.1: Flammable liquid (Low flash point).
ICAO/IATA Classification	IATA CLASS 3: Flammable liquid.

Continued on Next Page

Section 15. Regulatory Information

HCS Classification	HCS CLASS: Combustible liquid having a flash point between 37.8°C (100°F) and 93.3°C (200°F).
U.S. Federal Regulations	TSCA inventory: **Diesel Oil #2** SARA 313 toxic chemical notification and release reporting: No products were found. Clean water act (CWA) 307: No products were found. Clean water act (CWA) 311: No products were found. Clean air act (CAA) 112 accidental release prevention: No products were found. Clean air act (CAA) 112 regulated flammable substances: No products were found. Clean air act (CAA) 112 regulated toxic substances: No products were found.
International Regulations	
WHMIS (Canada)	WHMIS CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).
	CEPA DSL: Diesel Oil #2
EINECS	Not available.
DSCL (EEC)	R36/38- Irritating to eyes and skin.
International Lists	No products were found.
State Regulations	Pennsylvania RTK: **Diesel Oil #2** California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: No products were found.

Section 16. Other Information

Label requirements	COMBUSTIBLE LIQUID AND VAPOR. Vapor may cause fire. MAY CAUSE NERVOUS SYSTEM, GASTROINTESTINAL TRACT, RESPIRATORY TRACT, SKIN, EYES DAMAGE.

Hazardous Material Information System (U.S.A.)

Health	*	1
Fire Hazard		2
Reactivity		0
Personal Protection		

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

References	LOLI AND TOMES (Vol 37: RTECS, CHRIS, & NEW JERSEY HAZARDOUS SUBSTANCE FACT SHEETS)
Other Special Considerations	No additional remark.

Validated by Larry Myers on 3/25/99.

Verified by Paul Bradley.

Printed 9/13/99.

Chemtrec: (800) 424-9300
FINA: (800) 322-FINA

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 0206

1. RCRA Exempt: ☐ Non-Exempt: ■ Verbal Approval Received: Yes ■ No ☐ **Denny Foust 11/16/01**	4. Generator **Farmington Chemical Dist.**
	5. Originating Site **Same as above**
2. Management Facility Destination **Tierra Landfarm**	6. Transporter **CDI**
3. Address of Facility Operator **420 CR 3100 Aztec, NM 87410**	8. State **NM**
7. Location of Material (Street Address or ULSTR) **3900 Monroe Rd. Farmington**	

DEC 2001
RECEIVED
OIL CON. DIV
DIST. 3

9. Circle One:

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

(B) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved

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

BRIEF DESCRIPTION OF MATERIAL:

By-products from the production of Bisulfite

(There have been no changes in the production process since the original material acceptance was approved. The original lab analysis is attached.)

Last tested 10/10/97

Estimated Volume ____ cy Known Volume (to be entered by the operator at the end of the haul) **18** cy

SIGNATURE _____ TITLE: **Environmental Specialist** DATE: **11/28/01**
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: **Jeremy J. Bath** TELEPHONE NO. **334-8894**

(This space for State Use)

APPROVED BY: Denny Foust TITLE: Env Rpt/Engr DATE: 12/5/01

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 12-11-01

12/11 01-3

FAX # 334-9024

NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178 Fax (505)334-6

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Farmington Chem Dist.	TIERRA.
3. Originating Site (name): F.C.D. Attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): 3900 Monroe Rd Farmington NM 8740.
4. Source and Description of Waste: Salt - KCl. Potassium chloride (Same material from last Time we sent to Disposal. H&R not changed procedures) Bisulfite - Thio sulfate. SMALL Amount of Caustic - Sodium Hydroxide.	

I, Jerry Hughes (Print Name) representative for: Alb. Resins. D.B.A Farmington Chemical Dist. do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

___ EXEMPT oilfield waste

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

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

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

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

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): Jerry Hughes

Title: Operations Manager

MATERIAL SAFETY DATA SHEET 104 ASH

POTASH
CAUTION - MAY CAUSE SKIN AND EYE IRRITATION

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

TEXASGULF Inc.
3101 Glenwood Avenue
P.O. Box 30321
Raleigh, N.C. 27622-0321 (919) 881-270(

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

PRODUCT INFORMATION

CHEMICAL NAME AND SYNONYMS
POTASSIUM CHLORIDE

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

CHEMICAL FAMILY
INORGANIC SALT

FORMULA
KCl

CAS NUMBER
7447-40-7

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

_____IARC MONOGRAPH; _____X_____NONE OF THE ABOVE

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

PHYSICAL DATA

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

FIRE AND EXPLOSION HAZARD INFORMATION

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

HEATLH INFORMATION

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

CHAIN OF CUSTODY RECORD

RA
RONMENTAL
ANY Inc.

R 15250 FARMINGTON, NM 87401

505-334-8894

Date: 10-10-97

Page 1 of 1

97152-

der No.: | Job No.

me Tim Nobis

mpany Tierra Environmental | Dept.

dress P.O. Drawer 15250

y, State, Zip Farmington NM 87401

cation:

Tim Nobis

SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	MATRIX	PRES.	Number of Containers	TCLP w/o H2S	Corrosivity	Reactivity	Ignitability	LAB ID
E-1	10-8	1130	Soil		1	X	X	X	X	10724

REPORT RESULTS TO

Name | Title

Company

Mailing Address

City, State, Zip

Telephone No. | Telefax No.

ANALYSIS REQUESTED

d by: Tim Nobis Date Time 10/10/97 1200hrs | Received by: | Date/Time 10/10/97 12:55 pm

d by: Date/Time | Received by: | Date/Time 10/10/97 4:07

d by: Date/Time | Received by: | Date/Time

Shipment:

by: Date

Rush | 24-48 Hours | 10 Working Days | Special Instructions:

ILFC Laboratory Report

Sample Date: 10/8/97 — Tierra Environmental Co., Inc.

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

Batch # 97152 — Soil — **ILFC #** 107

Corrosivity

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

Ignitability

IGNT (Celsius)
>60C

Reactive Cyanide: Method 9010

Reactive CN (mg/kg)
<0.025

Reactive Sulfide: Method 9030

Reactive SU (mg/kg)
<20

End of Analyses

Sample Date:	10/8/97	Tierra Environmental Co., Inc.	
Registered Date/Time:	10/16/1997 02:25:44 PM	Not Given	
Batch #	97152	Soil	ILFC # 107(

TCLP Metals analysis by ICP: EPA 6010

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

TCLP Volatile Organics: EPA Method 8260

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

TCLP Base Nuetrals: EPA Method 8270

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

TCLP Acids: EPA Method 8270

Analyte	MDL (mg/L)	Concentration	Limit (mg/L)
o-Cresol	0.005	<0.005	200
m,p-Cresol	0.005	<0.005	200
Pentachlorophenol	0.005	<0.005	200

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

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

ILFC Laboratory Report

for

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

Project No: **Not Given**
Project Location: Not Given

Sampler:
Date Sampled: 10/8/97
Date Received: 10/10/97
Date Reported: 10/31/1997
Report #: 97152

oratory Manager

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

EMERGENCY AND FIRST AID PROCEDURES

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

REACTIVITY DATA

STABILITY	☐	**UNSTABLE**	**CONDITIONS TO AVOID**	NONE
	☒	**STABLE**		

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

HAZARDOUS POLYMERIZATION	☐	**May Occur**	**CONDITIONS TO AVOID**	NONE
	☒	**Will Not Occur**		

SPILL OR LEAK PROCEDURES

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

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

PERSONAL PROTECTION INFORMATION

EYE-Tight fitting goggles should be worn in dusty areas.
SKIN-If irritation occurs, long sleeves and impervious gloves should be worn.
RESPIRATORY-A NIOSH-approved dust respirator should be used when exposure exceeds the OSHA standard of 15 mg/m³.

SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING NONE

OTHER PRECAUTIONS Potash is mildly corrosive to steel when wet.

Rosen Anderson

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 0199

1. RCRA Exempt: ☐ Non-Exempt: ■ Verbal Approval Received: Yes ■ No ☐ discussed Denny Foust 11/6/01	4. Generator **Red Cedar Gathering**
	5. Originating Site **Six Shooter Comp.**
2. Management Facility Destination **Tierra Landfarm**	6. Transporter **RBO**
3. Address of Facility Operator **420 CR 3100 Aztec, NM 87410**	8. State **CO**
7. Location of Material (Street Address or ULSTR) **Sec. 34 T33W R9W**	

9. Circle One:

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

(B) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved

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

BRIEF DESCRIPTION OF MATERIAL:

Lube Oil impacted soil

NOV 2001
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OIL CON. DIV.
DIST. 3

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

SIGNATURE _____ TITLE: **Environmental Specialist** DATE: **11/20/01**
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: **Jeremy J. Bath** TELEPHONE NO. **334-8894**

(This space for State Use)

APPROVED BY: _____ TITLE: Envir/Engnr DATE: 11/29/01

APPROVED BY: _____ TITLE Environmental Geologist DATE: 12-11-01

12110-1

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name and Address:
Red Cedar Gathering 26266 Highway 160 Durango, CO 81303	Tierra Environmental Co., Inc., Land Farm 420 Road 3100 Aztec, NM 87410
3. Originating Site (name): Six Shooter Compressor Station at Sec. 34 of T33 North R9 West	
4. Source and Description of Waste (revised): Soils impacted by lube oil - Approximately 5 yards^3.	

I, Shawn A. Young, representative for Red Cedar Gathering do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1998 regulatory determination, the above-described waste is classified as indicated below:

☐ **EXEMPT** oilfield waste

☒ **NON-EXEMPT** oilfield waste which is non-hazardous by characteristic analysis or by product identification and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste only, the following documentation is attached:

☐ MSDS Information

☒ Other (Description): Laboratory Analysis

☒ RCRA Hazardous Waste Analysis

☐ Chain of Custody

Name (Original Signature): X _____

Title: Safety & Environmental Manager

Date: October 9, 2001

Certificate From Out Of State Agency Authorizing Removal Of RCRA Non-Exempt, Non-Toxic, Oilfield Waste From Their Jurisdiction To New Mexico

I have reviewed the enclosed information concerning the Non-exempt, Non-toxic oilfield waste material from Red Cedar Gathering Company's Six Shooter Compressor Station at Section 34 of Township 33N Range 9W and agree that by its description it is non-hazardous as defined by the Resource Conservation and Recovery Act (RCRA) and my jurisdiction's rules, regulations or statutes.

- The material is Non-exempt oilfield waste.
- The material is Non-hazardous by regulatory definition.

THEREFORE:
As a representative for the Southern Ute Indian Tribe I have no objection to the material being removed to New Mexico.

Name: Fran King-Brown Title: Head of Environmental Programs Division

Signature: X Fran King-Brown Date: 9-27-01

Agency: Southern Ute Indian Tribe
Address P.O. Box 737, Ignacio, Colorado 81137
Phone: (970) 563-0135

Post-it® Fax Note 7671	Date 9-27-01	# of pages ▶ 1
To Shawn Young	From F King Brown	
Co./Dept.	Co.	
Phone #	Phone # 563-0135	
Fax # 382-4632	Fax #	

hard copy in mail

Client:	**Red Cedar Gathering**		
Project:	6 Shooter	Date Reported:	07/26/01
Sample ID:	6 Shooter - 071101	Date Sampled:	07/11/01
Laboratory ID:	0301W03220	Date Received:	07/11/01
Sample Matrix:	Soil	Date Analyzed:	07/25/01
Condition:	Intact		

Analyte	Result	Units	PQL
Ignitability	>140	° F	N/A
Corrosivity (pH)	7.95	s.u.	0.1
Reactive Cyanide	ND	mg/Kg	10
Reactive Sulfide	ND	mg/Kg	10

ND - Analyte not detected at stated detection level.

References:

Analysis performed according to SW-846 "Test Methods for Evaluating Liquid/Solid Waste: Physical/Chemical Methods" United States Environmental Protection Agency 3rd Edition, Final Update, December, 1995.

ASTM Annual Book of Standards.

Reported by: _____ Reviewed by: _____

Quality Control / Quality Assurance

Spike Analysis

TOTAL METALS

Client:	**Red Cedar Gathering**	Date Reported:	07/26/01
Project:	6 Shooter	Date Analyzed:	07/17/01
Sample Matrix:	Soil	Date Received:	07/11/01

Spike Analysis

Parameter	Spike Result (mg/Kg)	Sample Result (mg/Kg)	Spike Added (mg/Kg)	Percent Recovery	Acceptance Limits
Arsenic	0.02	0.010	0.01	**104%**	75-125%
Barium	0.48	<1.0	0.50	**96%**	75-125%
Cadmium	0.02	<0.5	0.03	**98%**	75-125%
Chromium	0.10	<1.0	0.10	**102%**	75-125%
Lead	0.09	<5.0	0.10	**92%**	75-125%
Mercury	0.002	<0.06	0.002	**99%**	75-125%
Selenium	0.02	0.01	0.01	**99%**	75-125%
Silver	0.01	<2.0	0.01	**98%**	75-125%

Reference: "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", SW-846, United States Environmental Protection Agency, November, 1986

Comments:

Reported by: _____

Reviewed by: _____

Quality Control / Quality Assurance

Known Analysis / Blank Analysis

TOTAL METALS

Client:	**Red Cedar Gathering**	Date Reported:	07/26/01
Project:	6 Shooter	Date Analyzed:	07/17/01
Sample Matrix:	Soil	Date Received:	07/11/01

Known Analysis

Parameter	Found Concentration	Known Concentration	Units	Percent Recovery	Acceptance Limits
Arsenic	0.04	0.04	mg/Kg	**105%**	90-110%
Barium	1.90	2.00	mg/Kg	**95%**	90-110%
Cadmium	1.98	2.00	mg/Kg	**99%**	90-110%
Chromium	2.08	2.00	mg/Kg	**104%**	90-110%
Lead	1.96	2.00	mg/Kg	**98%**	90-110%
Mercury	0.003	0.003	mg/Kg	**100%**	90-110%
Selenium	0.02	0.02	mg/Kg	**100%**	90-110%
Silver	0.25	0.25	mg/Kg	**101%**	90-110%

Method Blank Analysis

Parameter	Result	Detection Limit	Units
Arsenic	**ND**	6	mg/Kg
Barium	**ND**	1	mg/Kg
Cadmium	**ND**	0.5	mg/Kg
Chromium	**ND**	1	mg/Kg
Lead	**ND**	5	mg/Kg
Mercury	**ND**	0.06	mg/Kg
Selenium	**ND**	4	mg/Kg
Silver	**ND**	2	mg/Kg

Reference: "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", SW-846, United States Environmental Protection Agency, November, 1986.

Comments:

Reported by: _____

Reviewed by: _____

Inter·Mountain Laboratories, Inc.

2506 West Main Stre
Farmington, NM 874(

Client: Red Cedar Gathering
Project: 6 Shooter
Sample ID: 6 Shooter - 071101
Lab ID: 0301W03220
Matrix: Soil
Condition: Cool/Intact

Date Reported: 07/26/01
Date Sampled: 07/11/01
Date Received: 07/11/01
Date Analyzed: 07/16/01

Parameter	Analytical Result	PQL	MCL	Units
RCRA METALS - Method 3050				
Arsenic	<0.5	0.5	100	mg/Kg
Barium	221	1	2000	mg/Kg
Cadmium	<0.5	0.5	20	mg/Kg
Chromium	9.1	1	100	mg/Kg
Lead	11	5	100	mg/Kg
Mercury	<0.02	0.02	4	mg/Kg
Selenium	<0.5	0.5	20	mg/Kg
Silver	<2	2	100	mg/Kg

Reference: SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, November, 1986.
SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, Final Update 1, July 1992.

Reviewed By: _____
William Lipps

605717-00 MOBIL PEGASUS 89
MATERIAL SAFETY DATA BULLETIN

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MOBIL PEGASUS 89
SUPPLIER: EXXONMOBIL OIL CORPORATION
3225 GALLOWS RD.
FAIRFAX, VA 22037

24 - Hour Emergency (call collect):	609-737-4411	
Product and MSDS Information:	800-662-4525	856-224-4644
CHEMTREC:	800-424-9300	202-483-7616

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAMES AND SYNONYMS: PET. HYDROCARBONS AND ADDITIVES
INGREDIENTS CONSIDERED HAZARDOUS TO HEALTH:
This product is not formulated to contain ingredients which have exposure limits established by U.S. agencies. It is not hazardous to health as defined by the European Union Dangerous Substances/Preparations Directives. See Section 15 for a regulatory analysis of the ingredients.
See Section 15 for European Label Information.
See Section 8 for exposure limits (if applicable).

3. HAZARDS IDENTIFICATION

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

4. FIRST AID MEASURES

EYE CONTACT: Flush thoroughly with water. If irritation occurs, call a physician.
SKIN CONTACT: Wash contact areas with soap and water.
INHALATION: Not expected to be a problem.
INGESTION: Not expected to be a problem. However, if greater than 1/2 liter (pint) ingested, seek medical attention.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog.
SPECIAL FIRE FIGHTING PROCEDURES: Water or foam may cause frothing. Use water to keep fire exposed containers cool. Water spray may be used to flush spills away from exposure. Prevent runoff from fire control or dilution from entering streams, sewers, or

drinking water supply.
SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None. Flash Point C(F): > 246(475) (ASTM D-92). Flammable limits - LEL: NA, UEL: NA.
NFPA HAZARD ID: Health: 0, Flammability: 1, Reactivity: 0
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide. Metal oxides. Elemental oxides.

6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES: Report spills as required to appropriate authorities. U. S. Coast Guard regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to Coast Guard toll free number (800) 424-8802. In case of accident or road spill notify CHEMTREC (800) 424-9300.
PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: Adsorb on fire retardant treated sawdust, diatomaceous earth, etc. Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.
ENVIRONMENTAL PRECAUTIONS: Prevent spills from entering storm sewers or drains and contact with soil.
PERSONAL PRECAUTIONS: See Section 8

7. HANDLING AND STORAGE

HANDLING: No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection advice when handling this product.
STORAGE: Do not store in open or unlabelled containers. Store away from strong oxidizing agents or combustible material.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: No special requirements under ordinary conditions of use and with adequate ventilation.
RESPIRATORY PROTECTION: No special requirements under ordinary conditions of use and with adequate ventilation.
EYE PROTECTION: Normal industrial eye protection practices should be employed.
SKIN PROTECTION: No special equipment required. However, good personal hygiene practices should always be followed.
EXPOSURE LIMITS: This product does not contain any components which have recognized exposure limits. However, a exposure limit of 5.00 mg/m3 is suggested for oil mist.

9. PHYSICAL AND CHEMICAL PROPERTIES

Typical physical properties are given below. Consult Product Data Sheet for specific details.
APPEARANCE: Liquid
COLOR: Amber
ODOR: Mild
ODOR THRESHOLD-ppm: NE

pH: 8.8
BOILING POINT C(F): 388(730)
MELTING POINT C(F): NA
FLASH POINT C(F): > 246(475) (ASTM D-92)
FLAMMABILITY: NE
AUTO FLAMMABILITY: NE
EXPLOSIVE PROPERTIES: NA
OXIDIZING PROPERTIES: NA
VAPOR PRESSURE-mmHg 20 C: < 0.1
VAPOR DENSITY: > 2.0
EVAPORATION RATE: NE
RELATIVE DENSITY, 15/4 C: 0.896
SOLUBILITY IN WATER: Negligible
PARTITION COEFFICIENT: > 3.5
VISCOSITY AT 40 C, cSt: 121.0
VISCOSITY AT 100 C, cSt: 13.3
POUR POINT C(F): < -15(5)
FREEZING POINT C(F): NE
VOLATILE ORGANIC COMPOUND: NE
NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES
FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE

---

10. STABILITY AND REACTIVITY

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

---

11. TOXICOLOGICAL DATA

---ACUTE TOXICOLOGY---
ORAL TOXICITY (RATS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.
DERMAL TOXICITY (RABBITS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.
INHALATION TOXICITY (RATS): Practically non-toxic (LC50: greater than 5 mg/l). ---Based on testing of similar products and/or the components.
EYE IRRITATION (RABBITS): Practically non-irritating. (Draize score: greater than 6 but 15 or less). ---Based on testing of similar products and/or the components.
SKIN IRRITATION (RABBITS): Practically non-irritating. (Primary Irritation Index: greater than 0.5 but less than 3). ---Based on testing of similar products and/or the components.
OTHER ACUTE TOXICITY DATA: The acute toxicological results summarized above are based on testing of representative Mobil products. Representative Mobil formulations have shown no acute effects, administered via the inhalation route, when tested at maximum attainable oil mist or vapor concentrations.
---SUBCHRONIC TOXICOLOGY (SUMMARY)---
Representative Mobil formulations have been tested at the Mobil Environmental and Health Sciences Laboratory by dermal applications to rats 5 days/week for 90 days at doses significantly higher than those expected during normal industrial exposure. Extensive evaluations, including microscopic

examination of internal organs and clinical chemistry of body fluids, showed no adverse effects.

---REPRODUCTIVE TOXICOLOGY (SUMMARY)---

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

---CHRONIC TOXICOLOGY (SUMMARY)---

The base oils in this product are severely solvent refined and/or severely hydrotreated. Chronic mouse skin painting studies of severely treated oils showed no evidence of carcinogenic effects. These results are confirmed on a continuing basis using various screening methods such as the Mobil Modified Ames Test and IP-346.

---SENSITIZATION (SUMMARY)---

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

---OTHER TOXICOLOGY DATA---

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

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND EFFECTS: This product is expected to be inherently biodegradable. There is no evidence to suggest bioaccumulation will occur. It is not expected to be toxic to aquatic organisms.
Accidental spillage may lead to penetration in the soil and groundwater. However, there is no evidence that this would cause adverse ecological effects.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Such burning may be limited pursuant to the Resource Conservation and Recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate government waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.
RCRA INFORMATION: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

14. TRANSPORT INFORMATION

USA DOT: NOT REGULATED BY USA DOT.
RID/ADR: NOT REGULATED BY RID/ADR.
IMO: NOT REGULATED BY IMO.
IATA: NOT REGULATED BY IATA.

15. REGULATORY INFORMATION

Governmental Inventory Status: All components comply with TSCA, EINECS/ELINCS, AICS, and DSL.
EU Labeling: EU labeling not required.
U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:
This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".
SARA (311/312) REPORTABLE HAZARD CATEGORIES: None.
This product contains no chemicals subject to the supplier notification requirements of SARA (313) toxic release program.
The following product ingredients are cited on the lists below:

CHEMICAL NAME	CAS NUMBER	LIST CITATIONS
ZINC (ELEMENTAL ANALYSIS) (>0.02%)	7440-66-6	22
PHOSPHORODITHOIC ACID, O,O-DI C1-14-ALKYL ESTERS, ZINC SALTS (2:1) (ZDDP) (0.26%)	68649-42-3	22

--- REGULATORY LISTS SEARCHED ---

1=ACGIH ALL	6=IARC 1	11=TSCA 4	16=CA P65 CARC	21=LA RTK
2=ACGIH A1	7=IARC 2A	12=TSCA 5a2	17=CA P65 REPRO	22=MI 293
3=ACGIH A2	8=IARC 2B	13=TSCA 5e	18=CA RTK	23=MN RTK
4=NTP CARC	9=OSHA CARC	14=TSCA 6	19=FL RTK	24=NJ RTK
5=NTP SUS	10=OSHA Z	15=TSCA 12b	20=IL RTK	25=PA RTK
				26=RI RTK

Code key: CARC=Carcinogen; SUS=Suspected Carcinogen; REPRO=Reproductive

16. OTHER INFORMATION

USE: NATURAL GAS ENGINE OIL
NOTE: PRODUCTS OF EXXON MOBIL CORPORATION AND ITS AFFILIATED COMPANIES ARE NOT FORMULATED TO CONTAIN PCBS.

Please call the Customer Response Center on 800-662-4525 for formulation disclosure.

****
For Internal Use Only: MHC: 1* 1* 0* 1* 1*, MPPEC: A, TRN: 605717-00, ELIS: 403164, CMCS97: 979930, REQ: US - MARKETING, SAFE USE: L
EHS Approval Date: 01JAN2001
****

****
Legally required information is given in accordance with applicable Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user and WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. Nothing is intended as a recommendation for uses which infringe valid patents or as extending any license under valid patents. Appropiate warnings and safe handling procedures should be providedto handlers and users. Use or re-transmission of the information contained herein in any other format than the format as presented is strictly prohibited. Mobil neither represents nor warrants that the format, content or product formulas contained in this document comply with the laws of any other country except the United States of America.
****

Roger Anderson

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 019

1. RCRA Exempt: ☐ Non-Exempt: ■ Verbal Approval Received: Yes ■ No ☐	4. Generator **Compressor Systems Inc.** 5. Originating Site **S.J. 30-S #207** Phillips
2. Management Facility Destination **Tierra Landfarm**	6. Transporter **Paul & Son Construction**
3. Address of Facility Operator **420 CR 3100 Aztec, NM 87410**	8. State **NM**
7. Location of Material (Street Address or ULSTR) **Sec. 18 T30N R5W**	

9. Circle One:

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

(B) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved

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

BRIEF DESCRIPTION OF MATERIAL:

Used motor oil & dirt resulting from an engine line break

NOV 2001
RECEIVED
OIL CON. DIV
DIST. 3

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

SIGNATURE _____ TITLE: **Environmental Specialist** DATE: **10/29/01**
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: **Jeremy J. Bath** TELEPHONE NO. **334-8894**

(This space for State Use)

APPROVED BY: _____ TITLE: Enviro/Eng DATE: 11/01/01

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 11-5-01

NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
GOVERNOR

OIL CONSERVATION DIVISION
ABYSS DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178 Fax (505)334-6170

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
C.S.I.	Tierra
3. Originating Site (name): S.J. 30-5 #207	Location of the Waste (Street address &/or ULSTR): 2,090 FSL, 1197 FWL SEC. 18, T30N, R 5W
Attach list of originating sites as appropriate	Rio Arriba
4. Source and Description of Waste: Line on Engine broke and let 50 gal. of oil run onto ground.	

I, Bill Henderson (Print Name) representative for:

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

___ EXEMPT oilfield waste

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

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

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

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

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): Bill Henderson

Title: Maint. Superintendent

Date: 10-22-01

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

22 OK Denny

Client:	Tierra Environmental	Project #:	94074-003
Sample ID:	30 - 5 207	Date Reported:	10-19-01
Laboratory Number:	21284	Date Sampled:	10-16-01
Chain of Custody:	9602	Date Received:	10-17-01
Sample Matrix:	Soil	Date Analyzed:	10-19-01
Preservative:	Cool	Date Digested:	10-19-01
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	**0.018**	**0.002**	**5.0**
Barium	**7.48**	**0.002**	**100**
Cadmium	**0.050**	**0.002**	**1.0**
Chromium	**1.72**	**0.002**	**5.0**
Lead	**5.50**	**0.002**	**5.0**
Mercury	**0.008**	**0.002**	**0.2**
Selenium	**0.010**	**0.002**	**1.0**
Silver	**ND**	**0.002**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **CSI 239 - 207 Phillips 30 - 5 207.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	Tierra Environmental	Project #:	94074-003
Sample ID:	30 - 5 239	Date Reported:	10-19-01
Laboratory Number:	21285	Date Sampled:	10-16-01
Chain of Custody:	9602	Date Received:	10-17-01
Sample Matrix:	Soil	Date Analyzed:	10-19-01
Preservative:	Cool	Date Digested:	10-19-01
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	**0.016**	**0.002**	**5.0**
Barium	**8.38**	**0.002**	**100**
Cadmium	**0.016**	**0.002**	**1.0**
Chromium	**1.58**	**0.002**	**5.0**
Lead	**4.96**	**0.002**	**5.0**
Mercury	**0.006**	**0.002**	**0.2**
Selenium	**0.006**	**0.002**	**1.0**
Silver	**ND**	**0.002**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **CSI 239 - 207 Phillips 30 - 5 239.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS
Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	10-19-TM QA/QC	Date Reported:	10-19-01
Laboratory Number:	21284	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	10-19-01
Condition:	N/A	Date Digested:	10-19-01

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.002	0.018	0.018	0.0%	0% - 30%
Barium	ND	ND	0.002	7.48	7.44	0.5%	0% - 30%
Cadmium	ND	ND	0.002	0.050	0.050	0.0%	0% - 30%
Chromium	ND	ND	0.002	1.72	1.71	0.6%	0% - 30%
Lead	ND	ND	0.002	5.50	5.44	1.1%	0% - 30%
Mercury	ND	ND	0.002	0.008	0.008	0.0%	0% - 30%
Selenium	ND	ND	0.002	0.010	0.010	0.0%	0% - 30%
Silver	ND	ND	0.002	ND	ND	0.0%	0% - 30%

Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	1.00	0.018	1.02	100.2%	80% - 120%
Barium	1.00	7.48	8.5	99.8%	80% - 120%
Cadmium	1.00	0.050	1.05	100.0%	80% - 120%
Chromium	1.00	1.72	2.70	99.3%	80% - 120%
Lead	1.00	5.50	6.48	99.7%	80% - 120%
Mercury	0.100	0.008	0.106	98.1%	80% - 120%
Selenium	1.00	0.010	1.01	100.0%	80% - 120%
Silver	1.00	ND	0.998	99.8%	80% - 120%

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Comments: **QA/QC for samples 21284 - 21285.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

CHAIN OF CUSTODY RECORD

09602

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
Tierra CDI 239-207	Phillips 30-5-207 & 305-239	

Sampler:	Client No.
Jon G. Nobis	94074-003

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	RCRA Metals						Remarks
30-5 207	10-16-01	3:28pm	21284	Soil	1	✓						
30-5 239	10-16-01	3:42pm	21285	"	1	✓						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10-17-01	10:00		10-17-01	10:00
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.

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

Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		

173262
DOD Hazardous Materials Information System

DoD 6050.5-L

AS OF July 1998

FSC: 9150
NIIN: 013522962
Manufacturer's CAGE: 81230
Part No. Indicator: A
Part Number/Trade Name: CHEVRON RPM HEAVY DUTY MOTOR OIL SAE 15W-40

General Information

Item Name: LUBRICATING OIL, ENGINE
Company's Name: CHEVRON U S A INC
Company's Street: 575 MARKET ST
Company's P. O. Box: 7643
Company's City: SAN FRANCISCO
Company's State: CA
Company's Country: US
Company's Zip Code: 94120
Company's Emerg Ph #: 800-457-2022/510-233-3737
Company's Info Ph #: 800-582-3835
Distributor/Vendor # 1:
Distributor/Vendor # 1 Cage:
Distributor/Vendor # 2:
Distributor/Vendor # 2 Cage:
Distributor/Vendor # 3:
Distributor/Vendor # 3 Cage:
Distributor/Vendor # 4:
Distributor/Vendor # 4 Cage:
Safety Data Action Code:
Safety Focal Point: D
Record No. For Safety Entry: 013
Tot Safety Entries This Stk#: 014
Status: SE
Date MSDS Prepared: 20MAR93
Safety Data Review Date: 14JUL93
Supply Item Manager: CX
MSDS Preparer's Name:
Preparer's Company:
Preparer's St Or P. O. Box:
Preparer's City:
Preparer's State:
Preparer's Zip Code:

173262

Other MSDS Number:
MSDS Serial Number: BNCPG
Specification Number: A-A-52306
Spec Type, Grade, Class: 15W-40 GRADE
Hazard Characteristic Code: N1
Unit Of Issue: CO
Unit Of Issue Container Qty: 5 GALLONS
Type Of Container: CONTAINER
Net Unit Weight: 37.1 LBS

Report for NIIN: 013522962

NRC/State License Number: N/R
Net Explosive Weight:
Net Propellant Weight-Ammo: N/R
Coast Guard Ammunition Code:

Ingredients/Identity Information

Proprietary: NO
Ingredient: DISTILLATES, HYDROTREATED HEAVY PARAFFINIC
Ingredient Sequence Number: 01
Percent: >75
Ingredient Action Code:
Ingredient Focal Point: D
NIOSH (RTECS) Number: PY8035500
CAS Number: 64742-54-7
OSHA PEL: 5 MG/M3 (OIL MIST)
ACGIH TLV: 5 MG/M3 (OIL MIST)
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: PETROLEUM DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC
Ingredient Sequence Number: 02
Percent: <25
Ingredient Action Code:
Ingredient Focal Point: D
NIOSH (RTECS) Number: PY8038500
CAS Number: 64742-65-0
OSHA PEL: 5 MG/M3 (OIL MIST)
ACGIH TLV: 5 MG/M3 (OIL MIST)
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: ZINC ALKYL DITHIOPHOSPHATE, (PHOSPHORODITHIOIC ACID,O,O-DI

173262

CL-14-ALKYL ESTERS, ZINC SALT)
Ingredient Sequence Number: 03
Percent: <1.5
Ingredient Action Code:
Ingredient Focal Point: D
NIOSH (RTECS) Number: 1001740ZA
CAS Number: 68649-42-3
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE SPECIFIED

Physical/Chemical Characteristics

Appearance And Odor: DARK AMBER LIQUID.
Boiling Point: NDA
Melting Point: NDA
Vapor Pressure (MM Hg/70 F): NA
Vapor Density (Air=1): NA
Specific Gravity: 0.89
Decomposition Temperature: UNKNOWN

Report for NIIN: 013622962 .

Evaporation Rate And Ref: NA
Solubility In Water: INSOLUBLE IN WATER.
Percent Volatiles By Volume: NA
Viscosity: 13.9CST @212F
pH: NDA
Radioactivity:
Form (Radioactive Matl):
Magnetism (Milligauss): N/P
Corrosion Rate (IPY): NA
Autoignition Temperature:

Fire and Explosion Hazard Data

Flash Point: 419F,215C
Flash Point Method: COC
Lower Explosive Limit: NA
Upper Explosive Limit: NA
Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL, FOAM, WATER FOG.
Special Fire Fighting Proc: FOR FIRES INVOLVING MATERIAL, DO NOT ENTER ANY
ENCLOSED OR CONFINED FIRE SPACE WITHOUT PROPER PROTECTIVE EQUIPMENT.

173262

INCLUDING SELF-CONTAINED BREATHING APPARATUS
Unusual Fire And Expl Hazrds: NORMAL COMBUSTION FORMS CARBON DIOXIDE, WATER VAPOR & MAY PRODUCE OXIDES OF SULFUR, NITROGEN & PHOSPHOROUS. INCOMPLETE COMBUSTION CAN PRODUCE CARBON MONOXIDE.

Reactivity Data

Stability: YES
Cond To Avoid (Stability): NO DATA AVAILABLE.
Materials To Avoid: MAY REACT WITH STRONG OXIDIZING AGENTS, SUCH AS CHLORATES, NITRATES, PEROXIDES, ETC.
Hazardous Decomp Products: NDA.
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT APPLICABLE

Health Hazard Data

LD50-LC50 Mixture: LD50 ORAL RAT IS > 5000 MG/KG
Route Of Entry - Inhalation: NO
Route Of Entry - Skin: NO
Route Of Entry - Ingestion: NO
Health Haz Acute And Chronic: EYE & SKIN: THIS SUBSTANCE IS NOT EXPECTED TO CAUSE PROLONGED OR SIGNIFICANT EYE OR SKIN IRRITATION. INGESTION & INHALATION: THE SYSTEMIC TOXICITY OF THIS SUBSTANCE HAS NOT BEEN DETERMINED. HOWEVER, IT SHOULD BE PRACTICALLY NON-TOXIC TO INTERNAL ORGANS IF SWALLOWED OR INHALED.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NONE OF THE INGREDIENTS IN THIS PRODUCT IS LISTED BY NTP, IARC OR OSHA AS A CARCINOGEN.
Signs/Symptoms Of Overexp: NONE SPECIFIED BY MANUFACTURER.
Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.

Report for NIIN: 013522962

Emergency/First Aid Proc: EYES: AS A PRECAUTION FLUSH EYE WITH FRESH WATER FOR 15 MINUTES. SKIN: AS A PRECAUTION, WASH SKIN THOROUGHLY WITH SOAP & WATER. INGESTION: GIVE WATER OR MILK TO DRINK & TELEPHONE FOR MEDICAL

ADVICE. CONSULT MEDICAL PERSONNEL BEFORE INDUCING VOMITING. INHALATION
: NO
FIRST AID PROCEDURES REQUIRED.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: STOP THE SOURCE OF LEAK OR RELEASE. CLEA
N UP
RELEASE AS SOON AS POSSIBLE. CONTAIN LIQUID TO PREVENT FURTHER
CONTAMINATION. CLEAN UP SMALL SPILLS USING APPROPIATE TECHNIQUES SUCH
AS
SORBENT MATERIALS OR PUMPING.
Neutralizing Agent: NOT APPLICABLE
Waste Disposal Method: CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER. DISPO
SE
OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.
Precautions-Handling/Storing: DO NOT WELD, HEAT OR DRILL CONTAINER.
RESIDUE MAY IGNITE WITH EXPLOSIVE VIOLENCE IF HEATED SUFFICIENTLY.
Other Precautions: CAUTION! DO NOT USE PRESSURE TO EMPTY DRUM OR DRUM
MAY
RUPTURE WITH EXPLOSIVE FORCE. AVOID EYE AND SKIN CONTACT. DO NOT BREAT
HE
VAPORS.

Control Measures

Respiratory Protection: NO SPECIAL RESPIRATORY PROTECTION IS NORMALLY
REQUIRED. HOWEVER, IF OPERATING CONDITIONS CREATE HIGH AIRBORNE
CONCENTRATIONS, THE USE OF AN APPROVED RESPIRATOR IS RECOMMENDED.
Ventilation: USE ADEQUATE VENTILATION TO KEEP THE AIRBORNE CONCENTRATI
ONS
OF THIS MATERIAL BELOW THE RECOMMENDED EXPOSURE STANDARD.
Protective Gloves: NO SPECIAL PROTECTION IS USUALLY NEEDED.
Eye Protection: NO SPECIAL PROTECTION IS USUALLY NEEDED.
Other Protective Equipment: SKIN CONTCAT CAN BE MINIMIZED BY WEARING
PROTECTIVE CLOTHING. EYE BATH AND SAFETY SHOWER.
Work Hygienic Practices. WASH THOROUGHLY AFTER HANDLING AND BEFORE EAT
ING.
LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.
Suppl. Safety & Health Data: USED MOTOR OILS HAVE BEEN SHOWN TO CAUSE
SKIN
CANCER WHEN REPEATEDLY APPLIED TO MOUSE SKIN WITHOUT ANY EFFORT TO REM
OVE
THE MATERIAL BETWEEN APPLICATIONS. THERE IS NO EVIDENCE OF A CAUSAL

173262
RELATIONSHIP BETWEEN SKIN CANCER IN HUMANS AND EXPOSURE TO USED MOTOR OIL.

Transportation Data

Transportation Action Code:
Transportation Focal Point: D
Trans Data Review Date: 93138
DOT PSN Code: ZZZ
DOT Symbol:
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
DOT Class: N/R
DOT ID Number: N/R
DOT Pack Group:
DOT Label: N/R
DOT/DoD Exemption Number:
IMO PSN Code: ZZZ

Report for NIIN: 013522962

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATIO
N
IMO Regulations Page Number: N/R
IMO UN Number: N/R
IMO UN Class: N/R
IMO Subsidiary Risk Label: N/R
IATA PSN Code: ZZZ
IATA UN ID Number: N/R
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATIO
N
IATA UN Class: N/R
IATA Subsidiary Risk Class: N/R
IATA Label: N/R
AFI PSN Code: ZZZ
AFI Symbols:
AFI Prop. Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
AFI Class: N/R
AFI ID Number: N/R
AFI Pack Group:
AFI Label: N/R
AFI Special Prov:
AFI Basic Pac Ref:
MMAC Code:
N.O.S. Shipping Name:
Additional Trans Data:

173262

Disposal Data

Disposal Data Action Code:
Disposal Data Focal Point:
Disposal Data Review Date:
Rec # For This Disp Entry:
Tot Disp Entries Per NSN:
Landfill Ban Item:
Disposal Supplemental Data:
1st EPA Haz Wst Code New:
1st EPA Haz Wst Name New:
1st EPA Haz Wst Char New:
1st EPA Acute Hazard New:
2nd EPA Haz Wst Code New:
2nd EPA Haz Wst Name New:
2nd EPA Haz Wst Char New:
2nd EPA Acute Hazard New:
3rd EPA Haz Wst Code New:
3rd EPA Haz Wst Name New:
3rd EPA Haz Wst Char New:
3rd EPA Acute Hazard New:

Label Data

Label Required: NO
Technical Review Date: 14JUL93
Label Date:
MFR Label Number: N/R
Label Status: F

Report for NIIN: 013522962

Common Name: CHEVRON RPM HEAVY DUTY MOTOR OIL SAE 30
Chronic Hazard: NO
Signal Word: CAUTION!
Acute Health Hazard-None: X
Acute Health Hazard-Slight:
Acute Health Hazard-Moderate:
Acute Health Hazard-Severe:
Contact Hazard-None: X
Contact Hazard-Slight:
Contact Hazard-Moderate:
Contact Hazard-Severe:
Fire Hazard-None:

173262

Fire Hazard-Slight: X
Fire Hazard-Moderate:
Fire Hazard-Severe:
Reactivity Hazard-None: X
Reactivity Hazard-Slight:
Reactivity Hazard-Moderate:
Reactivity Hazard-Severe:
Special Hazard Precautions: DO NOT WELD, HEAT OR DRILL CONTAINER. RESI
DUE
MAY IGNITE WITH EXPLOSIVE VIOLENCE IF HEATED SUFFICIENTLY. IN CASE OF
SPILL: STOP THE SOURCE OF LEAK OR RELEASE. CLEAN UP RELEASE AS SOON AS
POSSIBLE. CONTAIN LIQUID TO PREVENT FURTHER CONTAMINATION. CLEAN UP SM
ALL
SPILLS USING APPROPIATE TECHNIQUES SUCH AS SORBENT MATERIALS OR PUMPIN
G.
FIRST AID: EYES: AS A PRECAUTION FLUSH EYE WITH FRESH WATER FOR 15 MIN
UTES.
SKIN: AS A PRECAUTION, WASH SKIN THOROUGHLY WITH SOAP & WATER. INGESTI
ON:
GIVE WATER OR MILK TO DRINK & TELEPHONE FOR MEDICAL ADVICE. CONSULT ME
DICAL
PERSONNEL BEFORE INDUCING VOMITING. INHALATION: NO FIRST AID PROCEDURE
S
REQUIRED.
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: CHEVRON U S A INC
Label Street: 575 MARKET ST
Label P.O. Box: 7643
Label City: SAN FRANCISCO
Label State: CA
Label Zip Code: 94120
Label Country: US
Label Emergency Number: 800-457-2022/510-233-3737
Year Procured: 1992

Roger Anderson

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-138
Revised March 17, 1999

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 0195

1. RCRA Exempt: ☐ Non-Exempt: ■ Verbal Approval Received: Yes ☐ No ■	4. Generator **Burlington Resources** 5. Originating Site **Val Verde Plant**
2. Management Facility Destination **Tierra Landfarm**	6. Transporter **Riley Industrial Services**
3. Address of Facility Operator **420 CR 3100 Aztec, NM 87410**	8. State **NM**
7. Location of Material (Street Address or ULSTR) **Sec. 11 T29N R11W**	

9. Circle One:

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

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved

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

BRIEF DESCRIPTION OF MATERIAL:

Heat Transfer Oil (new) and dirt.

RECEIVED
NOV 13 2001
Environmental Bureau
Oil Conservation Division

NOV 2001
RECEIVED
OIL CON. DIV
DIST. 3

Estimated Volume ____ cy Known Volume (to be entered by the operator at the end of the haul) _5_cy

SIGNATURE _____ TITLE: **Environmental Specialist** DATE: **11/01/01**
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: **Jeremy J. Bath** TELEPHONE NO. **334-8894**

(This space for State Use)

APPROVED BY: _____ TITLE: Enviro/Eng DATE: 11/1/01

APPROVED BY: _____ TITLE: Bureau Chief DATE: 11/13/01

11/30-1

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Burlington Resources 3401 East 30 th Street Farmington NM 87401	Tierra Land Farm
3. Originating Site (name): Val Verde Plant **Unit:** SE	**Location of the Waste (Street address /or ULSTR):** Val Verde Plant **Section:** 11 **Township:** 29N **Range:** 11W
4. Source and Description of Waste: Heat transfer equipment from gas treatment process.	

I, Gregg Wurtz representative for:

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

☐ **EXEMPT oilfield waste**

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

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

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

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

Name (Original Signature): Gregg Wurtz

Title: Environmental Rep.

Date: Wednesday, October 31, 2001

Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Common Name	**Chemtherm 550** Heat transfer Oil
Supplier	COASTAL CHEMICAL CO.,L.L.C. 3520 Veterans Memorial Drive ABBEVILLE, LA 70510 318-893-3862
Synonym	Not available.
Trade name	Not available.
Material Uses	Not available.
Manufacturer	Coastal Chemical Co., Inc. 3520 Charity Street Abbeville, La.

Code	35402
MSDS#	Not available.
Validation Date	10/11/1996
Print Date	08/13/1999

In case of Emergency	Transportation Emergency Call CHEMTREC 800-424-9300 Other Information Call Joe Hudman 713-477-6675

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	TLV/PEL	LC_{50}/LD_{50}
No hazardous ingredient.				

Section 3. Hazards Identification

Emergency Overview	CAUTION! Not expected to cause adverse health effects
Routes of Entry	Skin contact.
Potential Acute Health Effects	No specific information is available in our database regarding the other toxic effects of this material for humans.
Potential Chronic Health Effects	CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS : Not available. Toxicity of the product to the reproductive system: Not available. There is no known effect from chronic exposure to this product. Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4. First Aid Measures

Eye Contact	NO known EFFECT on eye contact, rinse with water for a few minutes.
Skin Contact	NO known EFFECT on skin contact, rinse with water for a few minutes.
Hazardous Skin Contact	No additional information.
Inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Hazardous Inhalation	No additional information.
Ingestion	DO NOT induce vomiting. Seek medical attention.
Hazardous Ingestion	No additional information.

Section 5. Fire and Explosion Data

Flammability of the Product	Combustible.
Auto-Ignition Temperature	>343°C (649.4°F)
Flash Points	OPEN CUP: >160°C (321.8°F) (Cleveland.)
Flammable Limits	Not available.
Products of Combustion	Not available.
Fire Hazards in Presence of Various Substances	No specific information is available in our database regarding the flammability of this product in presence of various materials.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. No specific information is available in our database regarding the product's risks of explosion in the presence of various materials.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemicals, CO2, water spray or foam. LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet.
Special Remarks on Fire Hazards	No additional remark.
Special Remarks on Explosion Hazards	No additional remark.

Section 6. Accidental Release Measures

Small Spill	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Large Spill	Combustible material. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7. Handling and Storage

Handling	Not available.
Storage	Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Provide exhaust ventilation or other engeneering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Personal Protection	Safety glasses. Lab coat. Gloves (impervious).
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Chemical Name or Product Name	CAS #	Exposure Limits
No hazardous ingredients.		

Section 9. Physical and Chemical Properties

Physical state and appearance	Liquid.
Molecular Weight	Not applicable.
pH (1% soln/water)	Not applicable.
Boiling Point	>274°C (527°F)
Melting Point/Pour Point	Not available.
Critical Temperature	Not available.
Specific Gravity	0.9 (Water = 1)
Vapor Pressure	<0.0001 mm of Hg (@ 20°C)
Vapor Density	>5 (Air = 1)
Volatility	0% (v/v). 0% (w/w).
Odor Threshold	Not available.
Evaporation rate	Not available.
Viscosity	Not available.
Water/Oil Dist. Coeff.	Not available.
Ionicity (in Water)	Not available.
Dispersion Properties	Not available.
Solubility	Insoluble in cold water, hot water.
Physical Chemical Comments	Not available.

Odor	Bland. (Slight.)
Taste	Not available.
Color	Colorless to light yellow. (Light.)

Section 10. Stability and Reactivity Data

Chemical Stability	The product is stable.
Conditions of Instability	No additional remark.
Incompatibility with various substances	No specific information is available in our database regarding the reactivity of this material in presence of various other materials.
Hazardous Decomposition Products	Not available.
Hazardous Polymerization	No.

Section 11. Toxicological Information

Toxicity to Animals	LD50: Not available. LC50: Not available.
Chronic Effects on Humans	Toxicity of the product to the reproductive system: Not available.
Other Toxic Effects on Humans	No specific information is available in our database regarding the other toxic effects of this material for humans.
Special Remarks on Toxicity to Animals	No additional remark.
Special Remarks on Chronic Effects on Humans	No additional remark.
Special Remarks on other Toxic Effects on Humans	No additional remark.

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	No additional remark.

Section 13. Disposal Considerations

Waste Disposal	

Section 14. Transport Information

Propper Shipping Name	NONE
DOT Classification	Not a DOT controlled material (United States).
DOT Identification Number	Not applicable
Packing Group	NONE
Hazardous Substances Reportable Quantity (kg)	Not available.
Special Provisions for Transport	Not applicable.

Section 15. Regulatory Information

Federal and State Regulations	Not available.	
Other Classifications	WHMIS (Canada)	Not controlled under WHMIS (Canada).
	DSCL (EEC)	Not controlled under DSCL (Europe).

Section 16. Other Information

HMIS (U.S.A.)

Health Hazard	0
Fire Hazard	1
Reactivity	0
Personal Protection	B

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

References	Not available.
Other Special Considerations	No additional remark.

Validated by Joe Hudman on 10/11/1996.

Verified by Joe Hudman.

Printed 08/13/1999.

Transportation Emergency Call
CHEMTREC 800-424-9300
Other Information Call
Joe Hudman
713-477-6675

Notice to Reader

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

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-138
Revised March 17, 1999

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 0183

1. RCRA Exempt: ☐ Non-Exempt: ■ Verbal Approval Received: Yes ☐ No ■	4. Generator **Burlington Resources** 5. Originating Site **Val Verde Plant**
2. Management Facility Destination **Tierra Landfarm**	6. Transporter **Foutz & Bursum**
3. Address of Facility Operator **420 CR 3100 Aztec, NM 87410**	8. State **NM**
7. Location of Material (Street Address or ULSTR) **Sec. 11 T29N R11W**	

9. Circle One:

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

B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved

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

BRIEF DESCRIPTION OF MATERIAL:

Heat transfer oil and dirt from remediation projects (New oil)

OCT 2001
RECEIVED
OIL CON. DIV
DIST. 3

Estimated Volume ____cy Known Volume (to be entered by the operator at the end of the haul) **_6_**cy

SIGNATURE _____ TITLE: **Environmental Specialist** DATE: **10/9/01**
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: **Jeremy J. Bath** TELEPHONE NO. **334-8894**

(This space for State Use)

APPROVED BY: _____ TITLE: Enviro Eng. DATE: 10/10/2001

APPROVED BY: _____ TITLE: Bureau Chief DATE: 10/11/01

10/9/01 Jeremy

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Burlington Resources 3401 East 30 th Street Farmington NM 87401	Tierra Land Farm
3. Originating Site (name): Val Verde Plant Unit: SE	**Location of the Waste (Street address /or ULSTR):** Val Verde Plant **Section:** 11 **Township:** 29N **Range:** 11W
4. Source and Description of Waste: Heat transfer oil and soil from minor spill and leak remediation projects. See attached NMSDS for Oil	

I, Gregg Wurtz representative for:

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

☐ **EXEMPT** oilfield waste

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

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

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

X MSDS Information

___ RCRA Hazardous Waste Analysis

___ Chain of Custody

___ Other (description):

Name (Original Signature): Gregg Wurtz

Title: Environmental Rep.

Date: Monday, October 08, 2001

Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Common Name	**Chemtherm 550**
Supplier	**COASTAL CHEMICAL CO.,L.L.C.** **3520 Veterans Memorial Drive** **ABBEVILLE, LA 70510** **318-893-3862**
Synonym	Not available.
Trade name	Not available.
Material Uses	Not available.
Manufacturer	Coastal Chemical Co., Inc. 3520 Charity Street Abbeville, La.

Code	35402
MSDS#	Not available.
Validation Date	10/11/1996
Print Date	08/13/1999

In case of Emergency	Transportation Emergency Call CHEMTREC 800-424-9300 Other Information Call Joe Hudman 713-477-6675

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	TLV/PEL	LC_{50}/LD_{50}
No hazardous ingredient.				

Section 3. Hazards Identification

Emergency Overview

CAUTION!

Not expected to cause adverse health effects

Routes of Entry

Skin contact.

Potential Acute Health Effects

No specific information is available in our database regarding the other toxic effects of this material for humans.

Potential Chronic Health Effects

CARCINOGENIC EFFECTS: Not available. **MUTAGENIC EFFECTS:** Not available. **TERATOGENIC EFFECTS** : Not available. Toxicity of the product to the reproductive system: Not available. There is no known effect from chronic exposure to this product. Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4. First Aid Measures

Eye Contact	NO known EFFECT on eye contact, rinse with water for a few minutes.
Skin Contact	NO known EFFECT on skin contact, rinse with water for a few minutes.
Hazardous Skin Contact	No additional information.
Inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Hazardous Inhalation	No additional information.
Ingestion	DO NOT induce vomiting. Seek medical attention.
Hazardous Ingestion	No additional information.

Continued on Next Page

Section 5. Fire and Explosion Data

Flammability of the Product	Combustible.
Auto-Ignition Temperature	>343°C (649.4°F)
Flash Points	OPEN CUP: >160°C (321.8°F) (Cleveland.)
Flammable Limits	Not available.
Products of Combustion	Not available.
Fire Hazards in Presence of Various Substances	No specific information is available in our database regarding the flammability of this product in presence of various materials.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. No specific information is available in our database regarding the product's risks of explosion in the presence of various materials.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemicals, CO2, water spray or foam. LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet.
Special Remarks on Fire Hazards	No additional remark.
Special Remarks on Explosion Hazards	No additional remark.

Section 6. Accidental Release Measures

Small Spill	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Large Spill	Combustible material. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7. Handling and Storage

Handling	Not available.
Storage	Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Provide exhaust ventilation or other engeneering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Personal Protection	Safety glasses. Lab coat. Gloves (impervious).
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Chemical Name or Product Name	CAS #	Exposure Limits
No hazardous ingredients.		

Continued on Next Page

Section 9. Physical and Chemical Properties

Physical state and appearance	Liquid.
Molecular Weight	Not applicable.
pH (1% soln/water)	Not applicable.
Boiling Point	>274°C (527°F)
Melting Point/Pour Point	Not available.
Critical Temperature	Not available.
Specific Gravity	0.9 (Water = 1)
Vapor Pressure	<0.0001 mm of Hg (@ 20°C)
Vapor Density	>5 (Air = 1)
Volatility	0% (v/v), 0% (w/w).
Odor Threshold	Not available.
Evaporation rate	Not available.
Viscosity	Not available.
Water/Oil Dist. Coeff.	Not available.
Ionicity (in Water)	Not available.
Dispersion Properties	Not available.
Solubility	Insoluble in cold water, hot water.
Physical Chemical Comments	Not available.

Odor	Bland. (Slight.)
Taste	Not available.
Color	Colorless to light yellow. (Light.)

Section 10. Stability and Reactivity Data

Chemical Stability	The product is stable.
Conditions of Instability	No additional remark.
Incompatibility with various substances	No specific information is available in our database regarding the reactivity of this material in presence of various other materials.
Hazardous Decomposition Products	Not available.
Hazardous Polymerization	No.

Section 11. Toxicological Information

Toxicity to Animals	LD50: Not available. LC50: Not available.
Chronic Effects on Humans	Toxicity of the product to the reproductive system: Not available.
Other Toxic Effects on Humans	No specific information is available in our database regarding the other toxic effects of this material for humans.
Special Remarks on Toxicity to Animals	No additional remark.
Special Remarks on Chronic Effects on Humans	No additional remark.
Special Remarks on other Toxic Effects on Humans	No additional remark.

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	No additional remark.

Section 13. Disposal Considerations

Waste Disposal	

Section 14. Transport Information

Propper Shipping Name	NONE
DOT Classification	Not a DOT controlled material (United States).
DOT Identification Number	Not applicable
Packing Group	NONE
Hazardous Substances Reportable Quantity (kg)	Not available.
Special Provisions for Transport	Not applicable.

Section 15. Regulatory Information

Federal and State Regulations	Not available.	
Other Classifications	WHMIS (Canada)	Not controlled under WHMIS (Canada).
	DSCL (EEC)	Not controlled under DSCL (Europe).

Section 16. Other Information

HMIS (U.S.A.)

Health Hazard	0
Fire Hazard	1
Reactivity	0
Personal Protection	B

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

Health

Fire Hazard

Reactivity

Specific hazard

References	Not available.
Other Special Considerations	No additional remark.

Validated by Joe Hudman on 10/11/1996.

Verified by Joe Hudman.

Printed 08/13/1999.

Continued on Next Page

Transportation Emergency Call
CHEMTREC 800-424-9300
Other Information Call
Joe Hudman
713-477-6675

Notice to Reader

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

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2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-138
Revised March 17, 1999

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 0184

1. RCRA Exempt: ☐ Non-Exempt: ■ Verbal Approval Received: Yes ☐ No ■	4. Generator **Burlington Resources** 5. Originating Site **Val Verde Plant**
2. Management Facility Destination **Tierra Landfarm**	6. Transporter **Foutz & Bursum**
3. Address of Facility Operator **420 CR 3100 Aztec, NM 87410**	8. State **NM**
7. Location of Material (Street Address or ULSTR) **Sec. 11 T29N R11W**	

9. Circle One:

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

(B) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved

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

BRIEF DESCRIPTION OF MATERIAL:

Heat transfer oil (New) and dirt from gas treatment projects

OCT 2001
RECEIVED
OIL CON. DIV
DIST. 3

Estimated Volume ____cy Known Volume (to be entered by the operator at the end of the haul) _ **8**_cy

SIGNATURE _____ TITLE: **Environmental Specialist** DATE: **10/9/01**
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: **Jeremy J. Bath** TELEPHONE NO. **334-8894**

(This space for State Use)

APPROVED BY: _____ TITLE: Enviro Eng DATE: 10/10/01

APPROVED BY: _____ TITLE: Bureau Chief DATE: 10/11/01

Jeremy Johnson 3

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Burlington Resources 3401 East 30 th Street Farmington NM 87401	Tierra Land Farm
3. Originating Site (name): Val Verde Plant **Unit:** SE	**Location of the Waste (Street address /or ULSTR):** Val Verde Plant **Section:** 11 **Township:** 29N **Range:** 11W
4. Source and Description of Waste: Heat transfer equipment from gas treatment process.	

I, Gregg Wurtz representative for:

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

☐ **EXEMPT oilfield waste**

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

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

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

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

Name (Original Signature): Gregg Wurtz

Title: Environmental Rep.

Date: Monday, October 08, 2001

Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Common Name	**Chemtherm 550**
Supplier	COASTAL CHEMICAL CO.,L.L.C. 3520 Veterans Memorial Drive ABBEVILLE, LA 70510 318-893-3862
Synonym	Not available.
Trade name	Not available.
Material Uses	Not available.
Manufacturer	Coastal Chemical Co., Inc. 3520 Charity Street Abbeville, La.

Code	35402
MSDS#	Not available.
Validation Date	10/11/1996
Print Date	08/13/1999

In case of Emergency: Transportation Emergency Call CHEMTREC 800-424-9300
Other Information Call
Joe Hudman
713-477-6675

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	TLV/PEL	LC_{50}/LD_{50}
No hazardous ingredient.				

Section 3. Hazards Identification

Emergency Overview

CAUTION!

Not expected to cause adverse health effects

Routes of Entry: Skin contact.

Potential Acute Health Effects: No specific information is available in our database regarding the other toxic effects of this material for humans.

Potential Chronic Health Effects: CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS : Not available. Toxicity of the product to the reproductive system: Not available. There is no known effect from chronic exposure to this product. Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4. First Aid Measures

Eye Contact: NO known EFFECT on eye contact, rinse with water for a few minutes.

Skin Contact: NO known EFFECT on skin contact, rinse with water for a few minutes.

Hazardous Skin Contact: No additional information.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Hazardous Inhalation: No additional information.

Ingestion: DO NOT induce vomiting. Seek medical attention.

Hazardous Ingestion: No additional information.

Continued on Next Page

Section 5. Fire and Explosion Data

Flammability of the Product	Combustible.
Auto-Ignition Temperature	>343°C (649.4°F)
Flash Points	OPEN CUP: >160°C (321.8°F) (Cleveland.)
Flammable Limits	Not available.
Products of Combustion	Not available.
Fire Hazards in Presence of Various Substances	No specific information is available in our database regarding the flammability of this product in presence of various materials.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. No specific information is available in our database regarding the product's risks of explosion in the presence of various materials.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemicals, CO2, water spray or foam. LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet.
Special Remarks on Fire Hazards	No additional remark.
Special Remarks on Explosion Hazards	No additional remark.

Section 6. Accidental Release Measures

Small Spill	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Large Spill	Combustible material. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7. Handling and Storage

Handling	Not available.
Storage	Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Provide exhaust ventilation or other engeneering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Personal Protection	Safety glasses. Lab coat. Gloves (Impervious).
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Chemical Name or Product Name	CAS #	Exposure Limits
No hazardous ingredients.		

Continued on Next Page

Section 9. Physical and Chemical Properties

Physical state and appearance	Liquid.
Molecular Weight	Not applicable.
pH (1% soln/water)	Not applicable.
Boiling Point	>274°C (527°F)
Melting Point/Pour Point	Not available.
Critical Temperature	Not available.
Specific Gravity	0.9 (Water = 1)
Vapor Pressure	<0.0001 mm of Hg (@ 20°C)
Vapor Density	>5 (Air = 1)
Volatility	0% (v/v). 0% (w/w).
Odor Threshold	Not available.
Evaporation rate	Not available.
Viscosity	Not available.
Water/Oil Dist. Coeff.	Not available.
Ionicity (In Water)	Not available.
Dispersion Properties	Not available.
Solubility	Insoluble in cold water, hot water.
Physical Chemical Comments	Not available.

Odor	Bland. (Slight.)
Taste	Not available.
Color	Colorless to light yellow. (Light.)

Section 10. Stability and Reactivity Data

Chemical Stability	The product is stable.
Conditions of Instability	No additional remark.
Incompatibility with various substances	No specific information is available in our database regarding the reactivity of this material in presence of various other materials.
Hazardous Decomposition Products	Not available.
Hazardous Polymerization	No.

Section 11. Toxicological Information

Toxicity to Animals	LD50: Not available. LC50: Not available.
Chronic Effects on Humans	Toxicity of the product to the reproductive system: Not available.
Other Toxic Effects on Humans	No specific information is available in our database regarding the other toxic effects of this material for humans.
Special Remarks on Toxicity to Animals	No additional remark.
Special Remarks on Chronic Effects on Humans	No additional remark.
Special Remarks on other Toxic Effects on Humans	No additional remark.

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	No additional remark.

Section 13. Disposal Considerations

Waste Disposal

Section 14. Transport Information

Propper Shipping Name	NONE
DOT Classification	Not a DOT controlled material (United States).
DOT Identification Number	Not applicable
Packing Group	NONE
Hazardous Substances Reportable Quantity (kg)	Not available.
Special Provisions for Transport	Not applicable.

Section 15. Regulatory Information

Federal and State Regulations Not available.

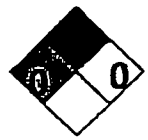
Other Classifications	**WHMIS (Canada)**	Not controlled under WHMIS (Canada).
	DSCL (EEC)	Not controlled under DSCL (Europe).

Section 16. Other Information

HMIS (U.S.A.)

Health Hazard	0
Fire Hazard	1
Reactivity	0
Personal Protection	B

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



References	Not available.
Other Special Considerations	No additional remark.

Validated by Joe Hudman on 10/11/1996.

Verified by Joe Hudman.

Printed 08/13/1999.

Transportation Emergency Call
CHEMTREC 800-424-9300
Other Information Call
Joe Hudman
713-477-6675

Notice to Reader

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

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 0178

1. RCRA Exempt: ☐ Non-Exempt: ■ Verbal Approval Received: Yes ■ No ☐ Denny Foust	4. Generator **Compressor Systems Inc.** 5. Originating Site **HWY 64 Comp. Sta.**
2. Management Facility Destination **Tierra Landfarm**	6. Transporter **Inland Trucking**
3. Address of Facility Operator **420 CR 3100 Aztec, NM 87410**	8. State **NM**
7. Location of Material (Street Address or ULSTR) **Sec. 21 T29N R12W**	

9. Circle One:

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

(B) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved

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

BRIEF DESCRIPTION OF MATERIAL:

Used Motor Oil (HDAX 10 W40) & gravel

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

SIGNATURE _____ TITLE: **Environmental Specialist** DATE: **9/14/01**
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: **Jeremy J. Bath** TELEPHONE NO. **334-8894**

(This space for State Use)

APPROVED BY: Denny Foust TITLE: Envmo Eng DATE: 10/10/01

APPROVED BY: _____ TITLE: Bureau Chief DATE: 10/16/01

E Mailed 10/11/01

NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
GOVERNOR

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178 Fax (505)334-6170

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Compressor Systems 5995 U.S. Hwy 64 Farmington N.M.	Tierra Environmental
3. Originating Site (name): Hwy 64 Compressor Location for B.P. Amoco Section 21 Township 29N Range 12W Attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR):
4. Source and Description of Waste Used motor oil contamination on gravel Chevron HDAX 10-W40.	

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

__ EXEMPT oilfield waste

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

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

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

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

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): Jeff Goossen

Title: Maintenance Superintendent

Date: 9-14-01

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

September 26, 2001

Mr. Phil Nobis
Tierra Environmental Services, Inc.
P.O. Box 1812
Bloomfield, New Mexico 87413

Client No.: 94074-003

Dear Mr. Nobis,

Enclosed are the analytical results for the sample collected from the location designated as "CSI Highway 64 Compressor Station". One soil sample was collected by Tierra Environmental designated personnel on 9/19/01, and delivered to the Envirotech laboratory on 9/19/01 for RCRA Total Metals analysis.

The sample was documented on Envirotech Chain of Custody No. 8719 and assigned Laboratory No. 21018 (1) for tracking purposes.

The sample was analyzed on 9/25/01 using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted,
Envirotech, Inc.

Christine M. Walters
Lab Coordinator / Environmental Scientist

enclosure

CMW/cmw

C:/files/labreportsTierra/.wpd

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	Tierra Environmental	Project #:	94074-003
Sample ID:	1	Date Reported:	09-25-01
Laboratory Number:	21018	Date Sampled:	09-19-01
Chain of Custody:	8719	Date Received:	09-19-01
Sample Matrix:	Soil	Date Analyzed:	09-25-01
Preservative:	Cool	Date Digested:	09-24-01
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	Regulatory Level (mg/Kg)
Arsenic	**0.002**	**0.002**	**5.0**
Barium	**9.98**	**0.002**	**100**
Cadmium	**0.046**	**0.002**	**1.0**
Chromium	**1.54**	**0.002**	**5.0**
Lead	**0.028**	**0.002**	**5.0**
Mercury	**ND**	**0.002**	**0.2**
Selenium	**ND**	**0.002**	**1.0**
Silver	**ND**	**0.002**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **CSI Highway 64 Compressor Station.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS
Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	09-25-TM QA/QC	Date Reported:	09-25-01
Laboratory Number:	21017	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	09-25-01
Condition:	N/A	Date Digested:	09-24-01

Blank & Duplicate Conc. (mg/L)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Barium	ND	ND	0.001	0.234	0.232	0.9%	0% - 30%
Cadmium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.026	0.026	0.0%	0% - 30%
Lead	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%

Spike Conc. (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	ND	0.499	99.8%	80% - 120%
Barium	0.500	0.234	0.730	99.5%	80% - 120%
Cadmium	0.500	ND	0.498	99.6%	80% - 120%
Chromium	0.500	0.026	0.525	99.8%	80% - 120%
Lead	0.500	ND	0.499	99.8%	80% - 120%
Mercury	0.050	ND	0.049	98.0%	80% - 120%
Selenium	0.500	ND	0.498	99.6%	80% - 120%
Silver	0.500	ND	0.500	100.0%	80% - 120%

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Comments: **QA/QC for samples 21017, 21018 and 21062.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

CHAIN OF CUSTODY RECORD

08719

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
Tierra Env. Services Compressor Systems Inc.	Highway 64 Compressor Station	

Sampler:	Client No.
Jon Nobis	94074-088

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	RCRA Metals						Remarks
1	9-19-01	1200	21018	Soil	1	✓						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9-19-01	1250		9-19-01	1250
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.

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

Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice			✓

Material Safety Data Sheet

- Click on the product name to go to the Salesfax description sheet.
- Click on the grade to go to the Salesfax typical test data sheet.

Chevron HDAX® Low Ash Gas Engine OilsSAE 15W-40, 30, 40

MSDS: 7046 Revision #: 1 Revision Date: 02/18/99

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEVRON HDAX Low Ash Gas Engine Oil and HDAX LFG

PRODUCT NUMBER(S): CPS232325 CPS232327 CPS232328 CPS232331
SYNONYM: CHEVRON HDAX Low Ash Gas Engine Oil SAE 15W-40
CHEVRON HDAX Low Ash Gas Engine Oil SAE 30
CHEVRON HDAX Low Ash Gas Engine Oil SAE 40
CHEVRON HDAX LFG Gas Engine Oil SAE 40

COMPANY IDENTIFICATION	EMERGENCY TELEPHONE NUMBERS
Chevron Products Company Global Lubricants 555 Market St. Room 803 San Francisco, CA 94105-2870	HEALTH (24 hr): (800)231-0623 or (510)231-0623 (International) TRANSPORTATION (24 hr): CHEMTREC (800)424-9300 or (703)527-3887 Emergency Information Centers are located in U.S.A. Int'l collect calls accepted

PRODUCT INFORMATION: MSDS Requests: (800) 414-MSDS or (800) 414-6737
Environmental, Safety, & Health Info: (415) 894-0434
Product Information: (800) 582-3835

2. COMPOSITION/INFORMATION ON INGREDIENTS

100.0 % CHEVRON HDAX Low Ash Gas Engine Oil and HDAX LFG

CONTAINING

COMPONENTS	AMOUNT	LIMIT/QTY	AGENCY/TYPE
LUBRICATING BASE OIL SEVERELY REFINED PETROLEUM DISTILLATE	> 75.00%	5 mg/m3 (mist) 10 mg/m3 (mist) 5 mg/m3 (mist)	ACGIH TWA ACGIH STEL OSHA PEL

The BASE OIL may be a mixture of any of the following: CAS 64741884,

CAS 64741895, CAS 64741964, CAS 64741975, CAS 64742014, CAS 64742525, CAS 64742536, CAS 64742547, CAS 64742627, CAS 64742650, or CAS 72623837.

ADDITIVES INCLUDING THE FOLLOWING
< 25.00%

ZINC ALKARYL DITHIOPHOSPHATE
Chemical Name: ZINC ALKARYL DITHIOPHOSPHATE
CAS54261675 < 1.50% NONE NA

COMPOSITION COMMENT:
All the components of this material are on the Toxic Substances Control Act Chemical Substances Inventory.

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

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS
EYE:
Not expected to cause prolonged or significant eye irritation.
SKIN:
Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin.
INGESTION:
Not expected to be harmful if swallowed.
INHALATION:
Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit.

4. FIRST AID MEASURES

EYE:
No specific first aid measures are required because this material is not expected to cause eye irritation. As a precaution remove contact lenses, if worn, and flush eyes with water.
SKIN:
No specific first aid measures are required because this material is not expected to be harmful if it contacts the skin. As a precaution, remove clothing and shoes if contaminated. Use a waterless hand cleaner, mineral oil, or petroleum jelly to remove the material. Then wash skin with soap and water. Wash or clean contaminated clothing and shoes before reuse.
INGESTION:
No specific first aid measures are required because this material is not expected to be harmful if swallowed. Do not induce vomiting. As a precaution, give the person a glass of water or milk to [illegible]

FIRE CLASSIFICATION:
Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.
FLAMMABLE PROPERTIES:
FLASH POINT: (COC) 399F (204C) min.
AUTOIGNITION: NDA
FLAMMABILITY LIMITS (% by volume in air): Lower: NA Upper: NA
EXTINGUISHING MEDIA:
CO2, Dry Chemical, Foam, Water Fog
NFPA RATINGS: Health 1; Flammability 1; Reactivity 0.
FIRE FIGHTING INSTRUCTIONS:
This material will burn although it is not easily ignited.
COMBUSTION PRODUCTS:
Normal combustion forms carbon dioxide, water vapor and may produce oxides of sulfur, nitrogen and phosphorus. Combustion may form oxides of molybdenum. Incomplete combustion can produce carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

CHEMTREC EMERGENCY NUMBER (24 hr): (800)424-9300 or (703)527-3887
International Collect Calls Accepted
ACCIDENTAL RELEASE MEASURES:
Stop the source of the leak or release. Clean up releases as soon as possible, observing precautions in Exposure Controls/Personal Protection. Contain liquid to prevent further contamination of soil, surface water or groundwater. Clean up small spills using appropriate techniques such as sorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.

7. HANDLING AND STORAGE

Drum is not designed to contain pressure. Do not use pressure to empty drum or drum may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner, or properly disposed of. Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:
Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS
Use in a well-ventilated area. If user operations generate an oil mist, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below the recommended mineral oil mist exposure limits.

PERSONAL PROTECTIVE EQUIPMENT
EYE/FACE PROTECTION:
No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.
SKIN PROTECTION:
No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances. Suggested materials for protective gloves include: <Viton> <Nitrile> <silver Shield> <4H>
RESPIRATORY PROTECTION:
No respiratory protection is normally required. If user operations generate an oil mist, determine if airborne concentrations are below the recommended mineral oil mist exposure limits. If not wear a NIOSH approved respirator that provides adequate protection from measured concentrations of this material. Use the following elements for air-purifying respirators: particulate.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION:
Dark amber liquid.

pH:	NDA
VAPOR PRESSURE:	NA
VAPOR DENSITY (AIR=1):	NA
BOILING POINT:	NDA
FREEZING POINT:	NDA
MELTING POINT:	NA
SOLUBILITY:	Soluble in hydrocarbon solvents; insoluble in water.
SPECIFIC GRAVITY:	0.88 @ 15.6/15.6C
EVAPORATION RATE:	NA
VISCOSITY:	11.0 - 14.4 cSt @ 100C (min.)
PERCENT VOLATILE (VOL):	NA

10. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS:
H2S may be released at high temperatures.
CHEMICAL STABILITY:
Stable.
CONDITIONS TO AVOID:
No data available.
INCOMPATIBILITY WITH OTHER MATERIALS:
May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
HAZARDOUS POLYMERIZATION:
Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS:

The eye irritation hazard is based on an evaluation of the data for the components.
SKIN EFFECTS:
The skin irritation hazard is based on an evaluation of the data for the components.
ACUTE ORAL EFFECTS:
The acute oral toxicity is based on an evaluation of the data for the components.
ACUTE INHALATION EFFECTS:
The acute respiratory toxicity is based on an evaluation of the data for the components.
ADDITIONAL TOXICOLOGY INFORMATION:
This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

This product contains zinc alkaryl dithiophosphate which is similar in toxicity to zinc alkyl dithiophosphate (ZDDP). Several (ZDDPs) have been reported to have weak mutagenic activity in cultured mammalian cells but only at concentrations that were toxic to the test cells. We do not believe that there is any mutagenic risk to workers exposed to ZDDPs.

During use in engines, contamination of oil with low levels of cancer-causing combustion products occurs. Used motor oils have been shown to cause skin cancer in mice following repeated application and continuous exposure. Brief or intermittent skin contact with used motor oil is not expected to have serious effects in humans if the oil is thoroughly removed by washing with soap and water. See Chevron Material Safety Data Sheet No. 1793 for additional information on used motor oil.

12. ECOLOGICAL INFORMATION

ECOTOXICITY:
No data available.
ENVIRONMENTAL FATE:
This material is not expected to be readily biodegradable.

13. DISPOSAL CONSIDERATIONS

Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

14. TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT SHIPPING NAME: NONE
DOT HAZARD CLASS: NONE
DOT IDENTIFICATION NUMBER: NONE
DOT PACKING GROUP: N/A
ADDITIONAL INFO: Petroleum Lubricating Oil - Not Hazardous by U.S. DOT.
ADR/RID Hazard class - Not applicable.

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15. REGULATORY INFORMATION

SARA 311 CATEGORIES:	1. Immediate (Acute) Health Effects:	NO
	2. Delayed (Chronic) Health Effects:	NO
	3. Fire Hazard:	NO
	4. Sudden Release of Pressure Hazard:	NO
	5. Reactivity Hazard:	NO

REGULATORY LISTS SEARCHED:

01=SARA 313	11=NJ RTK	22=TSCA Sect 5(a)(2)
02=MASS RTK	12=CERCLA 302.4	23=TSCA Sect 6
03=NTP Carcinogen	13=MN RTK	24=TSCA Sect 12(b)
04=CA Prop 65-Carcin	14=ACGIH TWA	25=TSCA Sect 8(a)
05=CA Prop 65-Repro Tox	15=ACGIH STEL	26=TSCA Sect 8(d)
06=IARC Group 1	16=ACGIH Calc TLV	27=TSCA Sect 4(a)
07=IARC Group 2A	17=OSHA PEL	28=Canadian WHMIS
08=IARC Group 2B	18=DOT Marine Pollutant	29=OSHA CEILING
09=SARA 302/304	19=Chevron TWA	30=Chevron STEL
10=PA RTK	20=EPA Carcinogen	

The following components of this material are found on the regulatory lists indicated.

ZINC ALKARYL DITHIOPHOSPHATE
is found on lists: 01,11,
SEVERELY REFINED PETROLEUM DISTILLATE
is found on lists: 14,15,17,

EU RISK AND SAFETY LABEL PHRASES:
May cause long-term adverse effects in the aquatic environment.
NEW JERSEY RTK CLASSIFICATION:
Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows:
PETROLEUM OIL
New Jersey Right-To-Know trade secret registry number 01154100-5031P
New Jersey Right-To-Know trade secret registry number 01154100-5063P
New Jersey Right-To-Know trade secret registry number 01154100-5024P
WHMIS CLASSIFICATION:
This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

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16. OTHER INFORMATION

NFPA RATINGS: Health 1; Flammability 1; Reactivity 0;
HMIS RATINGS: Health 1; Flammability 1; Reactivity 0;
(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

REVISION STATEMENT:
This revision was updated to address: Section 1 (Name change).

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	TPQ - Threshold Planning Quantity
RQ - Reportable Quantity	PEL - Permissible Exposure Limit
C - Ceiling Limit	CAS - Chemical Abstract Service Number
A1-5 - Appendix A Categories	() - Change Has Been Proposed
NDA - No Data Available	NA - Not Applicable

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Toxicology and Health Risk Assessment Unit, CRTC, P.O. Box 1627, Richmond, CA 94804

****

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

****

THIS IS THE LAST PAGE OF THIS MSDS

****

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 0171

1. RCRA Exempt: ☐ Non-Exempt: ■ Verbal Approval Received: Yes ■ No ☐ Denny Foust	4. Generator **Key Energy Services**
	5. Originating Site **Lindrith Facility**
2. Management Facility Destination **Tierra Landfarm**	6. Transporter **T & R Trucking**
3. Address of Facility Operator **420 CR 3100 Aztec, NM 87410**	8. State **NM**
7. Location of Material (Street Address or ULSTR) **Mile Marker 13, Hwy13**	**Lindrith, NM**

9. Circle One:

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

(B) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved

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

BRIEF DESCRIPTION OF MATERIAL:

Diesel fuel and dirt from cleanup operations

SEP 2001
RECEIVED
OIL CON. DIV.
DIST. 3

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

SIGNATURE _____ TITLE: **Environmental Specialist** DATE: **9/6/01**
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: **Jeremy J. Bath** TELEPHONE NO. **334-8894**

(This space for State Use)

APPROVED BY: Denny Foust TITLE: Envir. Eng DATE: 9/7/01

APPROVED BY: Roger Anderson TITLE: Bureau Chief DATE: 9/13/01

E-Mailed 9/13/01

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178 Fax (505)334-6170

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Key Energy Services, Inc. Four Corners Division 5651 US Highway 64 Farmington NM. 84701	**2. Destination Name:** Tierra Environmental Company, Inc. Crouch Mesa Landfarm 420 C.R. 3100 Aztec, NM 87401
3. Originating Site: (name): Key Energy Serice Lindrith Facility (Attach list of origination sites as appropriate)	**Location of the Waste (Street Address &/or ULSTR):** Key Energy Services, Inc Mile Marker 13, Hwy 13 Lindrith, NM
4. Source and Description of Waste General Cleanup of the Lindrith Facility. Approxamitly 35 yards of diesel contaminated dirt.	

I, **Bob James**, representative for **Key Energy Services, Four Corners Division** do hereby certify that, according to the Resource Conservation and Recovery Act (RECA) and Environmental Protection Agency's July 1988, regulatory determination, the above described waste is:
(Check appropriate classification)

____ **EXEMPT** oilfield waste

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

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

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

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

This waste is in comlieance with Regulated Levels of Naturally Occurring Radioactive Material (NORM0 pursant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): _____

Title: Equipment & Environmental Manager

Date: August 28, 2001

Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Trade name	**Diesel #2 Oil**
Supplier	Fina Oil and Chemical Co P.O. Box 2159 Dallas, TX 75221
Synonym	Fuel Oil # 2, Furnace Oil #2
MSDS Name	Diesel Oil #2
Chemical Family	Hydrocarbon Mixture
CAS Registry Number	68476-34-6
Threshold Limit Value	TWA: 100 (mg/m³) from NIOSH
Manufacturer	Fina Oil and Chemical Co P.O. Box 849 Port Arthur, TX 77641-0849

Code	000456
MSDS#	P33
Validation Date	3/25/99
Print Date	9/13/99
Responsible for Preparation	Larry Myers

In Case of Emergency	Chemtrec: (800) 424-9300 FINA: (800) 322-FINA
Technical Information	Port Arthur: (409) 962-4421

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits
1) Diesel Oil #2	68476-34-6	100	TWA: 100 (mg/m³) from NIOSH

Section 3. Hazards Identification

Physical State and Appearance	Liquid.
Emergency Overview	COMBUSTIBLE LIQUID AND VAPOR. Vapor may cause fire. MAY CAUSE NERVOUS SYSTEM, GASTROINTESTINAL TRACT, RESPIRATORY TRACT, SKIN, EYES DAMAGE. MAY CAUSE EYE IRRITATION. Causes severe skin irritation.
Routes of Entry	Dermal contact. Eye contact. Inhalation. Ingestion.
Potential Acute Health Effects	
Eyes	Hazardous in case of eye contact (irritant).
Skin	Sensitization of the product: Not available. Very hazardous in case of skin contact (irritant). Non-corrosive for skin. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.
Inhalation	Intoxication, dizziness, drowsiness, headache and nausea, weakness and fatigue. Burning sensation in chest, possible asphyxiation and unconsciousness.
Ingestion	Local irritation, burning sensation in mouth, esophagus, and stomach. Vomiting, belching, and diarrhea with blood-tinged feces. Drowsiness. The greatest hazard of ingestion is accidental PULMONARY ASPIRATION, which can cause potentially fatal CHEMICAL PNEUMONITIS and NONCARDIOGENIC PULMONARY EDEMA.
Potential Chronic Health Effects	Signs and symptoms of chronic exposure are similar to those of acute exposure. Skin: dermatitis. CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC. Lifetime skin painting studies conducted by the American Petroleum Institute and others have shown that similar products boiling between 175-370 C (350-700 F) usually produce skin tumors and/or cancer in mice. The degree of carcinogenic response was weak to moderate with a relatively long latent period. The implications of these results for humans have not been determined. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available.
Medical Conditions Aggravated by Overexposure	Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.
Overexposure /Signs/Symptoms	Not available.
See Toxicological Information (section 11)	

Continued on Next Page

Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. DO NOT use an eye ointment. Seek medical attention.
Skin Contact	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
Inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Ingestion	DO NOT induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
Notes to Physician	May administer activated charcoal or gastric lavage. Emesis may result in chemical pneumonitis (#2 Diesel). Consider chest x-ray after acute overexposure and perform kidney function tests if symptoms develop or overexposure is suspected (kerosene).

Section 5. Fire Fighting Measures

Flammability of the Product	Combustible.
Auto-ignition Temperature	>204°C (399.2°F)
Flash Points	CLOSED CUP: 54.4°C (130°F). (Pensky-Martens.).
Flammable Limits	LOWER: 0.4% UPPER: 6%
Products of Combustion	carbon oxides (CO, CO2) sulfur oxides (SO2, SO3...)
Fire Hazards in Presence of Various Substances	Flammable in presence of open flames and sparks, of heat.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of static discharge: Expected. Risks of explosion of the product in presence of mechanical impact: Not expected. No specific information is available in our database regarding the product's risks of explosion in the presence of various materials.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder, CO_2, and halon. LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet.
Protective Clothing (Fire)	Wear MSHA/NIOSH approved self-contained breathing apparatus or equivalent and full protective gear (Bunker gear).
Special Remarks on Fire Hazards	Combustible. Avoid inhalation of vapors. May generate dense smoke while burning.
Special Remarks on Explosion Hazards	May form explosive mixtures with air. Container may explode in fire. Flashback along vapor trail may occur. May explode if ignited in an enclosed area.

Section 6. Accidental Release Measures

Small Spill and Leak	Warn personnel to move away. Eliminate ignition sources and ventilate area. Absorb with an inert material and place in an appropriate waste disposal container.
Large Spill and Leak	Combustible material. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7. Handling and Storage

Handling	Do not breathe gas, fumes, vapor or spray. Keep away from incompatibles such as oxidizing agents. Keep away from sources of ignition.
Storage	Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from sources of ignition. Keep away from incompatibles as oxidizers.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Personal Protection	
Eyes	Safety glasses. Splash goggles.
Body	Flame retardant clothing covering the entire body.
Respiratory	Use a MSHA/NIOSH approved respirator or equivalent at high concentrations.

Continued on Next Page

Hands	Chemical resistant gloves if contact is possible.
Feet	Not applicable.
Protective Clothing (Pictograms)	
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Product Name	Exposure Limits
1) Diesel Oil #2	TWA: 100 (mg/m³) from NIOSH

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.
Molecular Weight	Not applicable.
Molecular Formula	Not applicable.
pH (1% Soln/Water)	Not applicable.
Boiling/Condensation Point	160 to 354.4°C (320 to 670°F)
Melting/Freezing Point	Not available.
Critical Temperature	Not available.
Specific Gravity	0.87 (Water = 1)
Vapor Pressure	1.6 mm of Hg (@ 20°C)
Vapor Density	8 (Air = 1)
Volatility	100% (v/v).
Odor Threshold	Not available.
Evaporation Rate	600 X slower compared to Ethylether
VOC	100 (%)
Viscosity	Not available.
LogK$_{ow}$	Not available.
Ionicity (in Water)	Not available.
Dispersion Properties	Not available.
Solubility in Water	Negligible.
Physical Chemical Comments	No additional remark.

Odor	Kerosine-like
Taste	Not available.
Color	Straw color.

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Conditions of Instability	No additional remark.
Incompatibility with Various Substances	Extremely reactive or incompatible with strong oxidizing agents.
Hazardous Decomposition Products	carbon monoxide & carbon dioxide
Hazardous Polymerization	No.

Continued on Next Page

Section 11. Toxicological Information

Toxicity to Animals	Acute oral toxicity (LD50): 7500 mg/kg [Rat]. Acute oral toxicity (LD50): 9 ml/kg [Rat]. Acute dermal toxicity (LD50): >3160 mg/kg [Rabbit].
Chronic Effects on Humans	CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC. Lifetime skin painting studies conducted by the American Petroleum Institute and others have shown that similar products boiling between 175-370 C (350-700 F) usually produce skin tumors and/or cancer in mice. The degree of carcinogenic response was weak to moderate with a relatively long latent period. The implications of these results for humans have not been determined. The substance is toxic to the nervous system, gastro-intestinal tract, upper respiratory tract, skin, eyes.
Other Toxic Effects on Humans	Very hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant).
Special Remarks on Toxicity to Animals	Prolonged or repeated inhalation of highly concentrated petroleum distillates caused liver tumors in mice and kidney damage and tumors in male rats. Skin paint with distillates (boiling range 100-700 F) applied repeatedly and never washed off can cause skin cancer. Chronic exposure to unfiltered diesel exhaust produced tumors in lungs and lymphomas in mice and rats.
Special Remarks on Chronic Effects on Humans	NIOSH recommends that whole diesel exhaust be regarded as a potential carcinogen.
Special Remarks on Other Toxic Effects on Humans	No additional remark.

Section 12. Ecological Information

Ecotoxicity	Aquatic toxicity: 2990 ppm/24 hr (kerosene). Does not bioconcentrate in the food chain (kerosene).
BOD5 and COD	53%, 5 days (kerosene)
Biodegradable/OECD	Not available.
Mobility	Not available.
	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	No additional remark.

Section 13. Disposal Considerations

Waste Information	Recover free liquid. Transfer to an approved disposal area in accordance with federal, state, and local regulations.
Waste Stream	Not available.

Consult your local or regional authorities.

Section 14. Transport Information

DOT Classification	DOT CLASS 3: Flammable liquid. 
	Flammable liquids n.o.s.
	NA1993
	Not available.
Marine Pollutant	Not available.
Hazardous Substances Reportable Quantity	Not available.
Special Provisions for Transport	No additional remark.
TDG Classification	TDG CLASS 3: Flammable liquid.
ADR/RID Classification	ADR CLASS 3: Flammable liquid A.
IMO/IMDG Classification	IMDG CLASS 3.1: Flammable liquid (Low flash point).
ICAO/IATA Classification	IATA CLASS 3: Flammable liquid.

Continued on Next Page

Section 15. Regulatory Information

HCS Classification	HCS CLASS: Combustible liquid having a flash point between 37.8°C (100°F) and 93.3°C (200°F).
U.S. Federal Regulations	TSCA inventory: Diesel Oil #2 SARA 313 toxic chemical notification and release reporting: No products were found. Clean water act (CWA) 307: No products were found. Clean water act (CWA) 311: No products were found. Clean air act (CAA) 112 accidental release prevention: No products were found. Clean air act (CAA) 112 regulated flammable substances: No products were found. Clean air act (CAA) 112 regulated toxic substances: No products were found.
International Regulations	
WHMIS (Canada)	WHMIS CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).
	CEPA DSL: Diesel Oil #2
EINECS	Not available.
DSCL (EEC)	R36/38- Irritating to eyes and skin.
International Lists	No products were found.
State Regulations	Pennsylvania RTK: Diesel Oil #2 California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: No products were found.

Section 16. Other Information

Label requirements	COMBUSTIBLE LIQUID AND VAPOR. Vapor may cause fire. MAY CAUSE NERVOUS SYSTEM, GASTROINTESTINAL TRACT, RESPIRATORY TRACT, SKIN, EYES DAMAGE.

Hazardous Material Information System (U.S.A.)

[illegible]	* 1
[illegible]	2
Reactivity	0
Personal Protection	

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

References	LOLI AND TOMES (Vol 37: RTECS, CHRIS, & NEW JERSEY HAZARDOUS SUBSTANCE FACT SHEETS)
Other Special Considerations	No additional remark.

Validated by Larry Myers on 3/25/99. **Verified by Paul Bradley.**

Printed 9/13/99.

Chemtrec: (800) 424-9300
FINA: (800) 322-FINA

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 017

1. RCRA Exempt: ☐ Non-Exempt: ■ Verbal Approval Received: Yes ■ No ☐ Denny Foust	4. Generator **Key Energy Services** 5. Originating Site **Lindrith Facility**
2. Management Facility Destination **Tierra Landfarm**	6. Transporter **T & R Trucking**
3. Address of Facility Operator **420 CR 3100 Aztec, NM 87410**	8. State **NM**
7. Location of Material (Street Address or ULSTR) **Mile Marker 13, Hwy13**	**Lindrith, NM**

9. Circle One:

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

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved

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

BRIEF DESCRIPTION OF MATERIAL:

Diesel fuel and dirt from cleanup operations

SEP 2001
RECEIVED
OIL CON. DIV
DIST. 3

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

SIGNATURE _____ TITLE: **Environmental Specialist** DATE: **9/6/01**
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: **Jeremy J. Bath** TELEPHONE NO. **334-8894**

(This space for State Use)

APPROVED BY: Denny Foust TITLE: Envir. Eng DATE: 9/07/01

APPROVED BY: _____ TITLE: Bureau Chief DATE: 9/13/01

E-mailed 9/13/01

NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
GOVERNOR

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178 Fax (505)334-6170

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Key Energy Services, Inc. Four Corners Division 5651 US Highway 64 Farmington NM, 84701	Tierra Environmental Company, Inc. Crouch Mesa Landfarm 420 C.R. 3100 Aztec, NM 87401
3. Originating Site: (name):	**Location of the Waste (Street Address &/or ULSTR):**
Key Energy Serice Lindrith Facility (Attach list of origination sites as appropriate)	Key Energy Services, Inc Mile Marker 13, Hwy 13 Lindrith, NM
4. Source and Description of Waste	
General Cleanup of the Lindrith Facility. Approxamitly 35 yards of diesel contaminated dirt.	

I, **Bob James**, representative for **Key Energy Services, Four Corners Division** do hereby certify that, according to the Resource Conservation and Recovery Act (RECA) and Environmental Protection Agency's July 1988, regulatory determination, the above described waste is:
(Check appropriate classification)

____ **EXEMPT** oilfield waste

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

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

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

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

This waste is in comlieance with Regulated Levels of Naturally Occurring Radioactive Material (NORM0 pursant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): _____

Title: Equipment & Environmenatl Manager

Date: August 28, 2001

Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Trade name	**Diesel #2 Oil**
Supplier	Fina Oil and Chemical Co P.O. Box 2159 Dallas, TX 75221
Synonym	Fuel Oil # 2, Furnace Oil #2
MSDS Name	Diesel Oil #2
Chemical Family	Hydrocarbon Mixture
CAS Registry Number	68476-34-6
Threshold Limit Value	TWA: 100 (mg/m³) from NIOSH
Manufacturer	Fina Oil and Chemical Co P.O. Box 849 Port Arthur, TX 77641-0849

Code	000456
MSDS#	P33
Validation Date	3/25/99
Print Date	9/13/99
Responsible for Preparation	Larry Myers

In Case of Emergency	Chemtrec: (800) 424-9300 FINA: (800) 322-FINA
Technical Information	Port Arthur: (409) 962-4421

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits
1) Diesel Oil #2	68476-34-6	100	TWA: 100 (mg/m³) from NIOSH

Section 3. Hazards Identification

Physical State and Appearance	Liquid.
Emergency Overview	COMBUSTIBLE LIQUID AND VAPOR. Vapor may cause fire. MAY CAUSE NERVOUS SYSTEM, GASTROINTESTINAL TRACT, RESPIRATORY TRACT, SKIN, EYES DAMAGE. MAY CAUSE EYE IRRITATION. Causes severe skin irritation.
Routes of Entry	Dermal contact. Eye contact. Inhalation. Ingestion.
Potential Acute Health Effects	
Eyes	Hazardous in case of eye contact (irritant).
Skin	Sensitization of the product: Not available. Very hazardous in case of skin contact (irritant). Non-corrosive for skin. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.
Inhalation	Intoxication, dizziness, drowsiness, headache and nausea, weakness and fatigue. Burning sensation in chest, possible asphyxiation and unconsciousness.
Ingestion	Local irritation, burning sensation in mouth, esophagus, and stomach. Vomiting, belching, and diarrhea with blood-tinged feces. Drowsiness. The greatest hazard of ingestion is accidental PULMONARY ASPIRATION, which can cause potentially fatal CHEMICAL PNEUMONITIS and NONCARDIOGENIC PULMONARY EDEMA.
Potential Chronic Health Effects	Signs and symptoms of chronic exposure are similar to those of acute exposure. Skin: dermatitis. CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC. Lifetime skin painting studies conducted by the American Petroleum Institute and others have shown that similar products boiling between 175-370 C (350-700 F) usually produce skin tumors and/or cancer in mice. The degree of carcinogenic response was weak to moderate with a relatively long latent period. The implications of these results for humans have not been determined. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available.
Medical Conditions Aggravated by Overexposure	Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.
Overexposure /Signs/Symptoms	Not available.
See Toxicological Information (section 11)	

Continued on Next Page

Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. DO NOT use an eye ointment. Seek medical attention.
Skin Contact	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
Inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Ingestion	DO NOT induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
Notes to Physician	May administer activated charcoal or gastric lavage. Emesis may result in chemical pneumonitis (#2 Diesel). Consider chest x-ray after acute overexposure and perform kidney function tests if symptoms develop or overexposure is suspected (kerosene).

Section 5. Fire Fighting Measures

Flammability of the Product	Combustible.
Auto-ignition Temperature	>204°C (399.2°F)
Flash Points	CLOSED CUP: 54.4°C (130°F). (Pensky-Martens.).
Flammable Limits	LOWER: 0.4% UPPER: 6%
Products of Combustion	carbon oxides (CO, CO2) sulfur oxides (SO2, SO3...)
Fire Hazards in Presence of Various Substances	Flammable in presence of open flames and sparks, of heat.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of static discharge: Expected. Risks of explosion of the product in presence of mechanical impact: Not expected. No specific information is available in our database regarding the product's risks of explosion in the presence of various materials.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder, CO_2, and halon. LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet.
Protective Clothing (Fire)	Wear MSHA/NIOSH approved self-contained breathing apparatus or equivalent and full protective gear (Bunker gear).
Special Remarks on Fire Hazards	Combustible. Avoid inhalation of vapors. May generate dense smoke while burning.
Special Remarks on Explosion Hazards	May form explosive mixtures with air. Container may explode in fire. Flashback along vapor trail may occur. May explode if ignited in an enclosed area.

Section 6. Accidental Release Measures

Small Spill and Leak	Warn personnel to move away. Eliminate ignition sources and ventilate area. Absorb with an inert material and place in an appropriate waste disposal container.
Large Spill and Leak	Combustible material. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7. Handling and Storage

Handling	Do not breathe gas, fumes, vapor or spray. Keep away from incompatibles such as oxidizing agents. Keep away from sources of ignition.
Storage	Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from sources of ignition. Keep away from incompatibles as oxidizers.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Personal Protection	
Eyes	Safety glasses. Splash goggles.
Body	Flame retardant clothing covering the entire body.
Respiratory	Use a MSHA/NIOSH approved respirator or equivalent at high concentrations.

Continued on Next Page

	Hands Chemical resistant gloves if contact is possible.
	Feet Not applicable.
Protective Clothing (Pictograms)	
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Product Name	Exposure Limits
1) Diesel Oil #2	TWA: 100 (mg/m³) from NIOSH

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.
Molecular Weight	Not applicable.
Molecular Formula	Not applicable.
pH (1% Soln/Water)	Not applicable.
Boiling/Condensation Point	160 to 354.4°C (320 to 670°F)
Melting/Freezing Point	Not available.
Critical Temperature	Not available.
Specific Gravity	0.87 (Water = 1)
Vapor Pressure	1.6 mm of Hg (@ 20°C)
Vapor Density	6 (Air = 1)
Volatility	100% (w/v).
Odor Threshold	Not available.
Evaporation Rate	600 X slower compared to Ethylether
VOC	100 (%)
Viscosity	Not available.
LogK$_{ow}$	Not available.
Ionicity (in Water)	Not available.
Dispersion Properties	Not available.
Solubility in Water	Negligible.
Physical Chemical Comments	No additional remark.

Odor	Kerosine-like
Taste	Not available.
Color	Straw color.

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Conditions of Instability	No additional remark.
Incompatibility with Various Substances	Extremely reactive or incompatible with strong oxidizing agents.
Hazardous Decomposition Products	carbon monoxide & carbon dioxide
Hazardous Polymerization	No.

Continued on Next Page

Section 11. Toxicological Information

Toxicity to Animals	Acute oral toxicity (LD50): 7500 mg/kg [Rat]. Acute oral toxicity (LD50): 9 ml/kg [Rat]. Acute dermal toxicity (LD50): >3160 mg/kg [Rabbit].
Chronic Effects on Humans	CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC. Lifetime skin painting studies conducted by the American Petroleum Institute and others have shown that similar products boiling between 175-370 C (350-700 F) usually produce skin tumors and/or cancer in mice. The degree of carcinogenic response was weak to moderate with a relatively long latent period. The implications of these results for humans have not been determined. The substance is toxic to the nervous system, gastro-intestinal tract, upper respiratory tract, skin, eyes.
Other Toxic Effects on Humans	Very hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant).
Special Remarks on Toxicity to Animals	Prolonged or repeated inhalation of highly concentrated petroleum distillates caused liver tumors in mice and kidney damage and tumors in male rats. Skin paint with distillates (boiling range 100-700 F) applied repeatedly and never washed off can cause skin cancer. Chronic exposure to unfiltered diesel exhaust produced tumors in lungs and lymphomas in mice and rats.
Special Remarks on Chronic Effects on Humans	NIOSH recommends that whole diesel exhaust be regarded as a potential carcinogen.
Special Remarks on Other Toxic Effects on Humans	No additional remark.

Section 12. Ecological Information

Ecotoxicity	Aquatic toxicity: 2990 ppm/24 hr (kerosene). Does not bioconcentrate in the food chain (kerosene).
BOD5 and COD	53%, 5 days (kerosene)
Biodegradable/OECD	Not available.
Mobility	Not available.
	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	No additional remark.

Section 13. Disposal Considerations

Waste Information	Recover free liquid. Transfer to an approved disposal area in accordance with federal, state, and local regulations.
Waste Stream	Not available.

Consult your local or regional authorities.

Section 14. Transport Information

DOT Classification	DOT CLASS 3: Flammable liquid. 
	Flammable liquids n.o.s.
	NA1993
	Not available.
Marine Pollutant	Not available.
Hazardous Substances Reportable Quantity	Not available.
Special Provisions for Transport	No additional remark.
TDG Classification	TDG CLASS 3: Flammable liquid.
ADR/RID Classification	ADR CLASS 3: Flammable liquid A.
IMO/IMDG Classification	IMDG CLASS 3.1: Flammable liquid (Low flash point).
ICAO/IATA Classification	IATA CLASS 3: Flammable liquid.

Section 15. Regulatory Information

HCS Classification	HCS CLASS: Combustible liquid having a flash point between 37.8°C (100°F) and 93.3°C (200°F).
U.S. Federal Regulations	TSCA inventory: Diesel Oil #2 SARA 313 toxic chemical notification and release reporting: No products were found. Clean water act (CWA) 307: No products were found. Clean water act (CWA) 311: No products were found. Clean air act (CAA) 112 accidental release prevention: No products were found. Clean air act (CAA) 112 regulated flammable substances: No products were found. Clean air act (CAA) 112 regulated toxic substances: No products were found.
International Regulations	
WHMIS (Canada)	WHMIS CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).
	CEPA DSL: Diesel Oil #2
EINECS	Not available.
DSCL (EEC)	R36/38- Irritating to eyes and skin.
International Lists	No products were found.
State Regulations	Pennsylvania RTK: Diesel Oil #2 California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: No products were found.

Section 16. Other Information

Label requirements	COMBUSTIBLE LIQUID AND VAPOR. Vapor may cause fire. MAY CAUSE NERVOUS SYSTEM, GASTROINTESTINAL TRACT, RESPIRATORY TRACT, SKIN, EYES DAMAGE.

Hazardous Material Information System (U.S.A.)

[illegible]	1
[illegible]	2
Reactivity	0
Personal Protection	

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

References	LOLI AND TOMES (Vol 37: RTECS, CHRIS, & NEW JERSEY HAZARDOUS SUBSTANCE FACT SHEETS)
Other Special Considerations	No additional remark.

Validated by Larry Myers on 3/25/99.

Verified by Paul Bradley.

Printed 9/13/99.

Chemtrec: (800) 424-9300
FINA: (800) 322-FINA

Notice to Reader

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

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 0169

1. RCRA Exempt: ☐ Non-Exempt: ■ Verbal Approval Received: Yes ☐ No ■	4. Generator **Compressor Systems Inc.** 5. Originating Site **NEBU 468**
2. Management Facility Destination **Tierra Landfarm**	6. Transporter **Inland**
3. Address of Facility Operator **420 CR 3100 Aztec, NM 87410**	8. State **NM**
7. Location of Material (Street Address or ULSTR) **Sec. 35 T31N R7W**	

9. Circle One:

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

(B) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved

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

BRIEF DESCRIPTION OF MATERIAL:

Used compressor oil & dirt resulting from a release involving a fire.

SEP 2001
RECEIVED
OIL CON. DIV
DIST. 3

Estimated Volume ____cy Known Volume (to be entered by the operator at the end of the haul) **18** cy

SIGNATURE _____ TITLE: **Environmental Specialist** DATE: **9/5/01**
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: **Jeremy J. Bath** TELEPHONE NO. **334-8894**

(This space for State Use)

APPROVED BY: _____ TITLE: Envir. Eng DATE: 9/7/01

APPROVED BY: _____ TITLE: Bureau Chief DATE: 9/13/01

Emailed 9/13/01

NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
GOVERNOR

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178 Fax (505)334-6170

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
COMPRESSOR SYSTEMS INC P.O. BOX 2144 FARMINGTON, NM 87499	
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
NEBU 468 (DEVON) CSI # 410248 Attach list of originating sites as appropriate	SEC. 35, RANGE R-7-W, T-31-N FNL 415'; FEL 1215' SAN JUAN COUNTY.
4. Source and Description of Waste	
COMPRESSOR OIL; [redacted] OIL WHICH LEAKED FROM A FIRE ON ENG./COMP SKID RAN ON TO GROUND AND BURNT. USED OIL FROM COMP. PACKAGE	

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

___ **EXEMPT** oilfield waste

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

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

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

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

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material **(NORM)** pursuant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): Daniel Rael

Title: MAINTENANCE SUPERINTENDENT

Date: 8/14/01

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

August 29, 2001

Mr. Phil Nobis
Tierra Environmental Services, Inc.
P.O. Box 1812
Bloomfield, New Mexico 87413

Client No.: 94074-003

Dear Mr. Nobis,

Enclosed are the analytical results for the sample collected from the location designated as "NEU # 468 (Devon)". One soil sample was collected by Tierra Environmental designated personnel on 8/18/01, and delivered to the Envirotech laboratory on 8/20/01 for RCRA Total Metals analysis.

The sample was documented on Envirotech Chain of Custody No. 9532 and assigned Laboratory Nos. 20716 (Metals #1) for tracking purposes.

The sample was analyzed on 8/28/01 using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted,
Envirotech, Inc.

Christine Walters

Christine M. Walters
Lab Coordinator / Environmental Scientist

enclosure

CMW/cmw

C:/files/labreportsTierra/.wpd

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	Tierra Environmental	Project #:	94074-003
Sample ID:	Metals #1	Date Reported:	08-28-01
Laboratory Number:	20716	Date Sampled:	08-18-01
Chain of Custody:	9532	Date Received:	08-20-01
Sample Matrix:	Soil	Date Analyzed:	08-28-01
Preservative:	Cool	Date Digested:	08-24-01
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	**0.152**	**0.002**	**5.0**
Barium	**28.6**	**0.002**	**100**
Cadmium	**0.100**	**0.002**	**1.0**
Chromium	**0.450**	**0.002**	**5.0**
Lead	**0.526**	**0.002**	**5.0**
Mercury	**ND**	**0.002**	**0.2**
Selenium	**0.074**	**0.002**	**1.0**
Silver	**0.032**	**0.002**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **NEU #468 (Devon).**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS
Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	08-28-TM QA/QC	Date Reported:	08-28-01
Laboratory Number:	20716	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	08-28-01
Condition:	N/A	Date Digested:	08-24-01

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.002	0.152	0.150	1.3%	0% - 30%
Barium	ND	ND	0.002	28.6	28.8	0.7%	0% - 30%
Cadmium	ND	ND	0.002	0.100	0.100	0.0%	0% - 30%
Chromium	ND	ND	0.002	0.450	0.442	1.8%	0% - 30%
Lead	ND	ND	0.002	0.526	0.520	1.1%	0% - 30%
Mercury	ND	ND	0.002	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.002	0.074	0.074	0.0%	0% - 30%
Silver	ND	ND	0.002	0.032	0.032	0.0%	0% - 30%

Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	1.00	0.152	1.15	99.8%	80% - 120%
Barium	1.00	28.6	29.4	99.3%	80% - 120%
Cadmium	1.00	0.100	1.10	100.0%	80% - 120%
Chromium	1.00	0.450	1.44	99.3%	80% - 120%
Lead	1.00	0.526	1.52	99.6%	80% - 120%
Mercury	0.100	ND	0.098	98.0%	80% - 120%
Selenium	1.00	0.074	1.07	99.6%	80% - 120%
Silver	1.00	0.032	1.03	99.8%	80% - 120%

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Comments: **QA/QC for samples 20716, 20726 - 20728 and 20748.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

CHAIN OF CUSTODY RECORD

09532

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
Tierra Environmental	NEU # 468 (Navajo)	

Sampler: Jon G. Nibis

Client No.: 94074-003

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	RCRA Metals						Remarks
Metals #1	8/18/01	2:25P	20716	Soil	1	✓						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jon G. Nibis	8-20-01	12:15P	[signature]	8-20-01	1215
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.

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

Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	—		

Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEVRON HDAX NG Screw Compressor Oil

PRODUCT NUMBER(S): CPS255204 CPS255205
SYNONYM: CHEVRON HDAX NG Screw Compressor Oil ISO 150
CHEVRON HDAX NG Screw Compressor Oil ISO 68

COMPANY IDENTIFICATION

Chevron Products Company
Global Lubricants
555 Market St.
Room 803
San Francisco, CA 94105-2870

EMERGENCY TELEPHONE NUMBERS

HEALTH (24 hr): (800)231-0623 or
(510)231-0623 (International)
TRANSPORTATION (24 hr): CHEMTREC
(800)424-9300 or (703)527-3887
Int'l collect calls accepted

PRODUCT INFORMATION: MSDS Requests: (800) 228-3500
Environmental, Safety, & Health Info: (415) 894-0703
Product Information: (800) 582-3835

2. COMPOSITION/INFORMATION ON INGREDIENTS

100.0 % CHEVRON HDAX NG Screw Compressor Oil

CONTAINING

COMPONENTS	AMOUNT	LIMIT/QTY	AGENCY/TYPE
HYDROTREATED DIST., HVY PARA			
Chemical Name: DISTILLATES, HYDROTREATED HEAVY PARAFFINIC			
CAS64742547	> 80.00%	5 mg/m3 (mist)	ACGIH TWA
		10 mg/m3 (mist)	ACGIH STEL
		5 mg/m3 (mist)	OSHA PEL
ADDITIVES	< 20.00%		

COMPOSITION COMMENT:
All the components of this material are on the Toxic Substances Control

Act Chemical Substances Inventory.

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

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS
EYE:
Not expected to cause prolonged or significant eye irritation.
SKIN:
Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin.
INGESTION:
Not expected to be harmful if swallowed.
INHALATION:
Contains a petroleum-based mineral oil that may cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of airborne levels above the recommended exposure limit.

4. FIRST AID MEASURES

EYE:
No specific first aid measures are required because this material is not expected to cause eye irritation. As a precaution remove contact lenses, if worn, and flush eyes with water.
SKIN:
No specific first aid measures are required because this material is not expected to be harmful if it contacts the skin. As a precaution, remove clothing and shoes if contaminated. Use a waterless hand cleaner, mineral oil, or petroleum jelly to remove the material. Then wash skin with soap and water. Wash or clean contaminated clothing and shoes before reuse.
INGESTION:
No specific first aid measures are required because this material is not expected to be harmful if swallowed. Do not induce vomiting. As a precaution, give the person a glass of water or milk to drink and get medical advice. Never give anything by mouth to an unconscious person.
INHALATION:
If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

5. FIRE FIGHTING MEASURES

FIRE CLASSIFICATION:
Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or

combustible.

FLAMMABLE PROPERTIES:

FLASH POINT: (COC) 419-446F (215-230C) Min.

AUTOIGNITION: NDA

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

EXTINGUISHING MEDIA:

CO2, Dry Chemical, Foam, Water Fog

NFPA RATINGS: Health 1; Flammability 1; Reactivity 0.

FIRE FIGHTING INSTRUCTIONS:

This material will burn although it is not easily ignited.

COMBUSTION PRODUCTS:

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

6. ACCIDENTAL RELEASE MEASURES

CHEMTREC EMERGENCY NUMBER (24 hr): (800)424-9300 or (703)527-3887
International Collect Calls Accepted

ACCIDENTAL RELEASE MEASURES:

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

7. HANDLING AND STORAGE

Do not use pressure to empty drum or drum may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner, or properly disposed of. Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

Use in a well-ventilated area. If user operations generate an oil mist, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below the recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION:

No special eye protection is normally required. Where splashing is

possible, wear safety glasses with side shields as a good safety practice.

SKIN PROTECTION:

No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances. Suggested materials for protective gloves include: <Viton> <Nitrile> <Silver Shield> <4H>

RESPIRATORY PROTECTION:

No special respiratory protection is normally required. If user operations generate an oil mist, determine if airborne concentrations are below the recommended exposure limits. If not, select a NIOSH/MSHA approved respirator that provides adequate protection from concentrations of this material. Use the following elements for air-purifying respirators: particulate.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION:
Liquid.

pH:	NDA
VAPOR PRESSURE:	NA
VAPOR DENSITY (AIR=1):	NA
BOILING POINT:	NDA
FREEZING POINT:	NDA
MELTING POINT:	NA
SOLUBILITY:	Soluble in hydrocarbon solvents; insoluble in water.
SPECIFIC GRAVITY:	NDA
DENSITY:	NDA
EVAPORATION RATE:	NA
VISCOSITY:	61.2 - 135 cSt @ 40C (Min.)
PERCENT VOLATILE (VOL):	NA

10. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS:

No data available.

CHEMICAL STABILITY:

Stable.

CONDITIONS TO AVOID:

No data available.

INCOMPATIBILITY WITH OTHER MATERIALS:

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

HAZARDOUS POLYMERIZATION:

Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS:
The eye irritation hazard is based on data for a similar material.
SKIN EFFECTS:
The skin irritation hazard is based on data for a similar material.
ACUTE ORAL EFFECTS:
The acute oral toxicity is based on data for a similar material.
ACUTE INHALATION EFFECTS:
The acute respiratory toxicity is based on data for a similar material.
ADDITIONAL TOXICOLOGY INFORMATION:
This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

12. ECOLOGICAL INFORMATION

ECOTOXICITY:
This material is not expected to be harmful to aquatic organisms.
ENVIRONMENTAL FATE:
This material is not expected to be readily biodegradable.

13. DISPOSAL CONSIDERATIONS

Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

14. TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT SHIPPING NAME: NOT DESIGNATED AS A HAZARDOUS MATERIAL BY THE FEDERAL DOT
DOT HAZARD CLASS: NOT APPLICABLE
DOT IDENTIFICATION NUMBER: NOT APPLICABLE
DOT PACKING GROUP: NOT APPLICABLE

15. REGULATORY INFORMATION

SARA 311 CATEGORIES:

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

REGULATORY LISTS SEARCHED:

01=SARA 313	11=NJ RTK	22=TSCA Sect 5(a)(2)
02=MASS RTK	12=CERCLA 302.4	23=TSCA Sect 6
03=NTP Carcinogen	13=MN RTK	24=TSCA Sect 12(b)
04=CA Prop 65-Carcin	14=ACGIH TWA	25=TSCA Sect 8(a)
05=CA Prop 65-Repro Tox	15=ACGIH STEL	26=TSCA Sect 8(d)
06=IARC Group 1	16=ACGIH Calc TLV	27=TSCA Sect 4(a)
07=IARC Group 2A	17=OSHA PEL	28=Canadian WHMIS
08=IARC Group 2B	18=DOT Marine Pollutant	29=OSHA CEILING
09=SARA 302/304	19=Chevron TWA	30=Chevron STEL
10=PA RTK	20=EPA Carcinogen	

The following components of this material are found on the regulatory lists indicated.

DISTILLATES, HYDROTREATED HEAVY PARAFFINIC
is found on lists: 14,15,17,

EU RISK AND SAFETY STATEMENTS:
May cause long-term adverse effects in the aquatic environment.
NEW JERSEY RTK CLASSIFICATION:
Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows:
PETROLEUM OIL
WHMIS CLASSIFICATION:
This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

16. OTHER INFORMATION

NFPA RATINGS: Health 1; Flammability 1; Reactivity 0;
HMIS RATINGS: Health 1; Flammability 1; Reactivity 0;
(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

REVISION STATEMENT:
This is a new Material Safety Data Sheet.

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	TPQ - Threshold Planning Quantity
RQ - Reportable Quantity	PEL - Permissible Exposure Limit
C - Ceiling Limit	CAS - Chemical Abstract Service Number
A1-5 - Appendix A Categories	() - Change Has Been Proposed
NDA - No Data Available	NA - Not Applicable

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Toxicology and Health Risk Assessment Unit, CRTC, P.O. Box 4054, Richmond, CA 94804

****

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

****

THIS IS THE LAST PAGE OF THIS MSDS

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District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 0169

1. RCRA Exempt: ☐ Non-Exempt: ■ Verbal Approval Received: Yes ☐ No ■	4. Generator **Compressor Systems Inc.** 5. Originating Site **NEBU 468**
2. Management Facility Destination **Tierra Landfarm**	6. Transporter **Inland**
3. Address of Facility Operator **420 CR 3100 Aztec, NM 87410**	8. State **NM**
7. Location of Material (Street Address or ULSTR) **Sec. 35 T31N R7W**	

9. Circle One:

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

(B) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved

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

BRIEF DESCRIPTION OF MATERIAL:

Used compressor oil & dirt resulting from a release involving a fire.

SEP 2001
RECEIVED
OIL CON. DIV
DIST. 3

Estimated Volume ____cy Known Volume (to be entered by the operator at the end of the haul) **18** cy

SIGNATURE _____ TITLE: **Environmental Specialist** DATE: **9/5/01**
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: **Jeremy J. Bath** TELEPHONE NO. **334-8894**

(This space for State Use)

APPROVED BY: _____ TITLE: Envir. Eng DATE: 9/7/01

APPROVED BY: _____ TITLE: Bureau Chief DATE: 9/13/01

E-mailed 9/13/01

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178 Fax (505)334-6170

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
COMPRESSOR SYSTEMS INC P.O. BOX 2144 FARMINGTON, NM 87499	
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
NEBU 468 (DEVON) CSI # 410248 Attach list of originating sites as appropriate	SEC. 35, RANGE R-7-W, T-31-N FNL 415'; FEL 1215' SAN JUAN COUNTY.
4. Source and Description of Waste	
COMPRESSOR OIL; ~~[illegible]~~ OIL WHICH LEAKED FROM A FIRE ON ENG./COMP SKID RAN ON TO GROUND AND BURNT. USED OIL FROM COMP. PACKAGE	

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

___ EXEMPT oilfield waste

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

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

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

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

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): Daniel Rael

Title: MAINTENANCE SUPERINTENDENT

Date: 8/14/01

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

August 29, 2001

Mr. Phil Nobis
Tierra Environmental Services, Inc.
P.O. Box 1812
Bloomfield, New Mexico 87413

Client No.: 94074-003

Dear Mr. Nobis,

Enclosed are the analytical results for the sample collected from the location designated as "NEU # 468 (Devon)". One soil sample was collected by Tierra Environmental designated personnel on 8/18/01, and delivered to the Envirotech laboratory on 8/20/01 for RCRA Total Metals analysis.

The sample was documented on Envirotech Chain of Custody No. 9532 and assigned Laboratory Nos. 20716 (Metals #1) for tracking purposes.

The sample was analyzed on 8/28/01 using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted,
Envirotech, Inc.

Christine M. Walters
Lab Coordinator / Environmental Scientist

enclosure

CMW/cmw

C:/files/labreportsTierra/.wpd

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	Tierra Environmental	Project #:	94074-003
Sample ID:	Metals #1	Date Reported:	08-28-01
Laboratory Number:	20716	Date Sampled:	08-18-01
Chain of Custody:	9532	Date Received:	08-20-01
Sample Matrix:	Soil	Date Analyzed:	08-28-01
Preservative:	Cool	Date Digested:	08-24-01
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	**0.152**	**0.002**	**5.0**
Barium	**28.6**	**0.002**	**100**
Cadmium	**0.100**	**0.002**	**1.0**
Chromium	**0.450**	**0.002**	**5.0**
Lead	**0.526**	**0.002**	**5.0**
Mercury	**ND**	**0.002**	**0.2**
Selenium	**0.074**	**0.002**	**1.0**
Silver	**0.032**	**0.002**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **NEU #468 (Devon).**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS
Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	08-28-TM QA/QC	Date Reported:	08-28-01
Laboratory Number:	20716	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	08-28-01
Condition:	N/A	Date Digested:	08-24-01

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	**ND**	**ND**	**0.002**	**0.152**	**0.150**	**1.3%**	**0% - 30%**
Barium	**ND**	**ND**	**0.002**	**28.6**	**28.8**	**0.7%**	**0% - 30%**
Cadmium	**ND**	**ND**	**0.002**	**0.100**	**0.100**	**0.0%**	**0% - 30%**
Chromium	**ND**	**ND**	**0.002**	**0.450**	**0.442**	**1.8%**	**0% - 30%**
Lead	**ND**	**ND**	**0.002**	**0.526**	**0.520**	**1.1%**	**0% - 30%**
Mercury	**ND**	**ND**	**0.002**	**ND**	**ND**	**0.0%**	**0% - 30%**
Selenium	**ND**	**ND**	**0.002**	**0.074**	**0.074**	**0.0%**	**0% - 30%**
Silver	**ND**	**ND**	**0.002**	**0.032**	**0.032**	**0.0%**	**0% - 30%**

Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	**1.00**	**0.152**	**1.15**	**99.8%**	**80% - 120%**
Barium	**1.00**	**28.6**	**29.4**	**99.3%**	**80% - 120%**
Cadmium	**1.00**	**0.100**	**1.10**	**100.0%**	**80% - 120%**
Chromium	**1.00**	**0.450**	**1.44**	**99.3%**	**80% - 120%**
Lead	**1.00**	**0.526**	**1.52**	**99.6%**	**80% - 120%**
Mercury	**0.100**	**ND**	**0.098**	**98.0%**	**80% - 120%**
Selenium	**1.00**	**0.074**	**1.07**	**99.6%**	**80% - 120%**
Silver	**1.00**	**0.032**	**1.03**	**99.8%**	**80% - 120%**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Comments: **QA/QC for samples 20716, 20726 - 20728 and 20748.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

CHAIN OF CUSTODY RECORD

09532

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
Tierra Environmental	NEU # 464 (Navajo)	
Sampler: Jon G. Nichols	Client No. 94074-003	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	RCRA Metals						Remarks
Metals #1	8/18/01	2:25P	20716	Soil	1	✓						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	8-20-01	12:15P		8-20-01	1215
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.

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

Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	—	—	—

Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEVRON HDAX NG Screw Compressor Oil

PRODUCT NUMBER(S): CPS255204 CPS255205
SYNONYM: CHEVRON HDAX NG Screw Compressor Oil ISO 150
CHEVRON HDAX NG Screw Compressor Oil ISO 68

COMPANY IDENTIFICATION

Chevron Products Company
Global Lubricants
555 Market St.
Room 803
San Francisco, CA 94105-2870

EMERGENCY TELEPHONE NUMBERS

HEALTH (24 hr): (800)231-0623 or
(510)231-0623 (International)
TRANSPORTATION (24 hr): CHEMTREC
(800)424-9300 or (703)527-3887
Int'l collect calls accepted

PRODUCT INFORMATION: MSDS Requests: (800) 228-3500
Environmental, Safety, & Health Info: (415) 894-0703
Product Information: (800) 582-3835

2. COMPOSITION/INFORMATION ON INGREDIENTS

100.0 % CHEVRON HDAX NG Screw Compressor Oil

CONTAINING

COMPONENTS	AMOUNT	LIMIT/QTY	AGENCY/TYPE
HYDROTREATED DIST., HVY PARA			
Chemical Name: DISTILLATES, HYDROTREATED HEAVY PARAFFINIC			
CAS64742547	> 80.00%	5 mg/m3 (mist)	ACGIH TWA
		10 mg/m3 (mist)	ACGIH STEL
		5 mg/m3 (mist)	OSHA PEL
ADDITIVES	< 20.00%		

COMPOSITION COMMENT:
All the components of this material are on the Toxic Substances Control

Act Chemical Substances Inventory.

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

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS
EYE:
Not expected to cause prolonged or significant eye irritation.
SKIN:
Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin.
INGESTION:
Not expected to be harmful if swallowed.
INHALATION:
Contains a petroleum-based mineral oil that may cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of airborne levels above the recommended exposure limit.

4. FIRST AID MEASURES

EYE:
No specific first aid measures are required because this material is not expected to cause eye irritation. As a precaution remove contact lenses, if worn, and flush eyes with water.
SKIN:
No specific first aid measures are required because this material is not expected to be harmful if it contacts the skin. As a precaution, remove clothing and shoes if contaminated. Use a waterless hand cleaner, mineral oil, or petroleum jelly to remove the material. Then wash skin with soap and water. Wash or clean contaminated clothing and shoes before reuse.
INGESTION:
No specific first aid measures are required because this material is not expected to be harmful if swallowed. Do not induce vomiting. As a precaution, give the person a glass of water or milk to drink and get medical advice. Never give anything by mouth to an unconscious person.
INHALATION:
If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

5. FIRE FIGHTING MEASURES

FIRE CLASSIFICATION:
Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or

combustible.

FLAMMABLE PROPERTIES:

FLASH POINT: (COC) 419-446F (215-230C) Min.

AUTOIGNITION: NDA

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

EXTINGUISHING MEDIA:

CO2, Dry Chemical, Foam, Water Fog

NFPA RATINGS: Health 1; Flammability 1; Reactivity 0.

FIRE FIGHTING INSTRUCTIONS:

This material will burn although it is not easily ignited.

COMBUSTION PRODUCTS:

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

6. ACCIDENTAL RELEASE MEASURES

CHEMTREC EMERGENCY NUMBER (24 hr): (800)424-9300 or (703)527-3887
International Collect Calls Accepted

ACCIDENTAL RELEASE MEASURES:

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

7. HANDLING AND STORAGE

Do not use pressure to empty drum or drum may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner, or properly disposed of. Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

Use in a well-ventilated area. If user operations generate an oil mist, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below the recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION:

No special eye protection is normally required. Where splashing is

possible, wear safety glasses with side shields as a good safety practice.

SKIN PROTECTION:

No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances. Suggested materials for protective gloves include: <Viton> <Nitrile> <Silver Shield> <4H>

RESPIRATORY PROTECTION:

No special respiratory protection is normally required. If user operations generate an oil mist, determine if airborne concentrations are below the recommended exposure limits. If not, select a NIOSH/MSHA approved respirator that provides adequate protection from concentrations of this material. Use the following elements for air-purifying respirators: particulate.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION:
Liquid.

pH:	NDA
VAPOR PRESSURE:	NA
VAPOR DENSITY (AIR=1):	NA
BOILING POINT:	NDA
FREEZING POINT:	NDA
MELTING POINT:	NA
SOLUBILITY:	Soluble in hydrocarbon solvents; insoluble in water.
SPECIFIC GRAVITY:	NDA
DENSITY:	NDA
EVAPORATION RATE:	NA
VISCOSITY:	61.2 - 135 cSt @ 40C (Min.)
PERCENT VOLATILE (VOL):	NA

10. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS:

No data available.

CHEMICAL STABILITY:

Stable.

CONDITIONS TO AVOID:

No data available.

INCOMPATIBILITY WITH OTHER MATERIALS:

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

HAZARDOUS POLYMERIZATION:

Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS:
The eye irritation hazard is based on data for a similar material.
SKIN EFFECTS:
The skin irritation hazard is based on data for a similar material.
ACUTE ORAL EFFECTS:
The acute oral toxicity is based on data for a similar material.
ACUTE INHALATION EFFECTS:
The acute respiratory toxicity is based on data for a similar material.
ADDITIONAL TOXICOLOGY INFORMATION:
This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

12. ECOLOGICAL INFORMATION

ECOTOXICITY:
This material is not expected to be harmful to aquatic organisms.
ENVIRONMENTAL FATE:
This material is not expected to be readily biodegradable.

13. DISPOSAL CONSIDERATIONS

Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

14. TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT SHIPPING NAME: NOT DESIGNATED AS A HAZARDOUS MATERIAL BY THE FEDERAL DOT
DOT HAZARD CLASS: NOT APPLICABLE
DOT IDENTIFICATION NUMBER: NOT APPLICABLE
DOT PACKING GROUP: NOT APPLICABLE

15. REGULATORY INFORMATION

SARA 311 CATEGORIES:

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

REGULATORY LISTS SEARCHED:

01=SARA 313	11=NJ RTK	22=TSCA Sect 5(a)(2)
02=MASS RTK	12=CERCLA 302.4	23=TSCA Sect 6
03=NTP Carcinogen	13=MN RTK	24=TSCA Sect 12(b)
04=CA Prop 65-Carcin	14=ACGIH TWA	25=TSCA Sect 8(a)
05=CA Prop 65-Repro Tox	15=ACGIH STEL	26=TSCA Sect 8(d)
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The following components of this material are found on the regulatory lists indicated.

DISTILLATES, HYDROTREATED HEAVY PARAFFINIC
is found on lists: 14,15,17,

EU RISK AND SAFETY STATEMENTS:
May cause long-term adverse effects in the aquatic environment.
NEW JERSEY RTK CLASSIFICATION:
Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows:
PETROLEUM OIL
WHMIS CLASSIFICATION:
This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

16. OTHER INFORMATION

NFPA RATINGS: Health 1; Flammability 1; Reactivity 0;
HMIS RATINGS: Health 1; Flammability 1; Reactivity 0;
(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

REVISION STATEMENT:
This is a new Material Safety Data Sheet.

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	TPQ - Threshold Planning Quantity
RQ - Reportable Quantity	PEL - Permissible Exposure Limit
C - Ceiling Limit	CAS - Chemical Abstract Service Number
A1-5 - Appendix A Categories	() - Change Has Been Proposed
NDA - No Data Available	NA - Not Applicable

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Toxicology and Health Risk Assessment Unit, CRTC, P.O. Box 4054, Richmond, CA 94804

****

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

****

THIS IS THE LAST PAGE OF THIS MSDS

****

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 0157

1. RCRA Exempt: ☐ Non-Exempt: ■ Verbal Approval Received: Yes ☐ No ■	4. Generator **Compressor Systems Inc.** 5. Originating Site **NEBU 496**
2. Management Facility Destination **Tierra Landfarm**	6. Transporter **Inland Trucking**
3. Address of Facility Operator **420 CR 3100 Aztec, NM 87410**	8. State **NM**
7. Location of Material (Street Address or ULSTR) **Sec.18 T31N R6W**	

9. Circle One:

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

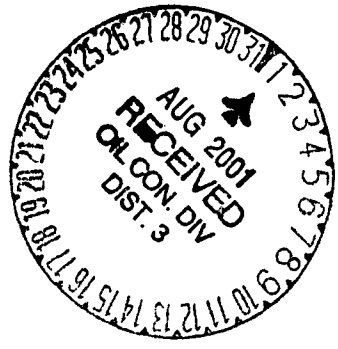
(B). All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved

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

BRIEF DESCRIPTION OF MATERIAL:

New Compressor Oil released during engine refill.

RECEIVED
AUG 07 2001
Environmental Bureau
Oil Conservation Division



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

SIGNATURE _____ TITLE: **Environmental Specialist** DATE: **7/23/01**
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: **Jeremy J. Bath** TELEPHONE NO. **334-8894**

(This space for State Use)

APPROVED BY: _____ TITLE: Geologist DATE: 8/03/01

APPROVED BY: _____ TITLE: _____ DATE: 8/7/01

NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178 Fax (505)334-61

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
COMPRESSOR SYSTEMS INC. P.O. BOX 2144 FARMINGTON, NM 87499	
3. Originating Site (name): NEBU 496 (DEVON) CDI # 410159 Attach list of originating sites as appropriate	**Location of the Waste (Street address &/or ULSTR):** 1330' FSL - 1000' FWL SEC 18 - T31N - R6W LAT - N 36° 53.7' ; LONG W 107° 30.6

4. Source and Description of Waste

COMPRESSOR OIL WHICH LEAKED OUT BY MEANS OF FILLING SCREW COMPRESSOR - OIL COOLER. HAD A LEAK AND PLANETH OUT - RAG WAS CONTAINED BUT SOME RAN OVER ONTO GROUND (NEW OIL)

I, DANIEL RAEL representative for:
(Print Name)

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

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

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

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

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

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): Daniel Rael

Title: MAINTENANCE SUPERINTENDENT

Date: 7/12/01

TIERRA 334-8894 John or Dave

Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEVRON HDAX NG Screw Compressor Oil

PRODUCT NUMBER(S): CPS255204 CPS255205
SYNONYM: CHEVRON HDAX NG Screw Compressor Oil ISO 150
CHEVRON HDAX NG Screw Compressor Oil ISO 68

COMPANY IDENTIFICATION

Chevron Products Company
Global Lubricants
555 Market St.
Room 803
San Francisco, CA 94105-2870

EMERGENCY TELEPHONE NUMBERS

HEALTH (24 hr): (800)231-0623 or
(510)231-0623 (International)
TRANSPORTATION (24 hr): CHEMTREC
(800)424-9300 or (703)527-3887
Int'l collect calls accepted

PRODUCT INFORMATION: MSDS Requests: (800) 228-3500
Environmental, Safety, & Health Info: (415) 894-0703
Product Information: (800) 582-3835

2. COMPOSITION/INFORMATION ON INGREDIENTS

100.0 % CHEVRON HDAX NG Screw Compressor Oil

CONTAINING

COMPONENTS	AMOUNT	LIMIT/QTY	AGENCY/TYPE
HYDROTREATED DIST., HVY PARA			
Chemical Name: DISTILLATES, HYDROTREATED HEAVY PARAFFINIC			
CAS64742547	> 80.00%	5 mg/m3 (mist)	ACGIH TWA
		10 mg/m3 (mist)	ACGIH STEL
		5 mg/m3 (mist)	OSHA PEL
ADDITIVES	< 20.00%		

COMPOSITION COMMENT:
All the components of this material are on the Toxic Substances Control

Act Chemical Substances Inventory.

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

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS
EYE:
Not expected to cause prolonged or significant eye irritation.
SKIN:
Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin.
INGESTION:
Not expected to be harmful if swallowed.
INHALATION:
Contains a petroleum-based mineral oil that may cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of airborne levels above the recommended exposure limit.

4. FIRST AID MEASURES

EYE:
No specific first aid measures are required because this material is not expected to cause eye irritation. As a precaution remove contact lenses, if worn, and flush eyes with water.
SKIN:
No specific first aid measures are required because this material is not expected to be harmful if it contacts the skin. As a precaution, remove clothing and shoes if contaminated. Use a waterless hand cleaner, mineral oil, or petroleum jelly to remove the material. Then wash skin with soap and water. Wash or clean contaminated clothing and shoes before reuse.
INGESTION:
No specific first aid measures are required because this material is not expected to be harmful if swallowed. Do not induce vomiting. As a precaution, give the person a glass of water or milk to drink and get medical advice. Never give anything by mouth to an unconscious person.
INHALATION:
If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

5. FIRE FIGHTING MEASURES

FIRE CLASSIFICATION:
Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or

combustible.

FLAMMABLE PROPERTIES:

FLASH POINT: (COC) 419-446F (215-230C) Min.

AUTOIGNITION: NDA

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

EXTINGUISHING MEDIA:

CO2, Dry Chemical, Foam, Water Fog

NFPA RATINGS: Health 1; Flammability 1; Reactivity 0.

FIRE FIGHTING INSTRUCTIONS:

This material will burn although it is not easily ignited.

COMBUSTION PRODUCTS:

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

6. ACCIDENTAL RELEASE MEASURES

CHEMTREC EMERGENCY NUMBER (24 hr): (800)424-9300 or (703)527-3887
International Collect Calls Accepted

ACCIDENTAL RELEASE MEASURES:

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

7. HANDLING AND STORAGE

Do not use pressure to empty drum or drum may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner, or properly disposed of. Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

Use in a well-ventilated area. If user operations generate an oil mist, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below the recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION:

No special eye protection is normally required. Where splashing is

possible, wear safety glasses with side shields as a good safety practice.

SKIN PROTECTION:

No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances. Suggested materials for protective gloves include: <Viton> <Nitrile> <Silver Shield> <4H>

RESPIRATORY PROTECTION:

No special respiratory protection is normally required. If user operations generate an oil mist, determine if airborne concentrations are below the recommended exposure limits. If not, select a NIOSH/MSHA approved respirator that provides adequate protection from concentrations of this material. Use the following elements for air-purifying respirators: particulate.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION:
Liquid.

pH:	NDA
VAPOR PRESSURE:	NA
VAPOR DENSITY (AIR=1):	NA
BOILING POINT:	NDA
FREEZING POINT:	NDA
MELTING POINT:	NA
SOLUBILITY:	Soluble in hydrocarbon solvents; insoluble in water.
SPECIFIC GRAVITY:	NDA
DENSITY:	NDA
EVAPORATION RATE:	NA
VISCOSITY:	61.2 - 135 cSt @ 40C (Min.)
PERCENT VOLATILE (VOL):	NA

10. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS:

No data available.

CHEMICAL STABILITY:

Stable.

CONDITIONS TO AVOID:

No data available.

INCOMPATIBILITY WITH OTHER MATERIALS:

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

HAZARDOUS POLYMERIZATION:

Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS:
The eye irritation hazard is based on data for a similar material.
SKIN EFFECTS:
The skin irritation hazard is based on data for a similar material.
ACUTE ORAL EFFECTS:
The acute oral toxicity is based on data for a similar material.
ACUTE INHALATION EFFECTS:
The acute respiratory toxicity is based on data for a similar material.
ADDITIONAL TOXICOLOGY INFORMATION:
This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

12. ECOLOGICAL INFORMATION

ECOTOXICITY:
This material is not expected to be harmful to aquatic organisms.
ENVIRONMENTAL FATE:
This material is not expected to be readily biodegradable.

13. DISPOSAL CONSIDERATIONS

Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

14. TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT SHIPPING NAME: NOT DESIGNATED AS A HAZARDOUS MATERIAL BY THE FEDERAL DOT
DOT HAZARD CLASS: NOT APPLICABLE
DOT IDENTIFICATION NUMBER: NOT APPLICABLE
DOT PACKING GROUP: NOT APPLICABLE

15. REGULATORY INFORMATION

SARA 311 CATEGORIES:

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

REGULATORY LISTS SEARCHED:

01=SARA 313	11=NJ RTK	22=TSCA Sect 5(a)(2)
02=MASS RTK	12=CERCLA 302.4	23=TSCA Sect 6
03=NTP Carcinogen	13=MN RTK	24=TSCA Sect 12(b)
04=CA Prop 65-Carcin	14=ACGIH TWA	25=TSCA Sect 8(a)
05=CA Prop 65-Repro Tox	15=ACGIH STEL	26=TSCA Sect 8(d)
06=IARC Group 1	16=ACGIH Calc TLV	27=TSCA Sect 4(a)
07=IARC Group 2A	17=OSHA PEL	28=Canadian WHMIS
08=IARC Group 2B	18=DOT Marine Pollutant	29=OSHA CEILING
09=SARA 302/304	19=Chevron TWA	30=Chevron STEL
10=PA RTK	20=EPA Carcinogen	

The following components of this material are found on the regulatory lists indicated.

DISTILLATES, HYDROTREATED HEAVY PARAFFINIC
is found on lists: 14,15,17,

EU RISK AND SAFETY STATEMENTS:
May cause long-term adverse effects in the aquatic environment.
NEW JERSEY RTK CLASSIFICATION:
Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows:
PETROLEUM OIL
WHMIS CLASSIFICATION:
This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

16. OTHER INFORMATION

NFPA RATINGS: Health 1; Flammability 1; Reactivity 0;
HMIS RATINGS: Health 1; Flammability 1; Reactivity 0;
(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

REVISION STATEMENT:
This is a new Material Safety Data Sheet.

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	TPQ - Threshold Planning Quantity
RQ - Reportable Quantity	PEL - Permissible Exposure Limit
C - Ceiling Limit	CAS - Chemical Abstract Service Number
A1-5 - Appendix A Categories	() - Change Has Been Proposed
NDA - No Data Available	NA - Not Applicable

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Toxicology and Health Risk Assessment Unit, CRTC, P.O. Box 4054, Richmond, CA 94804

****

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

****

THIS IS THE LAST PAGE OF THIS MSDS

****

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ■ Verbal Approval Received: Yes ☐ No ■	4. Generator **Red Cedar Gathering** 5. Originating Site **Outlaw Comp. Sta.**
2. Management Facility Destination **Tierra Landfarm**	6. Transporter **Flint**
3. Address of Facility Operator **420 CR 3100 Aztec, NM 87410**	8. State **CO**
7. Location of Material (Street Address or ULSTR) **2539 CR 308 La Plata Co., CO**	

9. Circle One:

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

(B). All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved

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

BRIEF DESCRIPTION OF MATERIAL:

Dirt impacted with Crankcase Oil

RECEIVED
AUG 0 6 2001
Environmental Bureau
Oil Conservation Division

JUL 2001
RECEIVED
OIL CON. DIV
DIST. 3

Estimated Volume ____ cy Known Volume (to be entered by the operator at the end of the haul) **15** cy

SIGNATURE _____ TITLE: **Environmental Specialist** DATE: **6/27/01**
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: **Jeremy J. Bath** TELEPHONE NO. **334-8894**

(This space for State Use)

APPROVED BY: _____ TITLE: Geologist DATE: 7/09/01

APPROVED BY: _____ TITLE: Bureau Chief DATE: 8/7/01

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name and Address:
Red Cedar Gathering 26266 Highway 160 Durango, CO 81303	Tierra Environmental Co., Inc., Land Farm 420 Road 3100 Aztec, NM 87410
3. Originating Site (name): Outlaw Compressor Station at 2539 CR 308, La Plata County, CO.	
4. Source and Description of Waste: Soils impacted by Crankcase Oil- Approximately 15 yards^3.	

I, Shawn A. Young, representative for Red Cedar Gathering do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1998 regulatory determination, the above-described waste is classified as indicated below:

☐ **EXEMPT** oilfield waste

☒ **NON-EXEMPT** oilfield waste which is non-hazardous by characteristic analysis or by product identification and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste only, the following documentation is attached:

☐ MSDS Information

☒ Other (Description): Laboratory Analysis

☐ RCRA Hazardous Waste Analysis

☐ Chain of Custody

Name (Original Signature): X _____

Title: Safety & Environmental Manager

Date: June 22, 2001

Certificate From Out Of State Agency Authorizing Removal Of RCRA Non-Exempt, Non-Hazardous, Oilfield Waste From Colorado To New Mexico

I have reviewed the enclosed information concerning the Non-exempt, Non-hazardous oilfield waste material from Red Cedar Gathering Company's Outlaw Compressor Station and agree that by its description it is non-hazardous as defined by the Resource Conservation and Recovery Act (RCRA) and my jurisdictions rules, regulations or statutes.

- The material is Non-exempt oilfield waste.
- The material is Non-hazardous by regulatory definition.

THEREFORE:
As a representative for the Southern Ute Indian Tribe I have no objection to the material being removed to New Mexico.

Name: Fran King-Brown Title: Head of Environmental Programs Division

Signature: X Fran King Brown Date: 6-22-01

Agency: Southern Ute Indian Tribe
Address P.O. Box 737, Ignacio, Colorado 81137
Phone: (970) 563-0135

Post-it® Fax Note 7671	Date 6-22-01	# of pages ▶ 1
To Sean Young	From Fran King-Brown	
Co./Dept.	Co.	
Phone #	Phone # 563-0135	
Fax # 382-0462	Fax # 563-0384	

Inter-Mountain Laboratories, Inc.
2506 West Main Street
Farmington, NM 87401

Client: Red Cedar Gathering
Project: Outlaws
Sample ID: Outlaw-062001
Lab ID: 0301W02943
Matrix: Soil
Condition: Cool/Intact

Date Reported: 06/21/01
Date Sampled: 06/20/01
Date Received: 06/20/01
Date Analyzed: 06/20/01

Parameter	Analytical Result	PQL	MCL	Units
Total Metals - Method 3050				
Arsenic	14	6	100	mg/Kg
Barium	182	1	2000	mg/Kg
Cadmium	0.5	0.5	20	mg/Kg
Chromium	16	1	100	mg/Kg
Lead	11	5	100	mg/Kg
Mercury	<0.06	0.06	4	mg/Kg
Selenium	<4	4	20	mg/Kg
Silver	<2	2	100	mg/Kg

PRELIMINARY

Reference: SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, November, 1986.
SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, Final Update 1, July 1992.

Reviewed By: _____
William Lipps

Flash Point

Client:	Red Cedar Gathering		
Project:	Outlaws	Date Reported:	06/21/01
Sample ID:	Outlaw - 062001	Date Sampled:	06/20/01
Laboratory ID:	0301w02943	Date Received:	06/20/01
Sample Matrix:	Soil	Date Analyzed:	06/21/01
Condition:	Intact		

Parameter	Result	Units
Flash Point	>140	°F

PRELIMINARY

References: Annual Book of ASTM Standards, Method D93-80.

Reported by:_____ Reviewed by:_____

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

RECEIVED
JUN 29 2001
Environmental Bureau
Oil Conservation Division

Form C-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 0137

1. RCRA Exempt: ☐ Non-Exempt: ■ Verbal Approval Received: Yes ☐ No ■	4. Generator **Compressor Systems Inc.** 5. Originating Site **S.J. Unit #30-S #228**
2. Management Facility Destination **Tierra Landfarm**	6. Transporter **Silver Star Trucking**
3. Address of Facility Operator **420 CR 3100 Aztec, NM 87410**	8. State **NM**
7. Location of Material (Street Address or ULSTR) **Sec. 28 T30N R5W**	

9. Circle One:

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

(B) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved

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

BRIEF DESCRIPTION OF MATERIAL:

New Screw Oil & Dirt

JUN 2001
RECEIVED
OIL CON. DIV
DIST. 3

Estimated Volume _____cy Known Volume (to be entered by the operator at the end of the haul) **15** cy

SIGNATURE _____ TITLE: **Environmental Specialist** DATE: **5/31/01**
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: **Jeremy J. Bath** TELEPHONE NO. **334-8894**

(This space for State Use)

APPROVED BY: _____ TITLE: Ecologist DATE: 6/18/01

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 7-2-01

THE REPRODUCTION OF

THE

FOLLOWING

DOCUMENT (S)

CANNOT BE IMPROVED

DUE TO

THE CONDITION OF

THE ORIGINAL

NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178 Fax (505)334-6170

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
C. S. I.	Tierra
3. Originating Site (name): S. J. Unit #30-5 #228	**Location of the Waste (Street address &/or ULSTR):** F.St. 1686 - F. W.L. 1911 Sec-28 R.-5 T-30
Attach list of originating sites as appropriate	
4. Source and Description of Waste NEW Screw Oil NGP150 Spill while pumping into Compressor.	

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

__ EXEMPT oilfield waste

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

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

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

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

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): Bill Henderson

Title: maintenance Superintendent

Date: 5-22-01

Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEVRON HDAX NG Screw Compressor Oil

PRODUCT NUMBER(S): CPS255204 CPS255205
SYNONYM: CHEVRON HDAX NG Screw Compressor Oil ISO 150
CHEVRON HDAX NG Screw Compressor Oil ISO 68

COMPANY IDENTIFICATION

Chevron Products Company
Global Lubricants
555 Market St.
Room 803
San Francisco, CA 94105-2870

EMERGENCY TELEPHONE NUMBERS

HEALTH (24 hr): (800)231-0623 or
(510)231-0623 (International)
TRANSPORTATION (24 hr): CHEMTREC
(800)424-9300 or (703)527-3887
Int'l collect calls accepted

PRODUCT INFORMATION: MSDS Requests: (800) 228-3500
Environmental, Safety, & Health Info: (415) 894-0703
Product Information: (800) 582-3835

2. COMPOSITION/INFORMATION ON INGREDIENTS

100.0 % CHEVRON HDAX NG Screw Compressor Oil

CONTAINING

COMPONENTS	AMOUNT	LIMIT/QTY	AGENCY/TYPE
HYDROTREATED DIST., HVY PARA			
Chemical Name: DISTILLATES, HYDROTREATED HEAVY PARAFFINIC			
CAS64742547	> 80.00%	5 mg/m3 (mist)	ACGIH TWA
		10 mg/m3 (mist)	ACGIH STEL
		5 mg/m3 (mist)	OSHA PEL
ADDITIVES	< 20.00%		

COMPOSITION COMMENT:
All the components of this material are on the Toxic Substances Control

Act Chemical Substances Inventory.

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

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYE:
Not expected to cause prolonged or significant eye irritation.

SKIN:
Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin.

INGESTION:
Not expected to be harmful if swallowed.

INHALATION:
Contains a petroleum-based mineral oil that may cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of airborne levels above the recommended exposure limit.

4. FIRST AID MEASURES

EYE:
No specific first aid measures are required because this material is not expected to cause eye irritation. As a precaution remove contact lenses, if worn, and flush eyes with water.

SKIN:
No specific first aid measures are required because this material is not expected to be harmful if it contacts the skin. As a precaution, remove clothing and shoes if contaminated. Use a waterless hand cleaner, mineral oil, or petroleum jelly to remove the material. Then wash skin with soap and water. Wash or clean contaminated clothing and shoes before reuse.

INGESTION:
No specific first aid measures are required because this material is not expected to be harmful if swallowed. Do not induce vomiting. As a precaution, give the person a glass of water or milk to drink and get medical advice. Never give anything by mouth to an unconscious person.

INHALATION:
If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

5. FIRE FIGHTING MEASURES

FIRE CLASSIFICATION:
Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or

combustible.

FLAMMABLE PROPERTIES:
FLASH POINT: (COC) 419-446F (215-230C) Min.
AUTOIGNITION: NDA
FLAMMABILITY LIMITS (% by volume in air): Lower: NA Upper: NA
EXTINGUISHING MEDIA:
CO2, Dry Chemical, Foam, Water Fog
NFPA RATINGS: Health 1; Flammability 1; Reactivity 0.
FIRE FIGHTING INSTRUCTIONS:
This material will burn although it is not easily ignited.
COMBUSTION PRODUCTS:
Normal combustion forms carbon dioxide and water vapor and may produce oxides of nitrogen and phosphorus. Incomplete combustion can produce carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

CHEMTREC EMERGENCY NUMBER (24 hr): (800)424-9300 or (703)527-3887
International Collect Calls Accepted
ACCIDENTAL RELEASE MEASURES:
Stop the source of the leak or release. Clean up releases as soon as possible. Contain liquid to prevent further contamination of soil, surface water or groundwater. Clean up small spills using appropriate techniques such as sorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.

7. HANDLING AND STORAGE

Do not use pressure to empty drum or drum may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner, or properly disposed of. Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS
Use in a well-ventilated area. If user operations generate an oil mist, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below the recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT
EYE/FACE PROTECTION:
No special eye protection is normally required. Where splashing is

possible, wear safety glasses with side shields as a good safety practice.
SKIN PROTECTION:
No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances. Suggested materials for protective gloves include: <Viton> <Nitrile> <Silver Shield> <4H>
RESPIRATORY PROTECTION:
No special respiratory protection is normally required. If user operations generate an oil mist, determine if airborne concentrations are below the recommended exposure limits. If not, select a NIOSH/MSHA approved respirator that provides adequate protection from concentrations of this material. Use the following elements for air-purifying respirators: particulate.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION:
Liquid.

pH:	NDA
VAPOR PRESSURE:	NA
VAPOR DENSITY (AIR=1):	NA
BOILING POINT:	NDA
FREEZING POINT:	NDA
MELTING POINT:	NA
SOLUBILITY:	Soluble in hydrocarbon solvents; insoluble in water.
SPECIFIC GRAVITY:	NDA
DENSITY:	NDA
EVAPORATION RATE:	NA
VISCOSITY:	61.2 - 135 cSt @ 40C (Min.)
PERCENT VOLATILE (VOL):	NA

10. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS:
No data available.
CHEMICAL STABILITY:
Stable.
CONDITIONS TO AVOID:
No data available.
INCOMPATIBILITY WITH OTHER MATERIALS:
May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
HAZARDOUS POLYMERIZATION:
Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS:
The eye irritation hazard is based on data for a similar material.
SKIN EFFECTS:
The skin irritation hazard is based on data for a similar material.
ACUTE ORAL EFFECTS:
The acute oral toxicity is based on data for a similar material.
ACUTE INHALATION EFFECTS:
The acute respiratory toxicity is based on data for a similar material.
ADDITIONAL TOXICOLOGY INFORMATION:
This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

12. ECOLOGICAL INFORMATION

ECOTOXICITY:
This material is not expected to be harmful to aquatic organisms.
ENVIRONMENTAL FATE:
This material is not expected to be readily biodegradable.

13. DISPOSAL CONSIDERATIONS

Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

14. TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT SHIPPING NAME: NOT DESIGNATED AS A HAZARDOUS MATERIAL BY THE FEDERAL DOT
DOT HAZARD CLASS: NOT APPLICABLE
DOT IDENTIFICATION NUMBER: NOT APPLICABLE
DOT PACKING GROUP: NOT APPLICABLE

15. REGULATORY INFORMATION

SARA 311 CATEGORIES:

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

REGULATORY LISTS SEARCHED:

01=SARA 313	11=NJ RTK	22=TSCA Sect 5(a)(2)
02=MASS RTK	12=CERCLA 302.4	23=TSCA Sect 6
03=NTP Carcinogen	13=MN RTK	24=TSCA Sect 12(b)
04=CA Prop 65-Carcin	14=ACGIH TWA	25=TSCA Sect 8(a)
05=CA Prop 65-Repro Tox	15=ACGIH STEL	26=TSCA Sect 8(d)
06=IARC Group 1	16=ACGIH Calc TLV	27=TSCA Sect 4(a)
07=IARC Group 2A	17=OSHA PEL	28=Canadian WHMIS
08=IARC Group 2B	18=DOT Marine Pollutant	29=OSHA CEILING
09=SARA 302/304	19=Chevron TWA	30=Chevron STEL
10=PA RTK	20=EPA Carcinogen	

The following components of this material are found on the regulatory lists indicated.

DISTILLATES, HYDROTREATED HEAVY PARAFFINIC
is found on lists: 14,15,17,

EU RISK AND SAFETY STATEMENTS:
May cause long-term adverse effects in the aquatic environment.
NEW JERSEY RTK CLASSIFICATION:
Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows:
PETROLEUM OIL
WHMIS CLASSIFICATION:
This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

16. OTHER INFORMATION

NFPA RATINGS: Health 1; Flammability 1; Reactivity 0;
HMIS RATINGS: Health 1; Flammability 1; Reactivity 0;
(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

REVISION STATEMENT:
This is a new Material Safety Data Sheet.

Revision Number: 0 **Revision Date: 10/25/97** **MSDS Number: 006852**

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	TPQ - Threshold Planning Quantity
RQ - Reportable Quantity	PEL - Permissible Exposure Limit
C - Ceiling Limit	CAS - Chemical Abstract Service Number
A1-5 - Appendix A Categories	() - Change Has Been Proposed
NDA - No Data Available	NA - Not Applicable

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Toxicology and Health Risk Assessment Unit, CRTC, P.O. Box 4054, Richmond, CA 94804

****

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

****

THIS IS THE LAST PAGE OF THIS MSDS

****

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-138
Revised March 17, 1999

RECEIVED
JUN 29 2001
Environmental Bureau
Oil Conservation Division

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 0102

1. RCRA Exempt: ☐ Non-Exempt: ■ Verbal Approval Received: Yes ☐ No ☐	4. Generator **Navajo Refining Co.** 5. Originating Site **Bloomfield Terminal**
2. Management Facility Destination **Tierra Landfarm**	6. Transporter **Inland**
3. Address of Facility Operator **420 CR 3100 Aztec, NM 87410**	8. State **NM**
7. Location of Material (Street Address or ULSTR) **170 Road 4980 Bloomfield, NM**	

9. Circle One:

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

(B) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved

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

BRIEF DESCRIPTION OF MATERIAL:

Soil contaminated with JP-8 released during offload ops.

Resubmittal with necessary emergency documentation.

JUN 2001
RECEIVED
OIL CON. DIV
DIST. 3

Original Submittal February 2001

Estimated Volume ____ cy

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

SIGNATURE _____ TITLE: **Environmental Specialist** DATE: **6/4/01**
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: **Jeremy J. Bath** TELEPHONE NO. **334-8894**

(This space for State Use)

APPROVED BY: _____ TITLE: Geologist DATE: 6/18/01

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 7-2-01

San Juan County

100 South Oliver Drive
Aztec, New Mexico 87410-2432
Phone: (505) 334-9481 • Fax: (505) 334-3168

May 3, 2001

Tierra Environmental Corp.
P.O. Box 1812
Bloomfield, NM 87413

To Whom It May Concern:

The JP8 fuel spilled at the Navajo Refinery terminal was an environmental hazard and needed to be removed immediately.

If you have any questions please call me at 334-1160.

Sincerely,

Don Cooper
Emergency Manager

District I - (505) 393-6161
625 N. French Dr.
Hobbs, NM 88240
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131
2040 S. Pacheco
Santa Fe, NM 87505

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

Form C-143
3/15/00

Submit to OCD Permitted Surface Waste Management Facility

GENERATOR CERTIFICATE OF WASTE STATUS

1. Waste Generator Name and Address:
NAVAJO REFINING CO.
170 ROAD 4990
POB 159
BLOOMFIELD, NM 87413-0159

2. Permit Number (If waste generated at an OCD permitted facility)

3. Description of Waste and Generating Process:
SOIL CONTAMINATED WITH JP-8 (JET FUEL). GENERATED DURING PRODUCT OFF-LOADING OPERATIONS FROM TANKER TRUCK TO TERMINAL.

4. Location of Waste (Street address &/or ULSTR):
NAVAJO REFINING COMPANY
BLOOMFIELD TERMINAL
170 ROAD 4990
BLOOMFIELD, NM 87413

5. Destination (Surface Waste Management Facility):
TIERRA ENVIRONMENTAL COMPANY, INC.
420 C.R. 3100
AZTEC, NM 87410

6. Transporter: Inland Corp.

7. Estimated Volume _____ cy/bbls
4 cy

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

X MSDS Information

_____ RCRA Hazardous Waste Analysis (With Chain of Custody).

_____ Other (Description)

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

_____ EXEMPT oilfield waste.

X NON-EXEMPT oilfield waste that is non-hazardous pursuant to 40 CFR Part 261. (Attach appropriate documentation)

In addition, Generator certifies that nothing has been added to this exempt or non-exempt non-hazardous waste and that this waste does not contain Naturally Occurring Radioactive Material (NORM) regulated pursuant to 20 NMAC 3.1 Subpart 1403.

Generator Signature: Navajo Refining Co. [signature] Date: 2-03-01

Print Name: Jim G. Townsend

Title: Vice President

TOTAL P.02

NAVAJO REFINING COMPANY
P. O. BOX 159
ARTESIA, NM 88211-0159
(505) 748-3311, (505) 365-8364, (505) 365-8365 (24 Hours)

MATERIAL SAFETY DATA SHEET

EMERGENCY PHONE NUMBERS:

CHEMTREC: 1-800-424-9300 (for fire, spill and emergency response information)
NEW MEXICO POISON INFORMATION CENTER: 1-800-432-6866 (for poisoning)
TEXAS (EL PASO) POISON INFORMATION CENTER: (915) 533-1244 (for poisoning)
ARIZONA POISON INFORMATION CENTER: 1-800-362-0101 or (602) 253-3334 (for poisoning)

JET FUEL, JP-8

SECTION 1 – PRODUCT IDENTIFICATION

PRODUCT NAME: JP-8
CHEMICAL FAMILY: Petroleum Hydrocarbon
CAS NUMBER: Mixture
FORMULA: C_9H_{20} to $C_{16}H_{34}$

NFPA 704 SYMBOL

SYNONYMS: Jet Fuel, JP-8, Aviation Turbine Fuel
NATO F-34, Straight run Kerosene, UN 1863

SECTION 2 – HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	CAS NO.	APPROX. VOL%	TLV	STEL	PEL	IDLH
Kerosene	8008-20-6	>90	NA	NA	NA	NA
Napthalene	91-20-3	≤3	10ppm	15ppm	10ppm	250ppm

SECTION 3 – PHYSICAL DATA

BOILING POINT: 350-500°F
VAPOR PRESSURE: @68°F 2 mm Hg
VAPOR DENSITY (AIR=1): 4.5
SOLUBILITY IN WATER: Insoluble
ODOR THRESHOLD: 1.0 ppm
SPECIFIC GRAVITY (WATER=1): 0.8
% VOLATILE BY VOLUME: N/A
EVAPORATION RATE: No data available
AUTOIGNITION TEMP: >400°F
APPEARANCE AND ODOR: Clear to yellow liquid with characteristic hydrocarbon smell.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

JET FUEL, JP-8

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Eliminate all sources of ignition. Contain spill. Use water fog to suppress vapor cloud. Use SCBA to avoid breathing vapors. Absorb liquid with sand or clay.

WASTE DISPOSAL: Dispose in accordance with RCRA regulations. Do not put in sewers or any water course.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: All equipment and storage container should be properly grounded. This material is subject to OSHA and DOT regulations. Portable metal container should be bonded to the storage container before transferring liquid.

OTHER PRECAUTIONS: Avoid breathing vapors. Extremely flammable. Do not weld on container unless properly cleaned and purged using safe work procedures.

SECTION 8 - ENVIRONMENTAL AND SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Use NIOSH\MSHA approved positive pressure SCBA or Hoseline unit with egress bottle as respiratory protection in areas exceeding exposure limits.

VENTILATION: Use in well ventilated area. Mechanical exhaust should be explosion proof.

EYE/SKIN PROTECTION: Rubber gloves, face shields, goggles or safety glasses with side shields, coveralls.

WORK/HYGIENIC PRACTICES: Remove contaminated clothing as soon as possible. Always wash after handling hazardous chemicals.

NOTICE: This product contains a toxic chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

REFER TO DEPARTMENT OF TRANSPORTATION (DOT) EMERGENCY RESPONSE GUIDEBOOK GUIDE 128 FOR ADDITIONAL EMERGENCY INFORMATION.

This information is believed to be accurate and as reliable as information available to us. We make no warranty or guarantee as to its accuracy and assume no liability from its use. Users should determine the suitability of the information for their particular purposes.

SECTION 4- FIRE AND EXPLOSION HAZARD DATA

JET FUEL, JP-8

CLASSIFICATION: Class II, Combustible Liquid
FLASH POINT: >100°F (TOC)
FLAMMABLE LIMITS: LEL = 0.7% UEL = 5.0%
EXTINGUISHING MEDIA: Foam, dry chemical, carbon dioxide, Halon
SPECIAL FIRE FIGHTING PROCEDURES: Move container from fire area if possible. Use water to keep fire exposed containers cool. Use foam for spill control.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Evacuate a radius of 1500 feet for uncontrolled fires. Vapors are heavier than air and may travel great distances and flash back.

NFPA FIRE = 2 (moderate)

SECTION 5- REACTIVITY DATA

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID/INCOMPATABILITY: Strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide

NFPA REACTIVITY = 0 (minimal)

SECTION 6- HEALTH HAZARD DATA

ROUTES OF ENTRY: Inhalation, ingestion, skin contact.

HEALTH HAZARDS: Chronic toxicity, possible cancer, irritation to eyes, skin and mucous membranes, pulmonary edema, bronchial pneumonia, asphyxiation, liver and kidney damage, anemia or myocardial damage.

CARCINOGENICITY: Product is not listed by NTP or IARC.

SIGNS AND SYMPTOMS OF EXPOSURE: Irritation of eyes, skin and mucous membranes, dizziness, headaches, respiratory arrest, coughing, irregular heartbeat, mental confusion, vomiting, blurred vision, flushing of face, slurred speech, difficulty in swallowing, weakness, pain in limbs, coma and convulsions. Also, insomnia, toxicity, psychosis, tremors, exaggerated tendon reflexes.

EMERGENCY AND FIRST AID PROCEDURES:

INJESTION: DO NOT induce vomiting. Immediately seek medical attention. Give water to dilute, if conscious.

INHALATION: Move to fresh air. Maintain respirations, assist with artificial respiration if needed and give oxygen if available and trained to do so. Seek medical attention. If irritation persists seek medical attention.

EYES: Flush eyes with water for at least 15 minutes. Seek medical attention.

SKIN: Remove kerosene soaked clothing. Wash skin with soap and water. If irritation persists seek medical attention.

NFPA HEALTH = 0 (minimal)

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 0134

1. RCRA Exempt: ■ Non-Exempt: ☐ Verbal Approval Received: Yes ■ No ☐ M. Gilling 5/16/01	4. Generator **Red Cedar Gathering**
	5. Originating Site **Pump Canyon Sta.**
2. Management Facility Destination **Tierra Landfarm**	6. Transporter **T & R Trucking**
3. Address of Facility Operator **420 CR 3100 Aztec, NM 87410**	8. State **CO**
7. Location of Material (Street Address or ULSTR) **Sec. 11 T32N R 8W**	

9. Circle One:

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

B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved

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

BRIEF DESCRIPTION OF MATERIAL:

Dirt & Produced Water containing < 5% Waste Compressor Oil

MAY 2001
RECEIVED
OIL CON. DIV
DIST. 3

Estimated Volume **200** cy Known Volume (to be entered by the operator at the end of the haul) **310** cy

SIGNATURE _____ TITLE: **Environmental Specialist** DATE: **5/29/01**
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: **Jeremy J. Bath** TELEPHONE NO. **334-8894**

(This space for State Use)

APPROVED BY: _____ TITLE: Geologist DATE: 6/1/01

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 6-8-01

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name and Address:
Red Cedar Gathering 26266 Highway 160 Durango, CO 81303	Tierra Environmental Co., Inc., Land Farm 420 Road 3100 Aztec, NM 87410
3. Originating Site (name): Pump Canyon Compressor Station at Sec. 11 of T32N, R8W	
4. Source and Description of Waste (revised): Soils impacted by Produced Water (contains some oils from compression <5% by volume based on qualitative analysis of soils removed) - Approximately 200 yards^3.	

I, Shawn A. Young, representative for Red Cedar Gathering do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1998 regulatory determination, the above-described waste is classified as indicated below:

☒ **EXEMPT** oilfield waste

☐ **NON-EXEMPT** oilfield waste which is non-hazardous by characteristic analysis or by product identification and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste only, the following documentation is attached:

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

Name (Original Signature): X _____

Title: Safety & Environmental Manager

Date: May 29, 2001

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

I have reviewed the enclosed information concerning the oilfield waste material from the Pump Canyon Compressor Station and agree that by its description it is non-hazardous and therefore exempt from regulation by the Resource Conservation and Recovery Act (RCRA) and my jurisdictions rules, regulations or statutes.

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

_____ The material is exempt from regulation by characteristic analyses

_____ This material is exempt from regulation by product identification

THEREFORE:
As a representative for the Bureau of Indian Affairs, I have no objection to the material being removed to New Mexico.

NAME: Mike Stancampiano TITLE: Superintendent

SIGNATURE: DATE: 1/14/01

AGENCY: Bureau of Indian Affairs, Southern Ute Agency

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

PHONE: (970) 563-4514

KM

PINNACLE LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)
CLIENT : PLATEAU ENVIRONMENTAL PINNACLE I.D.: 104024
PROJECT # : (none)
PROJECT NAME : RED CEDAR CPS

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	ANIMAS SS1	NON-AQ	04/03/01	04/07/01	04/07/01	1
02	ANIMAS SS2	NON-AQ	04/03/01	04/07/01	04/07/01	1
03	ANIMAS SS3	NON-AQ	04/03/01	04/07/01	04/12/01	50

PARAMETER	DET. LIMIT	UNITS	ANIMAS SS1	ANIMAS SS2	ANIMAS SS3
FUEL HYDROCARBONS, C6-C10	10	MG/KG	< 10	< 10	< 500
FUEL HYDROCARBONS, C10-C22	10	MG/KG	< 10	< 10	**2000**
FUEL HYDROCARBONS, C22-C36	10	**MG/KG**	< 10	**210**	**46000**
CALCULATED SUM:				**210**	**48000**
SURROGATE:					
O-TERPHENYL (%)			86	86	*
SURROGATE LIMITS	(66 - 151)				

CHEMIST NOTES:
Surrogate not recoverable due to necessary sample dilution

PINNACLE LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)
CLIENT : PLATEAU ENVIRONMENTAL PINNACLE I.D.: 104024
PROJECT # : (none)
PROJECT NAME : RED CEDAR CPS

SAMPLE I.D. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
14	ARROWHEAD SS1	NON-AQ	04/03/01	04/07/01	04/12/01	50
15	ARROWHEAD SS2	NON-AQ	04/03/01	04/07/01	04/16/01	1
16	ARROWHEAD SS3	NON-AQ	04/03/01	04/07/01	04/13/01	50

PARAMETER	DET. LIMIT	UNITS	ARROWHEAD SS1	ARROWHEAD SS2	ARROWHEAD SS3
FUEL HYDROCARBONS, C6-C10	10	MG/KG	< 500	< 10	< 500
FUEL HYDROCARBONS, C10-C22	10	**MG/KG**	**3400**	**14**	**1500**
FUEL HYDROCARBONS, C22-C36	10	**MG/KG**	**50000**	**140**	**27000**
CALCULATED SUM:			**53400**	**154**	**28500**
SURROGATE:					
P-TERPHENYL (%)			*	90	*
SURROGATE LIMITS	(66 - 151)				

CHEMIST NOTES:
Surrogate not recoverable due to necessary sample dilution

PINNACLE LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)
CLIENT : PLATEAU ENVIRONMENTAL PINNACLE I.D.: 104024
PROJECT # : (none)
PROJECT NAME : RED CEDAR CPS

SAMPLE I.D. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
07	PUMP CAN SS1	NON-AQ	04/03/01	04/07/01	04/13/01	100

PARAMETER	DET. LIMIT	UNITS	PUMP CAN SS1
FUEL HYDROCARBONS, C6-C10	10	MG/KG	< 1000
FUEL HYDROCARBONS, C10-C22	10	**MG/KG**	**11000**
FUEL HYDROCARBONS, C22-C36	10	**MG/KG**	**59000**
CALCULATED SUM:			**70000**

SURROGATE:
O-TERPHENYL (%)
SURROGATE LIMITS (66 - 151)

CHEMIST NOTES:
Surrogate not recoverable due to necessary sample dilution

PINNACLE LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

0134

GAS CHROMATOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8015 MODIFIED (DIRECT INJECT)		
BLANK I.D.	: 040701	PINNACLE I.D.	: 104024
CLIENT	: PLATEAU ENVIRONMENTAL	DATE EXTRACTED	: 04/07/01
PROJECT #	: (none)	DATE ANALYZED	: 04/07/01
PROJECT NAME	: RED CEDAR CPS	SAMPLE MATRIX	: NON-AQ

PARAMETER	UNITS	
FUEL HYDROCARBONS, C6-C10	MG/KG	< 10
FUEL HYDROCARBONS, C10-C22	MG/KG	< 10
FUEL HYDROCARBONS, C22-C36	MG/KG	< 10

SURROGATE:		
O-TERPHENYL (%)		84
SURROGATE LIMITS	(80 - 151)	

CHEMIST NOTES:
N/A

PINNACLE LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GAS CHROMATOGRAPHY QUALITY CONTROL
MSMSD

TEST	: EPA 8015 MODIFIED (DIRECT INJECT)		
MSMSD #	: 040701	PINNACLE I.D.	: 104024
CLIENT	: PLATEAU ENVIRONMENTAL	DATE EXTRACTED	: 04/07/01
PROJECT #	: (none)	DATE ANALYZED	: 04/07/01
PROJECT NAME	: RED CEDAR CPS	SAMPLE MATRIX	: NON-AQ
		UNITS	: MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<10	200	185	93	192	96	4	(56 - 148)	20

CHEMIST NOTES:
N/A

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

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

STL Pensacola
LOG NO: C1-04241
Received: 10 APR 01
Reported: 23 APR 01

Ms. Jacinta Tenorio
Pinnacle Laboratories
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Project: 104024,PES-RED CEDAR CPS
Sampled By: Client
Code: 092810423

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
04241-1	ANIMAS SS1|104024-01	04-03-01/13:45
04241-2	ANIMAS SS2|104024-02	04-03-01/14:00
04241-3	ANIMAS SS3|104024-03	04-03-01/14:15
04241-4	ARROWHEAD SS1|104024-04	04-03-01/15:10
04241-5	ARROWHEAD SS2|104024-05	04-03-01/15:30

PARAMETER	04241-1	04241-2	04241-3	04241-4	04241-5
RCRA Metals (6010B)					
Arsenic, mg/kg dw	3.2	2.6	2.4	5.0	7.3
Barium, mg/kg dw	210	250	240	270	240
Cadmium, mg/kg dw	<0.51	<0.41	<0.41	<0.52	<0.54
Chromium, mg/kg dw	12	9.1	8.6	9.7	12
Lead, mg/kg dw	12	12	8.6	12	11
Selenium, mg/kg dw	<1.0	<0.83	<0.81	<1.0	<1.1
Silver, mg/kg dw	<0.51	<0.41	<0.41	<0.52	<0.54
Dilution Factor	1	1	1	1	1
Prep Date	04.12.01	04.12.01	04.12.01	04.12.01	04.12.01
Analysis Date	04.16.01	04.16.01	04.16.01	04.16.01	04.16.01
Batch ID	PS063	PS063	PS063	PS063	PS063
Prep Method	3050B	3050B	3050B	3050B	3050B
Analyst	CH	CH	CH	CH	CH
Mercury (7471A), mg/kg dw	0.017	0.019	0.021	1.4	0.052
Dilution Factor	1	1	1	10	1
Prep Date	04.16.01	04.16.01	04.16.01	04.16.01	04.16.01
Analysis Date	04.16.01	04.16.01	04.16.01	04.16.01	04.16.01
Batch ID	HGS009	HGS009	HGS009	HGS009	HGS009
Prep Method	7471A	7471A	7471A	7471A	7471A
Analyst	JDE	JDE	JDE	JDE	JDE
Percent Solids	86	84	98	94	82

STL Pensacola
LOG NO: C1-04241
Received: 10 APR 01
Reported: 23 APR 01

Ms. Jacinta Tenorio
Pinnacle Laboratories
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Project: 104024,PES-RED CEDAR CPS
Sampled By: Client
Code: 092810423

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
04241-6	ARROWHEAD SS3|104024-06	04-03-01/15:40
04241-7	PUMP CAN SS1|104024-07	04-03-01/11:50

PARAMETER	04241-6	04241-7
RCRA Metals (6010B)		
Arsenic, mg/kg dw	6.9	3.8
Barium, mg/kg dw	270	290
Cadmium, mg/kg dw	<0.52	<0.47
Chromium, mg/kg dw	11	11
Lead, mg/kg dw	11	9.7
Selenium, mg/kg dw	<1.0	<0.93
Silver, mg/kg dw	<0.52	<0.47
Dilution Factor	1	1
Prep Date	04.12.01	04.12.01
Analysis Date	04.16.01	04.16.01
Batch ID	PS063	PS063
Prep Method	3050B	3050B
Analyst	CH	CH
Mercury (7471A), mg/kg dw	0.89	2.6
Dilution Factor	10	10
Prep Date	04.16.01	04.16.01
Analysis Date	04.16.01	04.16.01
Batch ID	HGS009	HGS009
Prep Method	7471A	7471A
Analyst	JDE	JDE
Percent Solids	92	85

STL Pensacola
LOG NO: C1-04241
Received: 10 APR 01
Reported: 23 APR 01

Ms. Jacinta Tenorio
Pinnacle Laboratories
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Project: 104024, PES-RED CEDAR CPS
Sampled By: Client
Code: 092810423

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
04241-8	Method Blank	
04241-9	Lab Control Standard % Recovery	
04241-10	Matrix Spike % Recovery	
04241-11	Matrix Spike Duplicate % Recovery	

PARAMETER	04241-8	04241-9	04241-10	04241-11
RCRA Metals (6010B)				
Arsenic, mg/kg dw	<0.500	98 %	90 %	90 %
Barium, mg/kg dw	<1.000	104 %	111 %	103 %
Cadmium, mg/kg dw	<0.500	98 %	91 %	91 %
Chromium, mg/kg dw	<0.500	106 %	97 %	97 %
Lead, mg/kg dw	<0.500	99 %	92 %	91 %
Selenium, mg/kg dw	<1.000	93 %	87 %	87 %
Silver, mg/kg dw	<0.500	101 %	97 %	97 %
Dilution Factor	1	1	1	1
Prep Date	04.12.01	04.12.01	04.12.01	04.12.01
Analysis Date	04.16.01	04.16.01	04.16.01	04.16.01
Batch ID	PS063	PS063	PS063	PS063
Prep Method	3050B	3050B	3050B	3050B
Analyst	CH	CH	CH	CH
Mercury (7471A), mg/kg dw	<0.0083	96 %	93 %	92 %
Dilution Factor	1	5	1	1
Prep Date	04.16.01	04.16.01	04.16.01	04.16.01
Analysis Date	04.16.01	04.16.01	04.16.01	04.16.01
Batch ID	HGS009	HGS009	HGS009	HGS009
Prep Method	7471A	7471A	7471A	7471A
Analyst	JDE	JDE	JDE	JDE

These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report.

Lance Larson, Project Manager

Pinnacle Laboratories, Inc. — **Interlab Chain of Custody** — Date: 4/9 Page: 1 of 1

Network Project Manager: Jacinta A. Tenorio

Pinnacle Laboratories, Inc.
2709-D Pan American Freeway, NE
Albuquerque, New Mexico 87107
(505) 344-3777 Fax (505) 344-4413

C104241

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals (8) RCRA	RCRA TCLP METALS	Metals-13 PP List	Metals-TAL (23 METALS)		TOX	TOC	Gen Chemistry:		Oil and Grease	Volatile Organics GC/MS (8260)	BOD	COD	PESTICIDES/PCB (608/8082)	Herbicides (615/8151)	PNA (8310)/8270 SIMS	8240 (TCLP 1311) ZHE		Base/Neutral Acid Compounds GC/MS (625/8270)	URANIUM (ICP-MS)	RADIUM 226+228	Gross Alpha/Beta	TO-14	NUMBER OF CONTAINERS
Animas SS1/104024-01	4/3	845	NAG	1	X																							
SS2/104024-02		1400		2	X																							
SS3/104024-03		1415		3	X																							
Arrowhead SS1/104024-04		1510		4	X																							
SS2/104024-05		1530		5	X																							
SS3/104024-06		1540		6	X																							
Pump Can SS1/104024-07		1150		7	X																							

PROJECT INFORMATION	SAMPLE RECEIPT	SAMPLES SENT TO:	RELINQUISED BY: 1.	RELINQUISED BY: 2
PROJECT #: 104024	Total Number of Containers	PENSACOLA - STL-FL X	Signature: Francine Tenorio Time: 1700	Signature: Time:
PROJ. NAME: PES	Chain of Custody Seals	ESL - OR	Printed Name: Francine Tenorio Date: 4/9/01	Printed Name: Date:
QC LEVEL: (STD) IV	Received Intact?	STL - CT	Pinnacle Laboratories, Inc.	Company:
QC REQUIRED (MS MSD BLANK)	Received Good Cond./Cold	ATEL - AZ	RECEIVED BY: 1.	RECEIVED BY: 2
TAT: (STANDARD) RUSH!!	LAB NUMBER:	ATEL - MARION	Signature: Mark Sandford Time: 0935	Signature: Time:
DUE DATE: 4/23	COMMENTS:	ATEL - MELMORE	Printed Name: Mark Sandford Date: 4/10/01	Printed Name: Date:
RUSH SURCHARGE: —		BARRINGER	Company: STL	Company:
CLIENT DISCOUNT: —		ENVIRO TEST LABS		
SPECIAL CERTIFICATION REQUIRED: YES (NO)		WCAS		
		WOHL		

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

Pinnacle Laboratories Inc.

CHAIN OF CUSTODY

DATE: 4-4-01 PAGE 1 OF 1

PLI Accession #: 104024

PROJECT MANAGER: Keith Fox

COMPANY: Plateau Env. Serv.
ADDRESS: 3238 E. 5th Ave
Dgo CO 81301
PHONE: 970 884 0627
FAX:

BILL TO: Same
COMPANY:
ADDRESS:

ANALYSIS REQUEST (columns): Petroleum Hydrocarbons (418.1) TRPH; (MOD.8015) Diesel/Direct Inject; (M8015) Gas/Purge & Trap; 8021 (BTEX)/8015 (Gasoline) MTBE; 8021 (BTEX) ☐ MTBE ☐ TMB ☐ PCE; 8021 (TCL); 8021 (EDX); 8021 (HALO); 8021 (CUST); 504.1 EDB ☐ / DBCP ☐; 8260 (TCL) Volatile Organics; 8260 (Full) Volatile Organics; 8260 (CUST) Volatile Organics; 8260 (Landfill) Volatile Organics; Pesticides /PCB (608/8081/8082); Herbicides (615/8151); Base/Neutral/Acid Compounds GC/MS (625/8270); Polynuclear Aromatics (610/8310/8270-SIMS); General Chemistry:; Priority Pollutant Metals (13); Target Analyte List Metals (23); RCRA Metals (8); RCRA Metals by TCLP (Method 1311); Metals:; NUMBER OF CONTAINERS

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.	(MOD.8015) Diesel/Direct Inject	RCRA Metals (8)	NUMBER OF CONTAINERS
Animas 551	4-3-01	1:45	NA	01	X	X	2
Animas 552	↓	2:00	↓	02	↓	↓	2
Animas 553	↓	2:15	↓	03	↓	↓	2
Arrowhead 551	↓	3:10	↓	04	↓	↓	2
Arrowhead 552	↓	3:30	↓	05	↓	↓	2
Arrowhead 553	↓	3:40	↓	06	↓	↓	2
Pump Can. 551	↓	11:50	↓	07	↓	↓	2

PROJECT INFORMATION
PROJ NO.:
PROJ NAME: Red Cedar CPS
P.O. NO.:
SHIPPED VIA:

SAMPLE RECEIPT
NO. CONTAINERS: 14
CUSTODY SEALS: Y/N/NA
RECEIVED INTACT: Yes
BLUE ICE/ICE: 5.8°C

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS
(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK (NORMAL) X
CERTIFICATION REQUIRED: ☐ NM ☐ SDWA ☐ OTHER
METHANOL PRESERVATION ☐
COMMENTS: FIXED FEE ☐

RELINQUISHED BY: 1.
Signature: [signature] Time: 3:30
Printed Name: Keith S. Fox Date: 4-4-01
Company: PES
See reverse side (Force Majeure)

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

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

RECEIVED BY: (LAB) 2.
Signature: [signature] Time: 0845
Printed Name: Francine Tonio Date: 4/6/01
Pinnacle Laboratories Inc.

11/10/98 PLI Inc.: Pinnacle Laboratories, Inc. • 2709-D Pan American Freeway, NE • Albuquerque, New Mexico 87107 • (505) 344-3777 • Fax (505) 344-4413 • E-mail: PINI_LAB@WORLDNET.ATT.NET DISTRIBUTION: White - PLI, Canary - Originator

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 133

1. RCRA Exempt: ☐ Non-Exempt: ■ Verbal Approval Received: Yes ■ No ☐ Denny Foust 4/20/01	4. Generator **American Energy Services**
	5. Originating Site **CR 214 & 215 Int.**
2. Management Facility Destination **Tierra Landfarm**	6. Transporter **Riverstone Construction**
3. Address of Facility Operator **420 CR 3100 Aztec, NM 87410**	8. State **CO**
7. Location of Material (Street Address or ULSTR) **CR 214 & 215, La Plata County**	

9. Circle One:

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

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved

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

BRIEF DESCRIPTION OF MATERIAL:

Dirt w/ Diesel fuel, Hydraulic fluid, Motor oil, and Antifreeze from Truck roll-over

MAY 2001
RECEIVED
OIL CON. DIV
DIST. 3

Estimated Volume _____ cy Known Volume (to be entered by the operator at the end of the haul) **56** cy

SIGNATURE _____ TITLE: **Environmental Specialist** DATE: **5/22/01**
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: **Jeremy J. Bath** TELEPHONE NO. **334-8894**

(This space for State Use)

APPROVED BY: Denny Foust TITLE: Geologist DATE: 6/1/01

APPROVED BY: Montyne J. Kelly TITLE: Environmental Geologist DATE: 6-8-01

NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178 Fax (505)334-6170

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
American Energy Services 708 S. Tucker Ftmgt N.Mex	Tierra Land Farm
3. Originating Site (name): Intersection of La Plata Co Rd 214 & 215 La Plata Colo. Attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR):
4. Source and Description of Waste Diesal Fuel Anti Freeze mixed with Dirt Hyd. Oil motor Oil	

I, Billie Fennell (Print Name) representative for: American Energy Services do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

___ EXEMPT oilfield waste

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

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

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

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

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): Billie Fennell

Title: Account Manager

TOTAL P.02

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Tierra Environmental	Project #:	94074-003
Sample ID:	Contaminated Soil	Date Reported:	05-15-01
Lab ID#:	19828	Date Sampled:	05-02-01
Sample Matrix:	Soil	Date Received:	05-07-01
Preservative:	Cool	Date Analyzed:	05-11-01
Condition:	Cool and Intact	Chain of Custody:	8643

Parameter	Result	
IGNITABILITY:	**Negative**	
CORROSIVITY:	**Negative**	**pH = 8.07**
REACTIVITY:	**Negative**	

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. *(i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)*
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. *(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)*
REACTIVITY:	Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. *(i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)*
Reference:	40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: **CR 214 & 213 Intersection, CO.**

Christine M Walters
Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS

Client:	Tierra Environmental	Project #:	94074-003
Sample ID:	Contaminated Soil	Date Reported:	05-16-01
Laboratory Number:	19828	Date Sampled:	05-02-01
Chain of Custody:	8643	Date Received:	05-07-01
Sample Matrix:	TCLP Extract	Date Extracted:	05-09-01
Preservative:	Cool	Date Analyzed:	05-15-01
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	**ND**	**0.0001**	**0.2**
1,1-Dichloroethene	**ND**	**0.0001**	**0.7**
2-Butanone (MEK)	**0.0330**	**0.0001**	**200**
Chloroform	**ND**	**0.0001**	**6.0**
Carbon Tetrachloride	**ND**	**0.0001**	**0.5**
Benzene	**ND**	**0.0001**	**0.5**
1,2-Dichloroethane	**ND**	**0.0001**	**0.5**
Trichloroethene	**ND**	**0.0003**	**0.5**
Tetrachloroethene	**ND**	**0.0005**	**0.7**
Chlorobenzene	**ND**	**0.0003**	**100**
1,4-Dichlorobenzene	**ND**	**0.0002**	**7.5**

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	**100%**
	1,4-difluorobenzene	**100%**
	4-bromochlorobenzene	**100%**

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

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

Comments: **CR 214 & 213 Intersection, CO.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040
PHENOLS

Client:	Tierra Environmental	Project #:	94074-003
Sample ID:	Contaminated Soil	Date Reported:	05-17-01
Laboratory Number:	19828	Date Sampled:	05-02-01
Chain of Custody:	8643	Date Received:	05-07-01
Sample Matrix:	TCLP Extract	Date Extracted:	05-09-01
Preservative:	Cool	Date Analyzed:	05-16-01
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	98%
	2,4,6-Tribromophenol	99%

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

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

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

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

Comments: **CR 214 & 213 Intersection, CO.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	Tierra Environmental	Project #:	94074-003
Sample ID:	Contaminated Soil	Date Reported:	05-16-01
Laboratory Number:	19828	Date Sampled:	05-02-01
Chain of Custody:	8643	Date Received:	05-07-01
Sample Matrix:	TCLP Extract	Date Extracted:	05-09-01
Preservative:	Cool	Date Analyzed:	05-16-01
Condition:	Cool and Intact	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	**100%**

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

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

Comments: **CR 214 & 213 Intersection, CO.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Tierra Environmental	Project #:	94074-003
Sample ID:	Contaminated Soil	Date Reported:	05-15-01
Laboratory Number:	19828	Date Sampled:	05-02-01
Chain of Custody:	8643	Date Received:	05-07-01
Sample Matrix:	TCLP Extract	Date Analyzed:	05-15-01
Preservative:	Cool	Date Extracted:	05-09-01
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	**0.009**	**0.001**	**5.0**
Barium	**1.01**	**0.001**	**100**
Cadmium	**0.004**	**0.001**	**1.0**
Chromium	**ND**	**0.001**	**5.0**
Lead	**0.011**	**0.001**	**5.0**
Mercury	**ND**	**0.001**	**0.2**
Selenium	**0.005**	**0.001**	**1.0**
Silver	**ND**	**0.001**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission SW-846, USEPA. December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **CR 214 & 213 Intersection, CO.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL

DOCUMENTATION

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	05-16-01
Laboratory Number:	05-15-TCV	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-15-01
Condition:	N/A	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	**100%**
	1,4-difluorobenzene	**100%**
	4-bromochlorobenzene	**100%**

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

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

Comments: **QA/QC for samples 19828, 19830 and 19865.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	05-16-01
Laboratory Number:	05-09-TCV-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-15-01
Condition:	N/A	Date Extracted:	05-09-01
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	99%
	1,4-difluorobenzene	98%
	4-bromochlorobenzene	98%

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

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

Comments: **QA/QC for samples 19828, 19830 and 19865.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	05-16-01
Laboratory Number:	19828	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	05-15-01
Condition:	N/A	Date Extracted:	05-09-01

Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	0.0330	0.0330	0.0001	0.0%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	ND	ND	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0003	0.0%
Tetrachloroethene	ND	ND	0.0005	0.0%
Chlorobenzene	ND	ND	0.0003	0.0%
1,4-Dichlorobenzene	ND	ND	0.0002	0.0%

ND - Parameter not detected at the stated detection limit.

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

Comments: **QA/QC for samples 19828, 19830 and 19865.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	05-16-01
Laboratory Number:	19828	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	05-15-01
Condition:	N/A	Date Extracted:	N/A

Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.050	0.0495	0.0001	99%	28-163
1,1-Dichloroethene	ND	0.050	0.0494	0.0001	99%	43-143
2-Butanone (MEK)	0.0330	0.050	0.0820	0.0001	99%	47-132
Chloroform	ND	0.050	0.0500	0.0001	100%	49-133
Carbon Tetrachloride	ND	0.050	0.0490	0.0001	98%	43-143
Benzene	ND	0.050	0.050	0.0001	99%	39-150
1,2-Dichloroethane	ND	0.050	0.0490	0.0001	98%	51-147
Trichloroethene	ND	0.050	0.0495	0.0003	99%	35-146
Tetrachloroethene	ND	0.050	0.0495	0.0005	99%	26-162
Chlorobenzene	ND	0.050	0.0495	0.0003	99%	38-150
1,4-Dichlorobenzene	ND	0.050	0.0495	0.0002	99%	42-143

ND - Parameter not detected at the stated detection limit.

References:

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

Comments: **QA/QC for samples 19828, 19830 and 19865.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040
PHENOLS
Quality Assurance Report
Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	05-17-01
Laboratory Number:	05-16-TCA	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-16-01
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	98 %
	2,4,6-tribromophenol	99 %

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

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

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

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

Comments: **QA/QC for samples 19828, 19830 and 19865.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040
PHENOLS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	05-17-01
Laboratory Number:	05-09-TCA	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	05-09-01
Condition:	Cool & Intact	Date Analyzed:	05-16-01
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	**ND**	**0.020**	**200**
p,m-Cresol	**ND**	**0.040**	**200**
2,4,6-Trichlorophenol	**ND**	**0.020**	**2.0**
2,4,5-Trichlorophenol	**ND**	**0.020**	**400**
Pentachlorophenol	**ND**	**0.020**	**100**

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	**98%**
	2,4,6-Tribromophenol	**99%**

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

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

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

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

Comments: **QA/QC for samples 19828, 19830 and 19865.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040
PHENOLS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	05-17-01
Laboratory Number:	19828	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool & Intact	Date Analyzed:	05-16-01
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

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

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

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

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

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

Comments: **QA/QC for samples 19828, 19830 and 19865.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	05-16-01
Laboratory Number:	05-16-TBN	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	05-16-01
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

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

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

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

Comments: **QA/QC for samples 19828, 19830 and 19865.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	05-16-01
Laboratory Number:	05-09-TBN-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	05-09-01
Condition:	Cool and Intact	Date Analyzed:	05-16-01
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

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

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

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

Comments: **QA/QC for samples 19828, 19830 and 19865.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QA/QC Matrix Duplicate Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	05-16-01
Laboratory Number:	19828	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	05-16-01
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	**ND**	**ND**	**0.0%**	**0.020**
Hexachloroethane	**ND**	**ND**	**0.0%**	**0.020**
Nitrobenzene	**ND**	**ND**	**0.0%**	**0.020**
Hexachlorobutadiene	**ND**	**ND**	**0.0%**	**0.020**
2,4-Dinitrotoluene	**ND**	**ND**	**0.0%**	**0.020**
HexachloroBenzene	**ND**	**ND**	**0.0%**	**0.020**

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Maximum Difference
	8090 Compounds	**30%**

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

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

Comments: **QA/QC for samples 19828, 19830 and 19865.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	05-15-TCM QA/QC	Date Reported:	05-15-01
Laboratory Number:	19828	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	05-15-01
Condition:	N/A	Date Extracted:	N/A

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Difference	Acceptance Range
Arsenic	ND	ND	0.001	0.009	0.009	0.0%	0% - 30%
Barium	ND	ND	0.001	1.01	1.00	1.0%	0% - 30%
Cadmium	ND	ND	0.001	0.004	0.004	0.0%	0% - 30%
Chromium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Lead	ND	ND	0.001	0.011	0.011	0.0%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.005	0.005	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%

Spike Conc. (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.009	0.508	99.8%	80% - 120%
Barium	0.500	1.01	1.49	98.7%	80% - 120%
Cadmium	0.500	0.004	0.503	99.8%	80% - 120%
Chromium	0.500	ND	0.499	99.8%	80% - 120%
Lead	0.500	0.011	0.510	99.8%	80% - 120%
Mercury	0.050	ND	0.049	98.0%	80% - 120%
Selenium	0.500	0.005	0.505	100.0%	80% - 120%
Silver	0.500	ND	0.499	99.8%	80% - 120%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission, SW-846, USEPA, December 1996.

Comments: **QA/QC for samples 19828, 19830 and 19865.**

Analyst

Review

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CHAIN OF CUSTODY RECORD

08643

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
Tierra Environmetal	CR 214 & 213 intersection, CO	
Sampler:	Client No. 94074-003	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TCLP w/o H&P						Remarks
Contaminated Soil	5/2/01	1430	19828	Soil	1	✓						

	Date	Time		Date	Time
Relinquished by: (Signature)	5-2-01	11:20	Received by: (Signature)	5/2/01	11:20
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.

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

Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		

STATE OF COLORADO

Bill Owens, Governor
Jane E. Norton, Executive Director
Dedicated to protecting and improving the health and environment of the people of Colorado
Grand Junction Regional Office
222 S. 6th St., Rm 232
Grand Junction, CO 81501-2768
Fax (970) 248-7198

Colorado Department
of Public Health
and Environment

June 1, 2001

Mr. Jon Nobis
Tierra Environmental Company, Inc.
420 C.R. 3100
P.O Drawer 15250
Farmington NM 87401

RE: Petroleum Contaminated Soil Transport Request
American Energy Service
La Plata County

Dear Mr. Nobis:

The data supplied June 1, 2001 for the above referenced material has been reviewed by our office. This material consists of approximately 56 cubic yards of petroleum contaminated soil from a truck accident on C.R. 214 in La Plata County on april 20, 2001. The material has been characterized and may be transported as a solid waste and disposed of at an appropriate facility the discretion of the owner/operator of that facility.

Please contact me in my office at 970-248-7168 if you require further information.

Sincerely,

Donna Stoner
Solid Waste Unit
Compliance Program

:ds

cc: SW LAP GEN 3.1
File

Verbal Approval Given
For Redceder
9:05 marlyne

TIERRA ENVIRONMENTAL COMPANY INC.

CORPORATE and LANDFARM OFFICES FAX COVER SHEET

P.O. Drawer 15250
Farmington,NM 87401

420 C.R. 3100
Aztec, NM 87410
Phone:(505) 334-8894
FAX:(505) 334-9024

DATE: 5-10-01 PAGE 1 OF 9

FROM: Jeremy J. Bath

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

TO: Marlyne J. Kieling

FAX: 505-476-3462

SUBJECT / NOTES:

Here are the lab results we discussed. Please review and respond at your convenience.

Thanx

Jeremy

Kath Fax - 970-247-9200

PINNACLE LABORATORIES
2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)
CLIENT : PLATEAU ENVIRONMENTAL PINNACLE I.D.: 104024
PROJECT # : (none)
PROJECT NAME : RED CEDAR CPS

SAMPLE I.D. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
14	ARROWHEAD SS1	NON-AQ	04/03/01	04/07/01	04/12/01	50
15	ARROWHEAD SS2	NON-AQ	04/03/01	04/07/01	04/16/01	1
16	ARROWHEAD SS3	NON-AQ	04/03/01	04/07/01	04/13/01	50

PARAMETER	DET. LIMIT	UNITS	ARROWHEAD SS1	ARROWHEAD SS2	ARROWHEAD SS3
FUEL HYDROCARBONS, C8-C10	10	MG/KG	< 500	< 10	< 500
FUEL HYDROCARBONS, C10-C22	10	**MG/KG**	**3400**	**14**	**1500**
FUEL HYDROCARBONS, C22-C36	10	**MG/KG**	**50000**	**140**	**27000**
CALCULATED SUM:			**53400**	**154**	**28500**
SURROGATE:					
P-TERPHENYL (%)			*	90	*
SURROGATE LIMITS	(66 - 151)				

CHEMIST NOTES:
Surrogate not recoverable due to necessary sample dilution

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Albuquerque, New Mexico 87107
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GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)
CLIENT : PLATEAU ENVIRONMENTAL PINNACLE I.D.: 104024
PROJECT # : (none)
PROJECT NAME : RED CEDAR CPS

SAMPLE I.D. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
07	PUMP CAN SS1	NON-AQ	04/03/01	04/07/01	04/13/01	100

PARAMETER	DET. LIMIT	UNITS	PUMP CAN SS1
FUEL HYDROCARBONS, C6-C10	10	MG/KG	< 1000
FUEL HYDROCARBONS, C10-C22	10	**MG/KG**	**11000**
FUEL HYDROCARBONS, C22-C36	10	**MG/KG**	**59000**
CALCULATED SUM:			**70000**

SURROGATE:
P-TERPHENYL (%)
SURROGATE LIMITS (66 - 151)

CHEMIST NOTES:
Surrogate not recoverable due to necessary sample dilution

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
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Fax (505) 344-4413

GAS CHROMATOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8015 MODIFIED (DIRECT INJECT)		
BLANK I.D.	: 040701	PINNACLE I.D.	: 104034
CLIENT	: PLATEAU ENVIRONMENTAL	DATE EXTRACTED	: 04/07/01
PROJECT #	: (none)	DATE ANALYZED	: 04/07/01
PROJECT NAME	: RED CEDAR CPS	SAMPLE MATRIX	: NON-AQ

PARAMETER	UNITS	
FUEL HYDROCARBONS, C6-C10	MG/KG	< 10
FUEL HYDROCARBONS, C10-C22	MG/KG	< 10
FUEL HYDROCARBONS, C22-C36	MG/KG	< 10

SURROGATE:		
O-TERPHENYL (%)		84
SURROGATE LIMITS	(80 - 151)	

CHEMIST NOTES:
N/A

PINNACLE LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GAS CHROMATOGRAPHY QUALITY CONTROL
MSMSD

TEST	: EPA 8015 MODIFIED (DIRECT INJECT)		
MSMSD #	: 040701	PINNACLE I.D.	: 104024
CLIENT	: PLATEAU ENVIRONMENTAL	DATE EXTRACTED	: 04/07/01
PROJECT #	: (none)	DATE ANALYZED	: 04/07/01
PROJECT NAME	: RED CEDAR CPS	SAMPLE MATRIX	: NON-AQ
		UNITS	MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<10	200	185	93	192	96	4	(56 - 148)	20

CHEMIST NOTES:
NA

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

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

STL Pensacola
LOG NO: C1-04241
Received: 10 APR 01
Reported: 23 APR 01

Ms. Jacinta Tenorio
Pinnacle Laboratories
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Project: 104024,PES-RED CEDAR CPS
Sampled By: Client
Code: 092810423

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
04241-1	ANIMAS SS1|104024-01	04-03-01/13:45
04241-2	ANIMAS SS2|104024-02	04-03-01/14:00
04241-3	ANIMAS SS3|104024-03	04-03-01/14:15
04241-4	ARROWHEAD SS1|104024-04	04-03-01/15:10
04241-5	ARROWHEAD SS2|104024-05	04-03-01/15:30

PARAMETER	04241-1	04241-2	04241-3	04241-4	04241-5
RCRA Metals (6010B)					
Arsenic, mg/kg dw	3.2	2.6	2.4	5.0	7.3
Barium, mg/kg dw	210	250	240	270	240
Cadmium, mg/kg dw	<0.51	<0.41	<0.41	<0.52	<0.54
Chromium, mg/kg dw	12	9.1	8.6	9.7	12
Lead, mg/kg dw	12	12	8.6	12	11
Selenium, mg/kg dw	<1.0	<0.83	<0.81	<1.0	<1.1
Silver, mg/kg dw	<0.51	<0.41	<0.41	<0.52	<0.54
Dilution Factor	1	1	1	1	1
Prep Date	04.12.01	04.12.01	04.12.01	04.12.01	04.12.01
Analysis Date	04.16.01	04.16.01	04.16.01	04.16.01	04.16.01
Batch ID	PS063	PS063	PS063	PS063	PS063
Prep Method	3050B	3050B	3050B	3050B	3050B
Analyst	CH	CH	CH	CH	CH
Mercury (7471A), mg/kg dw	0.017	0.019	0.021	1.4	0.052
Dilution Factor	1	1	1	10	1
Prep Date	04.16.01	04.16.01	04.16.01	04.16.01	04.16.01
Analysis Date	04.16.01	04.16.01	04.16.01	04.16.01	04.16.01
Batch ID	HGS009	HGS009	HGS009	HGS009	HGS009
Prep Method	7471A	7471A	7471A	7471A	7471A
Analyst	JDE	JDE	JDE	JDE	JDE
Percent Solids	86	84	98	94	82

STL Pensacola
LOG NO: C1-04241
Received: 10 APR 01
Reported: 23 APR 01

Ms. Jacinta Tenorio
Pinnacle Laboratories
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Project: 104024,PES-RED CEDAR CPS
Sampled By: Client
Code: 092810423

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
04241-6	ARROWHEAD SS3|104024-06	04-03-01/15:40
04241-7	PUMP CAN SS1|104024-07	04-03-01/11:50

PARAMETER		04241-6	04241-7
RCRA Metals (6010B)			
Arsenic, mg/kg dw	S.	6.9	3.8
Barium, mg/kg dw	100.	270	290
Cadmium, mg/kg dw	1.	<0.52	<0.47
Chromium, mg/kg dw	S.	11	11
Lead, mg/kg dw	S.	11	9.7
Selenium, mg/kg dw		<1.0	<0.93
Silver, mg/kg dw		<0.52	<0.47
Dilution Factor		1	1
Prep Date		04.12.01	04.12.01
Analysis Date		04.16.01	04.16.01
Batch ID		PS063	PS063
Prep Method		3050B	3050B
Analyst		CH	CH
Mercury (7471A), mg/kg dw	.2	0.89	2.6
Dilution Factor		10	10
Prep Date		04.16.01	04.16.01
Analysis Date		04.16.01	04.16.01
Batch ID		HGS009	HGS009
Prep Method		7471A	7471A
Analyst		JDE	JDE
Percent Solids		92	85

STL Pensacola
LOG NO: C1-04241
Received: 10 APR 01
Reported: 23 APR 01

Ms. Jacinta Tenorio
Pinnacle Laboratories
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Project: 104024, PES-RED CEDAR CPS
Sampled By: Client
Code: 092810423

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
04241-8	Method Blank	
04241-9	Lab Control Standard % Recovery	
04241-10	Matrix Spike % Recovery	
04241-11	Matrix Spike Duplicate % Recovery	

PARAMETER	04241-8	04241-9	04241-10	04241-11
RCRA Metals (6010B)				
Arsenic, mg/kg dw	<0.500	98 %	90 %	90 %
Barium, mg/kg dw	<1.000	104 %	111 %	103 %
Cadmium, mg/kg dw	<0.500	98 %	91 %	91 %
Chromium, mg/kg dw	<0.500	106 %	97 %	97 %
Lead, mg/kg dw	<0.500	99 %	92 %	91 %
Selenium, mg/kg dw	<1.000	93 %	87 %	87 %
Silver, mg/kg dw	<0.500	101 %	97 %	97 %
Dilution Factor	1	1	1	1
Prep Date	04.12.01	04.12.01	04.12.01	04.12.01
Analysis Date	04.16.01	04.16.01	04.16.01	04.16.01
Batch ID	PS063	PS063	PS063	PS063
Prep Method	3050B	3050B	3050B	3050B
Analyst	CH	CH	CH	CH
Mercury (7471A), mg/kg dw	<0.0083	96 %	93 %	92 %
Dilution Factor	1	5	1	1
Prep Date	04.16.01	04.16.01	04.16.01	04.16.01
Analysis Date	04.16.01	04.16.01	04.16.01	04.16.01
Batch ID	HGS009	HGS009	HGS009	HGS009
Prep Method	7471A	7471A	7471A	7471A
Analyst	JDE	JDE	JDE	JDE

These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report.

Lance Larson, Project Manager

PINNACLE LABORATORIES
2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)
CLIENT : PLATEAU ENVIRONMENTAL PINNACLE I.D.: 104024
PROJECT # : (none)
PROJECT NAME : RED CEDAR CPS

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	ANIMAS SS1	NON-AQ	04/03/01	04/07/01	04/07/01	1
02	ANIMAS SS2	NON-AQ	04/03/01	04/07/01	04/07/01	1
03	ANIMAS SS3	NON-AQ	04/03/01	04/07/01	04/12/01	50

PARAMETER	DET. LIMIT	UNITS	ANIMAS SS1	ANIMAS SS2	ANIMAS SS3
FUEL HYDROCARBONS, C6-C10	10	MG/KG	< 10	< 10	< 500
FUEL HYDROCARBONS, C10-C22	10	MG/KG	< 10	< 10	2000
FUEL HYDROCARBONS, C22-C36	10	MG/KG	< 10	210	46000
CALCULATED SUM:				210	48000
SURROGATE:					
P-TERPHENYL (%)			86	86	*
SURROGATE LIMITS	(66 - 151)				

CHEMIST NOTES:
Surrogate not recoverable due to necessary sample dilution

District I
1625 N French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 0102

1. RCRA Exempt: ☐ Non-Exempt: ■ Verbal Approval Received: Yes ■ No ☐	4. Generator **Navajo Refining Co.** 5. Originating Site **Bloomfield Term.**
2. Management Facility Destination **Tierra Landfarm**	6. Transporter **Inland**
3. Address of Facility Operator **420 CR 3100 Aztec NM**	8. State **NM**
7. Location of Material (Street Address or ULSTR) **170 CR 4980 Bloomfield**	

9. Circle One:

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

B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved

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

BRIEF DESCRIPTION OF MATERIAL:

contaminated soil with JP-8 generated during off-loading operations

MAR 2001
RECEIVED
OIL CON. DIV.
DIST. 3

This material should not have gone to Tierra. Refined product from a pipeline receiving facility etc / not under NMOCD jurisdiction
10 CY

Refined Product Non-Oilfield mj 4/11/01

DGF 3/21/01 **10 CY**

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

SIGNATURE _____ TITLE **Landfarm Manager** DATE **03/15/01**
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME **Jon Nobis** TELEPHONE NUM. **334-8894**

(This space for State Use)

APPROVED BY: ~~DENIED~~ TITLE: _____ DATE: _____

APPROVED BY: Martyn J Kelly TITLE: Environmental Geologist DATE: 5-21-01

strict I - (505) 393-6161
25 N. French Dr
bbs, NM 88240
strict II - (505) 748-1283
1 S. First
tesia, NM 88210
strict III - (505) 334-6178
00 Rio Brazos Road
ec, NM 87410
strict IV - (505) 827-7131
40 S. Pacheco
nta Fe, NM 87505

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

Form C-143
3/15/00

Submit to OCD
Permitted Surface
Waste Management
Facility

GENERATOR CERTIFICATE OF WASTE STATUS

1. Waste Generator Name and Address:
NAVAJO REFINING CO.
170 ROAD 4980
POB 159
BLOOMFIELD, NM 87413-0159

2. Permit Number (If waste generated at an OCD permitted facility)

3. Description of Waste and Generating Process:
SOIL CONTAMINATED WITH JP-8 (JET FUEL). GENERATED DURING PRODUCT OFF-LOADING OPERATIONS FROM TANKER TRUCK TO TERMINAL.

4. Location of Waste (Street address &/or ULSTR):
NAVAJO REFINING COMPANY
BLOOMFIELD TERMINAL
170 ROAD 4980
BLOOMFIELD, NM 87413

5. Destination (Surface Waste Management Facility):
TIERRA ENVIRONMENTAL COMPANY, INC.
420 C.R. 3100
AZTEC, NM 87410

6. Transporter: Inland Corp.

7. Estimated Volume _____ cy/bbls
4 cy

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

X MSDS Information

_____ RCRA Hazardous Waste Analysis (With Chain of Custody).

_____ Other (Description)

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

_____ EXEMPT oilfield waste.

X NON-EXEMPT oilfield waste that is non-hazardous pursuant to 40 CFR Part 261. (Attach appropriate documentation)

In addition, Generator certifies that nothing has been added to this exempt or non-exempt non-hazardous waste and that this waste does not contain Naturally Occurring Radioactive Material (NORM) regulated pursuant to 20 NMAC 3.1 Subpart 1403.

Generator Signature: Navajo Refining Co. [signature] Date: 2-03-01

Print Name: Jim G. Townsend

Title: Vice President

TOTAL P.02

NAVAJO REFINING COMPANY
P. O. BOX 159
ARTESIA, NM 88211-0159
(505) 748-3311, (505) 365-8364, (505) 365-8365 (24 Hours)

MATERIAL SAFETY DATA SHEET

EMERGENCY PHONE NUMBERS:

CHEMTREC: 1-800-424-9300 (for fire, spill and emergency response information)
NEW MEXICO POISON INFORMATION CENTER: 1-800-432-6866 (for poisoning)
TEXAS (EL PASO) POISON INFORMATION CENTER: (915) 533-1244 (for poisoning)
ARIZONA POISON INFORMATION CENTER: 1-800-362-0101 or (602) 253-3334 (for poisoning)

JET FUEL, JP-8

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME: JP-8
CHEMICAL FAMILY: Petroleum Hydrocarbon
CAS NUMBER: Mixture
FORMULA: C_9H_{20} to $C_{16}H_{34}$

NFPA 704 SYMBOL

SYNONYMS: Jet Fuel, JP-8, Aviation Turbine Fuel
NATO F-34, Straight run Kerosene, UN 1863

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	CAS NO.	APPROX. VOL%	TLV	STEL	PEL	IDLH
Kerosene	8008-20-6	>90	NA	NA	NA	NA
Napthalene	91-20-3	≤3	10ppm	15ppm	10ppm	250ppm

SECTION 3 - PHYSICAL DATA

BOILING POINT: 350-500°F
VAPOR PRESSURE: @68°F 2 mm Hg
VAPOR DENSITY (AIR=1): 4.5
SOLUBILITY IN WATER: Insoluble
ODOR THRESHOLD: 1.0 ppm
SPECIFIC GRAVITY (WATER=1): 0.8
% VOLATILE BY VOLUME: N/A
EVAPORATION RATE: No data available
AUTOIGNITION TEMP: >400°F
APPEARANCE AND ODOR: Clear to yellow liquid with characteristic hydrocarbon smell.

SECTION 4- FIRE AND EXPLOSION HAZARD DATA

JET FUEL, JP-8

CLASSIFICATION: Class II, Combustible Liquid
FLASH POINT: >100°F (TOC)
FLAMMABLE LIMITS: LEL = 0.7% UEL = 5.0%
EXTINGUISHING MEDIA: Foam, dry chemical, carbon dioxide, Halon
SPECIAL FIRE FIGHTING PROCEDURES: Move container from fire area if possible. Use water to keep fire exposed containers cool. Use foam for spill control.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Evacuate a radius of 1500 feet for uncontrolled fires. Vapors are heavier than air and may travel great distances and flash back.

NFPA FIRE = 2 (moderate)

SECTION 5- REACTIVITY DATA

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID/INCOMPATABILITY: Strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide

NFPA REACTIVITY = 0 (minimal)

SECTION 6- HEALTH HAZARD DATA

ROUTES OF ENTRY: Inhalation, ingestion, skin contact.

HEALTH HAZARDS: Chronic toxicity, possible cancer, irritation to eyes, skin and mucous membranes, pulmonary edema, bronchial pneumonia, asphyxiation, liver and kidney damage, anemia or myocardial damage.

CARCINOGENICITY: Product is not listed by NTP or IARC.

SIGNS AND SYMPTOMS OF EXPOSURE: Irritation of eyes, skin and mucous membranes, dizziness, headaches, respiratory arrest, coughing, irregular heartbeat, mental confusion, vomiting, blurred vision, flushing of face, slurred speech, difficulty in swallowing, weakness, pain in limbs, coma and convulsions. Also, insomnia, toxicity, psychosis, tremors, exaggerated tendon reflexes.

EMERGENCY AND FIRST AID PROCEDURES:

INJESTION: DO NOT induce vomiting. Immediately seek medical attention. Give water to dilute, if conscious.

INHALATION: Move to fresh air. Maintain respirations, assist with artificial respiration if needed and give oxygen if available and trained to do so. Seek medical attention. If irritation persists seek medical attention.

EYES: Flush eyes with water for at least 15 minutes. Seek medical attention.

SKIN: Remove kerosene soaked clothing. Wash skin with soap and water. If irritation persists seek medical attention.

NFPA HEALTH = 0 (minimal)

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

JET FUEL, JP-8

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Eliminate all sources of ignition. Contain spill. Use water fog to suppress vapor cloud. Use SCBA to avoid breathing vapors. Absorb liquid with sand or clay.

WASTE DISPOSAL: Dispose in accordance with RCRA regulations. Do not put in sewers or any water course.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: All equipment and storage container should be properly grounded. This material is subject to OSHA and DOT regulations. Portable metal container should be bonded to the storage container before transferring liquid.

OTHER PRECAUTIONS: Avoid breathing vapors. Extremely flammable. Do not weld on container unless properly cleaned and purged using safe work procedures.

SECTION 8 - ENVIROMENTAL AND SPECIAL PROTECTION INFORMATION

SECTION 8 - ENVIRONMENTAL AND SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Use NIOSH\MSHA approved positive pressure SCBA or Hoseline unit with egress bottle as respiratory protection in areas exceeding exposure limits.

VENTILATION: Use in well ventilated area. Mechanical exhaust should be explosion proof.

EYE/SKIN PROTECTION: Rubber gloves, face shields, goggles or safety glasses with side shields, coveralls.

WORK/HYGIENIC PRACTICES: Remove contaminated clothing as soon as possible. Always wash after handling hazardous chemicals.

NOTICE: This product contains a toxic chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

REFER TO DEPARTMENT OF TRANSPORTATION (DOT) EMERGENCY RESPONSE GUIDEBOOK GUIDE 128 FOR ADDITIONAL EMERGENCY INFORMATION.

This information is believed to be accurate and as reliable as information available to us. We make no warranty or guarantee as to its accuracy and assume no liability from its use. Users should determine the suitability of the information for their particular purposes.

Tony Atkinson
Manager

San Juan County

100 South Oliver Drive
Aztec, New Mexico 87410-2432
Phone: (505) 334-9481 • Fax: (505) 334-3168

May 3, 2001

Tierra Environmental Corp.
P.O. Box 1812
Bloomfield, NM 87413

To Whom It May Concern:

The JP8 fuel spilled at the Navajo Refinery terminal was an environmental hazard and needed to be removed immediately.

If you have any questions please call me at 334-1180.

Sincerely,

Don Cooper
Emergency Manager

5-21-01

Roger

Please Review

Does this letter fulfill the "Department of Public Safety order"

Martyne Kieling

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

Resubmit

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ■ Verbal Approval Received: Yes ■ No ☐	4. Generator **CSI** 5. Originating Site **Bayless G.B.#3**
2. Management Facility Destination **Tierra Landfarm**	6. Transporter **CSI**
3. Address of Facility Operator **420 CR 3100 Aztec NM**	8. State **NM**
7. Location of Material (Street Address or ULSTR)**Sec;2 T;29N R;13W**	

9. Circle One:

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

B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved

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

BRIEF DESCRIPTION OF MATERIAL: **Un used chevron RPM heavy duty motor oil SAE 15-40**

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

SIGNATURE _____ TITLE: **Landfarm Manager** DATE: **5-7-01**
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: **Jon Nobis** TELEPHONE NO. **334-8894**

(This space for State Use)

APPROVED BY: _____ TITLE: Geologist DATE: 5/14/01

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 5/22/01

NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
GOVERNOR

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178 Fax (505)334-61

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
C.S.I 5995 U.S. Hwy 64 Farmington N.M.	Tierra Environmental Company Inc, 420 C.R. 3100 Aztec N.M,
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
Bayless Golden Bear #3 Compressor location	Sec, 2 T. 29 N R 13 W
Attach list of originating sites as appropriate	
4. Source and Description of Waste	
Unused chevron "RPM" Heavy duty motor oil See 15-40	

I, Jeff Geasser (Print Name) representative for:

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

___ EXEMPT oilfield waste

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

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

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

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

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): Jeff Geasser

Title: Maintenance Superintendent

Date: 4-9-01

Fire Hazard-Slight: X
Fire Hazard-Moderate:
Fire Hazard-Severe:
Reactivity Hazard-None: X
Reactivity Hazard-Slight:
Reactivity Hazard-Moderate:
Reactivity Hazard-Severe:
Special Hazard Precautions: DO NOT WELD, HEAT OR DRILL CONTAINER. RESI
DUE
MAY IGNITE WITH EXPLOSIVE VIOLENCE IF HEATED SUFFICIENTLY. IN CASE OF
SPILL: STOP THE SOURCE OF LEAK OR RELEASE. CLEAN UP RELEASE AS SOON AS
POSSIBLE. CONTAIN LIQUID TO PREVENT FURTHER CONTAMINATION. CLEAN UP SM
ALL
SPILLS USING APPROPIATE TECHNIQUES SUCH AS SORBENT MATERIALS OR PUMPIN
G.
FIRST AID: EYES: AS A PRECAUTION FLUSH EYE WITH FRESH WATER FOR 15 MIN
UTES.
SKIN: AS A PRECAUTION, WASH SKIN THOROUGHLY WITH SOAP & WATER. INGESTI
ON:
GIVE WATER OR MILK TO DRINK & TELEPHONE FOR MEDICAL ADVICE. CONSULT ME
DICAL
PERSONNEL BEFORE INDUCING VOMITING. INHALATION: NO FIRST AID PROCEDURE
S
REQUIRED.
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: CHEVRON U S A INC
Label Street: 575 MARKET ST
Label P.O. Box: 7643
Label City: SAN FRANCISCO
Label State: CA
Label Zip Code: 94120
Label Country: US
Label Emergency Number: 800-457-2022/510-233-3737
Year Procured: 1992

=====

Disposal Data

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=====

Disposal Data Action Code:
Disposal Data Focal Point:
Disposal Data Review Date:
Rec # For This Disp Entry:
Tot Disp Entries Per NSN:
Landfill Ban Item:
Disposal Supplemental Data:
1st EPA Haz Wst Code New:
1st EPA Haz Wst Name New:
1st EPA Haz Wst Char New:
1st EPA Acute Hazard New:
2nd EPA Haz Wst Code New:
2nd EPA Haz Wst Name New:
2nd EPA Haz Wst Char New:
2nd EPA Acute Hazard New:
3rd EPA Haz Wst Code New:
3rd EPA Haz Wst Name New:
3rd EPA Haz Wst Char New:
3rd EPA Acute Hazard New:

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=====

Label Data

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Label Required: NO
Technical Review Date: 14JUL93
Label Date:
MFR Label Number: N/R
Label Status: F

Report for NIIN: 013522962

Common Name: CHEVRON RPM HEAVY DUTY MOTOR OIL SAE 30
Chronic Hazard: NO
Signal Word: CAUTION!
Acute Health Hazard-None: X
Acute Health Hazard-Slight:
Acute Health Hazard-Moderate:
Acute Health Hazard-Severe:
Contact Hazard-None: X
Contact Hazard-Slight:
Contact Hazard-Moderate:
Contact Hazard-Severe:
Fire Hazard-None:

RELATIONSHIP BETWEEN SKIN CANCER IN HUMANS AND EXPOSURE TO USED MOTOR OIL.

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Transportation Data

==========

Transportation Action Code:
Transportation Focal Point: D
Trans Data Review Date: 93138
DOT PSN Code: ZZZ
DOT Symbol:
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
DOT Class: N/R
DOT ID Number: N/R
DOT Pack Group:
DOT Label: N/R
DOT/DoD Exemption Number:
IMO PSN Code: ZZZ

Report for NIIN: 013522962

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATIO N
IMO Regulations Page Number: N/R
IMO UN Number: N/R
IMO UN Class: N/R
IMO Subsidiary Risk Label: N/R
IATA PSN Code: ZZZ
IATA UN ID Number: N/R
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATIO N
IATA UN Class: N/R
IATA Subsidiary Risk Class: N/R
IATA Label: N/R
AFI PSN Code: ZZZ
AFI Symbols:
AFI Prop. Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
AFI Class: N/R
AFI ID Number: N/R
AFI Pack Group:
AFI Label: N/R
AFI Special Prov:
AFI Basic Pac Ref:
MMAC Code:
N.O.S. Shipping Name:
Additional Trans Data:

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ADVICE. CONSULT MEDICAL PERSONNEL BEFORE INDUCING VOMITING. INHALATION
: NO
FIRST AID PROCEDURES REQUIRED.
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=====

Precautions for Safe Handling and Use

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=====
Steps If Matl Released/Spill: STOP THE SOURCE OF LEAK OR RELEASE. CLEA
N UP
RELEASE AS SOON AS POSSIBLE. CONTAIN LIQUID TO PREVENT FURTHER
CONTAMINATION. CLEAN UP SMALL SPILLS USING APPROPIATE TECHNIQUES SUCH
AS
SORBENT MATERIALS OR PUMPING.
Neutralizing Agent: NOT APPLICABLE
Waste Disposal Method: CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER. DISPO
SE
OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.
Precautions-Handling/Storing: DO NOT WELD, HEAT OR DRILL CONTAINER.
RESIDUE MAY IGNITE WITH EXPLOSIVE VIOLENCE IF HEATED SUFFICIENTLY.
Other Precautions: CAUTION! DO NOT USE PRESSURE TO EMPTY DRUM OR DRUM
MAY
RUPTURE WITH EXPLOSIVE FORCE. AVOID EYE AND SKIN CONTACT. DO NOT BREAT
HE
VAPORS.
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Control Measures

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=====
Respiratory Protection: NO SPECIAL RESPIRATORY PROTECTION IS NORMALLY
REQUIRED. HOWEVER, IF OPERATING CONDITIONS CREATE HIGH AIRBORNE
CONCENTRATIONS, THE USE OF AN APPROVED RESPIRATOR IS RECOMMENDED.
Ventilation: USE ADEQUATE VENTILATION TO KEEP THE AIRBORNE CONCENTRATI
ONS
OF THIS MATERIAL BELOW THE RECOMMENDED EXPOSURE STANDARD.
Protective Gloves: NO SPECIAL PROTECTION IS USUALLY NEEDED.
Eye Protection: NO SPECIAL PROTECTION IS USUALLY NEEDED.
Other Protective Equipment: SKIN CONTCAT CAN BE MINIMIZED BY WEARING
PROTECTIVE CLOTHING. EYE BATH AND SAFETY SHOWER.
Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING AND BEFORE EAT
ING.
LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.
Suppl. Safety & Health Data: USED MOTOR OILS HAVE BEEN SHOWN TO CAUSE
SKIN
CANCER WHEN REPEATEDLY APPLIED TO MOUSE SKIN WITHOUT ANY EFFORT TO REM
OVE
THE MATERIAL BETWEEN APPLICATIONS. THERE IS NO EVIDENCE OF A CAUSAL

INCLUDING SELF-CONTAINED BREATHING APPARATUS
Unusual Fire And Expl Hazrds: NORMAL COMBUSTION FORMS CARBON DIOXIDE, WATER VAPOR & MAY PRODUCE OXIDES OF SULFUR, NITROGEN & PHOSPHOROUS. INCOMPLETE COMBUSTION CAN PRODUCE CARBON MONOXIDE.

Reactivity Data

Stability: YES
Cond To Avoid (Stability): NO DATA AVAILABLE.
Materials To Avoid: MAY REACT WITH STRONG OXIDIZING AGENTS, SUCH AS CHLORATES, NITRATES, PEROXIDES, ETC.
Hazardous Decomp Products: NDA.
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT APPLICABLE

Health Hazard Data

LD50-LC50 Mixture: LD50 ORAL RAT IS > 5000 MG/KG
Route Of Entry - Inhalation: NO
Route Of Entry - Skin: NO
Route Of Entry - Ingestion: NO
Health Haz Acute And Chronic: EYE & SKIN: THIS SUBSTANCE IS NOT EXPECTED TO CAUSE PROLONGED OR SIGNIFICANT EYE OR SKIN IRRITATION. INGESTION & INHALATION: THE SYSTEMIC TOXICITY OF THIS SUBSTANCE HAS NOT BEEN DETERMINED. HOWEVER, IT SHOULD BE PRACTICALLY NON-TOXIC TO INTERNAL ORGANS IF SWALLOWED OR INHALED.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NONE OF THE INGREDIENTS IN THIS PRODUCT IS LISTED BY NTP, IARC OR OSHA AS A CARCINOGEN.
Signs/Symptoms Of Overexp: NONE SPECIFIED BY MANUFACTURER.
Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.

Report for NIIN: 013522962

Emergency/First Aid Proc: EYES: AS A PRECAUTION FLUSH EYE WITH FRESH WATER FOR 15 MINUTES. SKIN: AS A PRECAUTION, WASH SKIN THOROUGHLY WITH SOAP & WATER. INGESTION: GIVE WATER OR MILK TO DRINK & TELEPHONE FOR MEDICAL

CL-14-ALKYL ESTERS, ZINC SALT)
Ingredient Sequence Number: 03
Percent: <1.5
Ingredient Action Code:
Ingredient Focal Point: D
NIOSH (RTECS) Number: 1001740ZA
CAS Number: 68649-42-3
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE SPECIFIED

Physical/Chemical Characteristics

Appearance And Odor: DARK AMBER LIQUID.
Boiling Point: NDA
Melting Point: NDA
Vapor Pressure (MM Hg/70 F): NA
Vapor Density (Air=1): NA
Specific Gravity: 0.89
Decomposition Temperature: UNKNOWN

Report for NIIN: 013522962

Evaporation Rate And Ref: NA
Solubility In Water: INSOLUBLE IN WATER.
Percent Volatiles By Volume: NA
Viscosity: 13.9CST @212F
pH: NDA
Radioactivity:
Form (Radioactive Matl):
Magnetism (Milligauss): N/P
Corrosion Rate (IPY): NA
Autoignition Temperature:

Fire and Explosion Hazard Data

Flash Point: 419F,215C
Flash Point Method: COC
Lower Explosive Limit: NA
Upper Explosive Limit: NA
Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL, FOAM, WATER FOG.
Special Fire Fighting Proc: FOR FIRES INVOLVING MATERIAL, DO NOT ENTER ANY
ENCLOSED OR CONFINED FIRE SPACE WITHOUT PROPER PROTECTIVE EQUIPMENT,

Other MSDS Number:
MSDS Serial Number: BNCPG
Specification Number: A-A-52306
Spec Type, Grade, Class: 15W-40 GRADE
Hazard Characteristic Code: N1
Unit Of Issue: CO
Unit Of Issue Container Qty: 5 GALLONS
Type Of Container: CONTAINER
Net Unit Weight: 37.1 LBS

Report for NIIN: 013522962

NRC/State License Number: N/R
Net Explosive Weight:
Net Propellant Weight-Ammo: N/R
Coast Guard Ammunition Code:

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Ingredients/Identity Information

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Proprietary: NO
Ingredient: DISTILLATES, HYDROTREATED HEAVY PARAFFINIC
Ingredient Sequence Number: 01
Percent: >75
Ingredient Action Code:
Ingredient Focal Point: D
NIOSH (RTECS) Number: PY8035500
CAS Number: 64742-54-7
OSHA PEL: 5 MG/M3 (OIL MIST)
ACGIH TLV: 5 MG/M3 (OIL MIST)
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: PETROLEUM DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC
Ingredient Sequence Number: 02
Percent: <25
Ingredient Action Code:
Ingredient Focal Point: D
NIOSH (RTECS) Number: PY8038500
CAS Number: 64742-65-0
OSHA PEL: 5 MG/M3 (OIL MIST)
ACGIH TLV: 5 MG/M3 (OIL MIST)
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: ZINC ALKYL DITHIOPHOSPHATE, (PHOSPHORODITHIOIC ACID,O,O-DI
-

173262
DOD Hazardous Materials Information System

DoD 6050.5-L

AS OF July 1998

FSC: 9150
NIIN: 013522962
Manufacturer's CAGE: 81230
Part No. Indicator: A
Part Number/Trade Name: CHEVRON RPM HEAVY DUTY MOTOR OIL SAE 15W-40

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General Information

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Item Name: LUBRICATING OIL, ENGINE
Company's Name: CHEVRON U S A INC
Company's Street: 575 MARKET ST
Company's P. O. Box: 7643
Company's City: SAN FRANCISCO
Company's State: CA
Company's Country: US
Company's Zip Code: 94120
Company's Emerg Ph #: 800-457-2022/510-233-3737
Company's Info Ph #: 800-582-3835
Distributor/Vendor # 1:
Distributor/Vendor # 1 Cage:
Distributor/Vendor # 2:
Distributor/Vendor # 2 Cage:
Distributor/Vendor # 3:
Distributor/Vendor # 3 Cage:
Distributor/Vendor # 4:
Distributor/Vendor # 4 Cage:
Safety Data Action Code:
Safety Focal Point: D
Record No. For Safety Entry: 013
Tot Safety Entries This Stk#: 014
Status: SE
Date MSDS Prepared: 20MAR93
Safety Data Review Date: 14JUL93
Supply Item Manager: CX
MSDS Preparer's Name:
Preparer's Company:
Preparer's St Or P. O. Box:
Preparer's City:
Preparer's State:
Preparer's Zip Code:

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 0093

1. RCRA Exempt: ☐ Non-Exempt: ■ Verbal Approval Received: Yes ■ No ☐	4. Generator **CSI** 5. Originating Site **Storage Yard**
2. Management Facility Destination **Tierra Landfarm**	6. Transporter **L & L Trucking**
3. Address of Facility Operator **420 CR 3100 Aztec NM 87410**	8. State **NM**
7. Location of Material (Street Address or ULSTR) **11 CR 5911 Farmington NM 87401**	

9. Circle One:

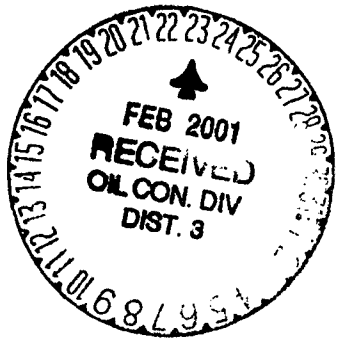
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.

B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved

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

BRIEF DESCRIPTION OF MATERIAL:

Dirt & Gravel mixed with New Chevron HDAX NG Screw Compressor Oil



Estimated Volume **5-10 yards** cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE _____ TITLE: **Environmental Specialist** DATE:: **2/15/01**
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: **Jeremy J. Bath** TELEPHONE NO. **334-8894**

(This space for State Use)

APPROVED BY: _____ TITLE: Geologist DATE: 2/23/01

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 2/28/01

NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178 Fax (505)334-6170

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: COMPRESSOR SYSTEMS INC PO BOX 2144 FARMINGTON, NM 87401	2. Destination Name: [illegible] ENVIRONMENTAL
3. Originating Site (name): STORAGE YARD #11 CR 5911 FARMINGTON NM 87401 Attach list of originating sites as appropriate	Location of the Waste (street address &/or ULSTR):
4. Source and Description of Waste LEAKING CONTAINERS CHEVRON HDAX NG SCREW COMPRESSOR OIL (New)	

FEB 2001
RECEIVED
OIL CON. DIV.
DIST. 3

I, JAMES SMITH (Print Name) representative for:

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

___ EXEMPT oilfield waste

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

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

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

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

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): [signature]

Title: Western Regional Safety Manager

Date: 2/15/2001

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

RECEIVED
MAY 0 2 2001
Environmental Bureau
Oil Conservation Division

Form C-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 0119

1. RCRA Exempt: ☐ Non-Exempt: ■ Verbal Approval Received: Yes ☐ No ■	4. Generator **CSI** 5. Originating Site **NEBU 401**
2. Management Facility Destination **Tierra Landfarm**	6. Transporter **CSI**
3. Address of Facility Operator **420 CR 3100 Aztec, NM 87410**	8. State **NM**
7. Location of Material (Street Address or ULSTR) **Sec. 9 T30N R7W**	

9. Circle One:

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

(B) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved

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

BRIEF DESCRIPTION OF MATERIAL:

New compressor oil (HDAX NG Screw Oil) mixed with dirt

APR 2001
RECEIVED
OIL CON. DIV
DIST. 3

Estimated Volume **15** cy Known Volume (to be entered by the operator at the end of the haul) **15** cy

SIGNATURE _____ TITLE: **Environmental Specialist** DATE: **4/19/01**
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: **Jeremy J. Bath** TELEPHONE NO. **334-8894**

(This space for State Use)

APPROVED BY: _____ TITLE: Geologist DATE: 4/26/01

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 5/3/01

NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
GOVERNOR

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178 Fax (505)334-61

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
CST	Tierra
3. Originating Site (name): NEBU 401 Attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): 1540 FSL - 915 FWL Sec. 09 - T30N - R7W SF 079043
4. Source and Description of Waste: Screw oil NG 150 Synthetic	

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

__ **EXEMPT** oilfield waste

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

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

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

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

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): Greg Cresswell

Title: Field Tech

Date: 4-19-01

TIERRA 334-8894 John or Dave

Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEVRON HDAX NG Screw Compressor Oil

PRODUCT NUMBER(S): CPS255204 CPS255205
SYNONYM: CHEVRON HDAX NG Screw Compressor Oil ISO 150
CHEVRON HDAX NG Screw Compressor Oil ISO 68

COMPANY IDENTIFICATION

Chevron Products Company
Global Lubricants
555 Market St.
Room 803
San Francisco, CA 94105-2870

EMERGENCY TELEPHONE NUMBERS

HEALTH (24 hr): (800)231-0623 or
(510)231-0623 (International)
TRANSPORTATION (24 hr): CHEMTREC
(800)424-9300 or (703)527-3887
Int'l collect calls accepted

PRODUCT INFORMATION: MSDS Requests: (800) 228-3500
Environmental, Safety, & Health Info: (415) 894-0703
Product Information: (800) 582-3835

2. COMPOSITION/INFORMATION ON INGREDIENTS

100.0 % CHEVRON HDAX NG Screw Compressor Oil

CONTAINING

COMPONENTS	AMOUNT	LIMIT/QTY	AGENCY/TYPE
HYDROTREATED DIST., HVY PARA			
Chemical Name: DISTILLATES, HYDROTREATED HEAVY PARAFFINIC			
CAS64742547	> 80.00%	5 mg/m3 (mist)	ACGIH TWA
		10 mg/m3 (mist)	ACGIH STEL
		5 mg/m3 (mist)	OSHA PEL
ADDITIVES	< 20.00%		

COMPOSITION COMMENT:
All the components of this material are on the Toxic Substances Control

Act Chemical Substances Inventory.

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

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS
EYE:
Not expected to cause prolonged or significant eye irritation.
SKIN:
Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin.
INGESTION:
Not expected to be harmful if swallowed.
INHALATION:
Contains a petroleum-based mineral oil that may cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of airborne levels above the recommended exposure limit.

4. FIRST AID MEASURES

EYE:
No specific first aid measures are required because this material is not expected to cause eye irritation. As a precaution remove contact lenses, if worn, and flush eyes with water.
SKIN:
No specific first aid measures are required because this material is not expected to be harmful if it contacts the skin. As a precaution, remove clothing and shoes if contaminated. Use a waterless hand cleaner, mineral oil, or petroleum jelly to remove the material. Then wash skin with soap and water. Wash or clean contaminated clothing and shoes before reuse.
INGESTION:
No specific first aid measures are required because this material is not expected to be harmful if swallowed. Do not induce vomiting. As a precaution, give the person a glass of water or milk to drink and get medical advice. Never give anything by mouth to an unconscious person.
INHALATION:
If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

5. FIRE FIGHTING MEASURES

FIRE CLASSIFICATION:
Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or

combustible.
FLAMMABLE PROPERTIES:
FLASH POINT: (COC) 419-446F (215-230C) Min.
AUTOIGNITION: NDA
FLAMMABILITY LIMITS (% by volume in air): Lower: NA Upper: NA
EXTINGUISHING MEDIA:
CO2, Dry Chemical, Foam, Water Fog
NFPA RATINGS: Health 1; Flammability 1; Reactivity 0.
FIRE FIGHTING INSTRUCTIONS:
This material will burn although it is not easily ignited.
COMBUSTION PRODUCTS:
Normal combustion forms carbon dioxide and water vapor and may produce oxides of nitrogen and phosphorus. Incomplete combustion can produce carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

CHEMTREC EMERGENCY NUMBER (24 hr): (800)424-9300 or (703)527-3887
International Collect Calls Accepted
ACCIDENTAL RELEASE MEASURES:
Stop the source of the leak or release. Clean up releases as soon as possible. Contain liquid to prevent further contamination of soil, surface water or groundwater. Clean up small spills using appropriate techniques such as sorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.

7. HANDLING AND STORAGE

Do not use pressure to empty drum or drum may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner, or properly disposed of. Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS
Use in a well-ventilated area. If user operations generate an oil mist, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below the recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT
EYE/FACE PROTECTION:
No special eye protection is normally required. Where splashing is

possible, wear safety glasses with side shields as a good safety practice.

SKIN PROTECTION:

No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances. Suggested materials for protective gloves include: <Viton> <Nitrile> <Silver Shield> <4H>

RESPIRATORY PROTECTION:

No special respiratory protection is normally required. If user operations generate an oil mist, determine if airborne concentrations are below the recommended exposure limits. If not, select a NIOSH/MSHA approved respirator that provides adequate protection from concentrations of this material. Use the following elements for air-purifying respirators: particulate.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION:
Liquid.

pH:	NDA
VAPOR PRESSURE:	NA
VAPOR DENSITY (AIR=1):	NA
BOILING POINT:	NDA
FREEZING POINT:	NDA
MELTING POINT:	NA
SOLUBILITY:	Soluble in hydrocarbon solvents; insoluble in water.
SPECIFIC GRAVITY:	NDA
DENSITY:	NDA
EVAPORATION RATE:	NA
VISCOSITY:	61.2 - 135 cSt @ 40C (Min.)
PERCENT VOLATILE (VOL):	NA

10. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS:

No data available.

CHEMICAL STABILITY:

Stable.

CONDITIONS TO AVOID:

No data available.

INCOMPATIBILITY WITH OTHER MATERIALS:

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

HAZARDOUS POLYMERIZATION:

Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS:
The eye irritation hazard is based on data for a similar material.
SKIN EFFECTS:
The skin irritation hazard is based on data for a similar material.
ACUTE ORAL EFFECTS:
The acute oral toxicity is based on data for a similar material.
ACUTE INHALATION EFFECTS:
The acute respiratory toxicity is based on data for a similar material.
ADDITIONAL TOXICOLOGY INFORMATION:
This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

12. ECOLOGICAL INFORMATION

ECOTOXICITY:
This material is not expected to be harmful to aquatic organisms.
ENVIRONMENTAL FATE:
This material is not expected to be readily biodegradable.

13. DISPOSAL CONSIDERATIONS

Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

14. TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT SHIPPING NAME: NOT DESIGNATED AS A HAZARDOUS MATERIAL BY THE FEDERAL DOT
DOT HAZARD CLASS: NOT APPLICABLE
DOT IDENTIFICATION NUMBER: NOT APPLICABLE
DOT PACKING GROUP: NOT APPLICABLE

15. REGULATORY INFORMATION

SARA 311 CATEGORIES:

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

REGULATORY LISTS SEARCHED:

01=SARA 313	11=NJ RTK	22=TSCA Sect 5(a)(2)
02=MASS RTK	12=CERCLA 302.4	23=TSCA Sect 6
03=NTP Carcinogen	13=MN RTK	24=TSCA Sect 12(b)
04=CA Prop 65-Carcin	14=ACGIH TWA	25=TSCA Sect 8(a)
05=CA Prop 65-Repro Tox	15=ACGIH STEL	26=TSCA Sect 8(d)
06=IARC Group 1	16=ACGIH Calc TLV	27=TSCA Sect 4(a)
07=IARC Group 2A	17=OSHA PEL	28=Canadian WHMIS
08=IARC Group 2B	18=DOT Marine Pollutant	29=OSHA CEILING
09=SARA 302/304	19=Chevron TWA	30=Chevron STEL
10=PA RTK	20=EPA Carcinogen	

The following components of this material are found on the regulatory lists indicated.

DISTILLATES, HYDROTREATED HEAVY PARAFFINIC
is found on lists: 14,15,17,

EU RISK AND SAFETY STATEMENTS:
May cause long-term adverse effects in the aquatic environment.
NEW JERSEY RTK CLASSIFICATION:
Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows:
PETROLEUM OIL
WHMIS CLASSIFICATION:
This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

16. OTHER INFORMATION

NFPA RATINGS: Health 1; Flammability 1; Reactivity 0;
HMIS RATINGS: Health 1; Flammability 1; Reactivity 0;
(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

REVISION STATEMENT:
This is a new Material Safety Data Sheet

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	TPQ - Threshold Planning Quantity
RQ - Reportable Quantity	PEL - Permissible Exposure Limit
C - Ceiling Limit	CAS - Chemical Abstract Service Number
A1-5 - Appendix A Categories	() - Change Has Been Proposed
NDA - No Data Available	NA - Not Applicable

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Toxicology and Health Risk Assessment Unit, CRTC, P.O. Box 4054, Richmond, CA 94804

****

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

****

THIS IS THE LAST PAGE OF THIS MSDS

****

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☒ No ☐	4. Generator Claude L Coberly Key Energy 5. Originating Site Sims Mesa yard
2. Management Facility Destination Land farm Tierra Environmental	6. Transporter
3. Address of Facility Operator 420 CR 3100 Aztec NM 87410	8. State NM
7. Location of Material (Street Address or ULSTR) Sims Mesa yard Rosa Road + Nm 527 Rio Arriba Cen. NM	

9. Circle One:

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

B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved

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

BRIEF DESCRIPTION OF MATERIAL:

Diesel fuel mixed with dirt

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

SIGNATURE _____ TITLE: Land Farm Manager DATE: 01,12,001
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Jon G. Nobis TELEPHONE NO. 334-8894

(This space for State Use)

APPROVED BY: Denny Foust TITLE: Geologist DATE: 2/16/01

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 2/21/01

District I - (505) 393-6161
1625 N. French Dr
Hobbs, NM 88240
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131
2040 S. Pacheco
Santa Fe, NM 87505

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

Form C-143
3/15/00

Submit to OCD
Permitted Surface
Waste Management
Facility

GENERATOR CERTIFICATE OF WASTE STATUS

1. Waste Generator Name and Address:
Key Energy Services
6451 U.S. 64
Farmington, N.M.

2. Permit Number (if waste generated at an OCD permitted facility)

3. Description of Waste and Generating Process:
Diesel Fuel and dirt

4. Location of Waste (Street address &/or ULSTR):
Sims Mesa Yard
Rosa Road + N.M. 527
Rio Arriba Co., N.M.

5. Destination (Surface Waste Management Facility):

6. Transporter:
Key

7. Estimated Volume 100 cy/bbls

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

X MSDS Information

_____ RCRA Hazardous Waste Analysis (With Chain of Custody).

_____ Other (Description)

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

_____ **EXEMPT** oilfield waste.

X **NON-EXEMPT** oilfield waste that is non-hazardous pursuant to 40 CFR Part 261. (Attach appropriate documentation)

In addition, Generator certifies that nothing has been added to this exempt or non-exempt non-hazardous waste and that this waste does not contain Naturally Occurring Radioactive Material (NORM) regulated pursuant to 20 NMAC 3.1 Subpart 1403.

Generator Signature: Claude L. Cobenly Date: 1/12/01

Print Name: Claude L. Cobenly

Title: _____

NAVAJO REFINING COMPANY
P. O. BOX 159
ARTESIA, NM 88211-0159
(505) 748-3311, (505) 365-8364, (505) 365-8365 (24 Hours)

MATERIAL SAFETY DATA SHEET

EMERGENCY PHONE NUMBERS:

CHEMTREC: 1-800-424-9300 (for fire, spill and emergency response information)
NEW MEXICO POISON INFORMATION CENTER: 1-800-432-6866 (for poisoning)
TEXAS (EL PASO) POISON INFORMATION CENTER: (915) 533-1244 (for poisoning)
ARIZONA POISON INFORMATION CENTER: 1-800-362-0101 or (602) 253-3334 (for poisoning)

LOW SULFUR DIESEL FUEL

[redacted]

PRODUCT NAME: DIESEL FUEL CAS NUMBER: 68476-34-6
CHEMICAL FAMILY: Petroleum Hydrocarbon FORMULA: $C_{10}H_{22}$-$C_{15}H_{34}$

SYNONYMS: Diesel Fuel #2, Petroleum Distrillate, Diesel, #2 Fuel Oil NA 1993, Highway Diesel, Off Road Diesel (if dyed red).

NFPA 704 SYMBOL

[redacted]

HAZARDOUS COMPONENTS	CAS NO.	APPROX. VOL%	TLV	STEL	PEL (OSHA)	IDLH
DIESEL FUEL (containing)	68476-34-6	99	NA	NA	NA	NA
Naphalene	91-20-3	1	10 ppm	NA	10 ppm	250

OTHER INGREDIENT INFORMATION:
Sulfur in the form of mercaptans or hydrogen sulfide may be present greater than 0.05% by weight.

[redacted]

BOILING POINT: -315-575°F
VAPOR PRESSURE: @100°F 25mm Hg
VAPOR DENSITY (AIR=1): N/A
SOLUBILITY IN WATER: Insoluble
ODOR THRESHOLD: N/A
SPECIFIC GRAVITY (WATER=1): 0.7-0.8
% VOLATILE BY VOLUME: N/A
EVAPORATION RATE: No data available
AUTOIGNITION TEMP: 490-546°F
APPEARANCE AND ODOR: Clear to yellow liquid. Oily, petroleum odor. May be dyed red in off road usage (agricultural, mining, etc.).

CLASSIFICATION: CLASS II, COMBUSTIBLE LIQUID
FLASH POINT: 140° (PMCC)
FLAMMABLE LIMITS: LEL = 0.7% UEL = 5.0%
EXTINGUISHING MEDIA: Foam dry chemical, carbon dioxide, Halon.
SPECIAL FIRE FIGHTING PROCEDURES: Move container from fire area if possible. Use water to keep fire exposed container cool. Use foam for spill control.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Evacuate a radius of 800 feet for uncontrolled fires. Vapors are heavier than air and may travel great distances and flash back.

NFPA FIRE = 2 (moderate)

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID/INCOMPATABILITY: Strong oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide and sulfur dioxide..

NFPA REACTIVITY = 0 (minimal)

ROUTES OF ENTRY: Inhalation, ingestion, skin contact.

HEALTH HAZARDS: Irritant\Narcotic. Depression of central nervous system ranging from headaches to death. Kidney and liver damage possible. Aspiration into lungs can cause severe lung damage leading to pulmonary edema and bronchial pneumonia.

CARCINOGENICITY: Inadequate evidence as a human carcinogen. Limited evidence as an animal carcinogen. Not listed by NTP. IARC Class-2B. Recent studies have shown diesel exhaust to be potentially carcinogenic.

SIGNS AND SYMPTOMS OF EXPOSURE: Respiratory tract irritation. May cause nausea, cramping, headaches, coughing or gagging and depression of the central nervous system.

EMERGENCY AND FIRST AID PROCEDURES

INGESTION: DO NOT induce vomiting. Immediately seek medical attention. Give water to dilute, if conscious.

INHALATION: Maintain respirations, assist with artificial respiration if needed and give oxygen if available and trained to do so. Seek medical attention. If liquid is in lungs (aspirated) seek medical care.

EYES: Flush eyes with water for at least 15 minutes. Seek medical attention.

SKIN: Remove diesel soaked clothing. Wash skin with soap and water. If irritation Persists seek medical attention.

NFPA HEALTH = 0 (minimal)

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Eliminate all sources of ignition. Contain spill. Use water fog to suppress vapor cloud. Use SCBA to avoid breathing vapors. Absorb liquid with sand or clay.

WASTE DISPOSAL: Dispose in accordance with RCRA regulations. Do not put in sewers or any water course.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: All equipment and storage containers should be properly grounded. This material is subject to OSHA and DOT regulation. Portable metal containers should be bonded to the storage container before transferring liquid.

OTHER PRECAUTIONS: Avoid breathing vapors. Vapors may be explosive. Do not weld on containers unless properly cleaned and purged using safe work procedures. Trace amounts of hydrogen sulfide may be present in the product. Accumulation of hydrogen sulfide may occur in vapor spaces of confined spaces where this product is handled, stored or used.

RESPIRATORY PROTECTION: Use NIOSH\MSHA approved respiratory protection in areas exceeding exposure limits, the type to be determined by the degree of exposure.

VENTILATION: Use in well ventilated area or provide ventilation to limit exposure to acceptable levels.

EYE/SKIN PROTECTION: Rubber gloves, face shields, goggles or safety glasses with side shields, coveralls.

WORK/HYGIENIC PRACTICES: Remove contaminated clothing as soon as possible. Always wash after handling hazardous chemicals.

NOTICE: This product contains a toxic chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

REFER TO DEPARTMENT OF TRANSPORTATION (DOT) EMERGENCY RESPONSE GUIDEBOOK GUIDE 128 FOR ADDITIONAL EMERGENCY INFORMATION.

This information is believed to be accurate and as reliable as information available to us. We make no warranty or guarantee as to its accuracy and assume no liability from its use. Users should determine the suitability of the information for their particular purposes.

NAVAJO REFINING COMPANY
P. O. BOX 159
ARTESIA, NM 88211-0159
(505) 748-3311, (505) 365-8364, (505) 365-8365 (24 Hours)

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ARIZONA POISON INFORMATION CENTER: 1-800-362-0101 or (602) 253-3334 (for poisoning)

#1 DIESEL

PRODUCT NAME: #1 DIESEL
CHEMICAL FAMILY: Petroleum Hydrocarbon

CAS NUMBER: Mixture
FORMULA: C_9H_{20} to $C_{16}H_{34}$

SYNONYMS: Jet Fuel, JP-8, Aviation Turbine Fuel
NATO F-34, Straight run Kerosene, UN 1863

NFPA 704 SYMBOL

HAZARDOUS COMPONENTS	CAS NO.	APPROX. VOL%	TLV	STEL	PEL	IDLH
Kerosene	8008-20-6	>90	NA	NA	NA	NA
Napthalene	91-20-3	≤3	10ppm	15ppm	10ppm	250ppm

BOILING POINT: 350-500°F
VAPOR PRESSURE: 068°F 2 mm Hg
VAPOR DENSITY (AIR=1): 4.5
SOLUBILITY IN WATER: Insoluble
ODOR THRESHOLD: 1.0 ppm
SPECIFIC GRAVITY (WATER=1): 0.8
% VOLATILE BY VOLUME: N/A
EVAPORATION RATE: No data available
AUTOIGNITION TEMP: >400°F
APPEARANCE AND ODOR: Clear to yellow liquid with characteristic hydrocarbon smell.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Eliminate all sources of ignition. Contain spill. Use water fog to suppress vapor cloud. Use SCBA to avoid breathing vapors. Absorb liquid with sand or clay.

WASTE DISPOSAL: Dispose in accordance with RCRA regulations. Do not put in sewers or any water course.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: All equipment and storage container should be properly grounded. This material is subject to OSHA and DOT regulations. Portable metal container should be bonded to the storage container before transferring liquid.

OTHER PRECAUTIONS: Avoid breathing vapors. Extremely flammable. Do not weld on container unless properly cleaned and purged using safe work procedures.

RESPIRATORY PROTECTION: Use NIOSH\MSHA approved positive pressure SCBA or Hoseline unit with egress bottle as respiratory protection in areas exceeding exposure limits.

VENTILATION: Use in well ventilated area. Mechanical exhaust should be explosion proof.

EYE/SKIN PROTECTION: Rubber gloves, face shields, goggles or safety glasses with side shields, coveralls.

WORK/HYGIENIC PRACTICES: Remove contaminated clothing as soon as possible. Always wash after handling hazardous chemicals.

NOTICE: This product contains a toxic chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

REFER TO DEPARTMENT OF TRANSPORTATION (DOT) EMERGENCY RESPONSE GUIDEBOOK GUIDE 128 FOR ADDITIONAL EMERGENCY INFORMATION.

This information is believed to be accurate and as reliable as information available to us. We make no warranty or guarantee as to its accuracy and assume no liability from its use. Users should determine the suitability of the information for their particular purposes.

Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Trade name	**Diesel #2 Oil**
Supplier	Fina Oil and Chemical Co P.O. Box 2159 Dallas, TX 75221
Synonym	Fuel Oil # 2, Furnace Oil #2
MSDS Name	Diesel Oil #2
Chemical Family	Hydrocarbon Mixture
CAS Registry Number	68476-34-6
Threshold Limit Value	TWA: 100 (mg/m³) from NIOSH
Manufacturer	Fina Oil and Chemical Co P.O. Box 849 Port Arthur, TX 77641-0849

Code	000456
MSDS#	P33
Validation Date	3/25/99
Print Date	9/13/99
Responsible for Preparation	Larry Myers

In Case of Emergency	Chemtrec: (800) 424-9300 FINA: (800) 322-FINA
Technical Information	Port Arthur: (409) 962-4421

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits
1) Diesel Oil #2	68476-34-6	100	TWA: 100 (mg/m³) from NIOSH

Section 3. Hazards Identification

Physical State and Appearance
Liquid.

Emergency Overview
COMBUSTIBLE LIQUID AND VAPOR.
Vapor may cause fire.
MAY CAUSE NERVOUS SYSTEM, GASTROINTESTINAL TRACT, RESPIRATORY TRACT, SKIN, EYES DAMAGE.
MAY CAUSE EYE IRRITATION.
Causes severe skin irritation.

Routes of Entry
Dermal contact. Eye contact. Inhalation. Ingestion.

Potential Acute Health Effects

Eyes Hazardous in case of eye contact (irritant).

Skin Sensitization of the product: Not available.
Very hazardous in case of skin contact (irritant). Non-corrosive for skin. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Inhalation Intoxication, dizziness, drowsiness, headache and nausea, weakness and fatigue. Burning sensation in chest, possible asphyxiation and unconsciousness.

Ingestion Local irritation, burning sensation in mouth, esophagus, and stomach. Vomiting, belching, and diarrhea with blood-tinged feces. Drowsiness. The greatest hazard of ingestion is accidental PULMONARY ASPIRATION, which can cause potentially fatal CHEMICAL PNEUMONITIS and NONCARDIOGENIC PULMONARY EDEMA.

Potential Chronic Health Effects
Signs and symptoms of chronic exposure are similar to those of acute exposure. Skin: dermatitis.
CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC. Lifetime skin painting studies conducted by the American Petroleum Institute and others have shown that similar products boiling between 175-370 C (350-700 F) usually produce skin tumors and/or cancer in mice. The degree of carcinogenic response was weak to moderate with a relatively long latent period. The implications of these results for humans have not been determined.
MUTAGENIC EFFECTS: Not available. **TERATOGENIC EFFECTS:** Not available.

Medical Conditions Aggravated by Overexposure
Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Overexposure /Signs/Symptoms
Not available.

See Toxicological Information (section 11)

Continued on Next Page

Section 4: First Aid Measures

Eye Contact	Check for and remove any contact lenses. Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. DO NOT use an eye ointment. Seek medical attention.
Skin Contact	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
Inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Ingestion	DO NOT induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
Notes to Physician	May administer activated charcoal or gastric lavage. Emesis may result in chemical pneumonitis (#2 Diesel). Consider chest x-ray after acute overexposure and perform kidney function tests if symptoms develop or overexposure is suspected (kerosene).

Section 5: Fire Fighting Measures

Flammability of the Product	Combustible.
Auto-ignition Temperature	>204°C (399.2°F)
Flash Points	CLOSED CUP: 54.4°C (130°F). (Pensky-Martens.).
Flammable Limits	LOWER: 0.4% UPPER: 6%
Products of Combustion	carbon oxides (CO, CO2) sulfur oxides (SO2, SO3...)
Fire Hazards in Presence of Various Substances	Flammable in presence of open flames and sparks, of heat.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of static discharge: Expected. Risks of explosion of the product in presence of mechanical impact: Not expected. No specific information is available in our database regarding the product's risks of explosion in the presence of various materials.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder, CO_2, and halon. LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet.
Protective Clothing (Fire)	Wear MSHA/NIOSH approved self-contained breathing apparatus or equivalent and full protective gear (Bunker gear).
Special Remarks on Fire Hazards	Combustible. Avoid inhalation of vapors. May generate dense smoke while burning.
Special Remarks on Explosion Hazards	May form explosive mixtures with air. Container may explode in fire. Flashback along vapor trail may occur. May explode if ignited in an enclosed area.

Section 6: Accidental Release Measures

Small Spill and Leak	Warn personnel to move away. Eliminate ignition sources and ventilate area. Absorb with an inert material and place in an appropriate waste disposal container.
Large Spill and Leak	Combustible material. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Handling	Do not breathe gas, fumes, vapor or spray. Keep away from incompatibles such as oxidizing agents. Keep away from sources of ignition.
Storage	Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from sources of ignition. Keep away from incompatibles as oxidizers.

Section 8: Exposure Controls/Personal Protection

Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Personal Protection	
Eyes	Safety glasses. Splash goggles.
Body	Flame retardant clothing covering the entire body.
Respiratory	Use a MSHA/NIOSH approved respirator or equivalent at high concentrations.

Continued on Next Page

Hands Chemical resistant gloves if contact is possible.

Feet Not applicable.

Protective Clothing (Pictograms)

Personal Protection in Case of a Large Spill Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Product Name	Exposure Limits
1) Diesel Oil #2	TWA: 100 (mg/m³) from NIOSH

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.
Molecular Weight	Not applicable.
Molecular Formula	Not applicable.
pH (1% Soln/Water)	Not applicable.
Boiling/Condensation Point	160 to 354.4°C (320 to 670°F)
Melting/Freezing Point	Not available.
Critical Temperature	Not available.
Specific Gravity	0.87 (Water = 1)
Vapor Pressure	1.6 mm of Hg (@ 20°C)
Vapor Density	8 (Air = 1)
Volatility	100% (v/v).
Odor Threshold	Not available.
Evaporation Rate	600 X slower compared to Ethylether
VOC	100 (%)
Viscosity	Not available.
$LogK_{ow}$	Not available.
Ionicity (In Water)	Not available.
Dispersion Properties	Not available.
Solubility in Water	Negligible.
Physical Chemical Comments	No additional remark.

Odor	Kerosine-like
Taste	Not available.
Color	Straw color.

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Conditions of Instability	No additional remark.
Incompatibility with Various Substances	Extremely reactive or incompatible with strong oxidizing agents.
Hazardous Decomposition Products	carbon monoxide & carbon dioxide
Hazardous Polymerization	No.

Continued on Next Page

Section 11. Toxicological Information

Toxicity to Animals	Acute oral toxicity (LD50): 7500 mg/kg [Rat]. Acute oral toxicity (LD50): 9 ml/kg [Rat]. Acute dermal toxicity (LD50): >3160 mg/kg [Rabbit].
Chronic Effects on Humans	CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC. Lifetime skin painting studies conducted by the American Petroleum Institute and others have shown that similar products boiling between 175-370 C (350-700 F) usually produce skin tumors and/or cancer in mice. The degree of carcinogenic response was weak to moderate with a relatively long latent period. The implications of these results for humans have not been determined. The substance is toxic to the nervous system, gastro-intestinal tract, upper respiratory tract, skin, eyes.
Other Toxic Effects on Humans	Very hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant).
Special Remarks on Toxicity to Animals	Prolonged or repeated inhalation of highly concentrated petroleum distillates caused liver tumors in mice and kidney damage and tumors in male rats. Skin paint with distillates (boiling range 100-700 F) applied repeatedly and never washed off can cause skin cancer. Chronic exposure to unfiltered diesel exhaust produced tumors in lungs and lymphomas in mice and rats.
Special Remarks on Chronic Effects on Humans	NIOSH recommends that whole diesel exhaust be regarded as a potential carcinogen.
Special Remarks on Other Toxic Effects on Humans	No additional remark.

Section 12. Ecological Information

Ecotoxicity	Aquatic toxicity: 2990 ppm/24 hr (kerosene). Does not bioconcentrate in the food chain (kerosene).
BOD5 and COD	53%, 5 days (kerosene)
Biodegradable/OECD	Not available.
Mobility	Not available.
	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	No additional remark.

Section 13. Disposal Considerations

Waste Information	Recover free liquid. Transfer to an approved disposal area in accordance with federal, state, and local regulations.
Waste Stream	Not available.

Consult your local or regional authorities.

Section 14. Transport Information

DOT Classification	DOT CLASS 3: Flammable liquid.
	Flammable liquids n.o.s.
	NA1993
	Not available.
Marine Pollutant	Not available.
Hazardous Substances Reportable Quantity	Not available.
Special Provisions for Transport	No additional remark.
TDG Classification	TDG CLASS 3: Flammable liquid.
ADR/RID Classification	ADR CLASS 3: Flammable liquid A.
IMO/IMDG Classification	IMDG CLASS 3.1: Flammable liquid (Low flash point).
ICAO/IATA Classification	IATA CLASS 3: Flammable liquid.

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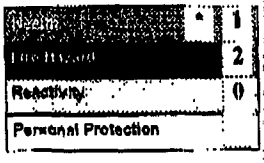
Section 15. Regulatory information

HCS Classification	HCS CLASS: Combustible liquid having a flash point between 37.8°C (100°F) and 93.3°C (200°F).
U.S. Federal Regulations	TSCA inventory: Diesel Oil #2 SARA 313 toxic chemical notification and release reporting: No products were found. Clean water act (CWA) 307: No products were found. Clean water act (CWA) 311: No products were found. Clean air act (CAA) 112 accidental release prevention: No products were found. Clean air act (CAA) 112 regulated flammable substances: No products were found. Clean air act (CAA) 112 regulated toxic substances: No products were found.
International Regulations	
WHMIS (Canada)	WHMIS CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).
	CEPA DSL: Diesel Oil #2
EINECS	Not available.
DSCL (EEC)	R36/38- Irritating to eyes and skin.
International Lists	No products were found.
State Regulations	Pennsylvania RTK: Diesel Oil #2 California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: No products were found.

Section 16. Other information

Label requirements	COMBUSTIBLE LIQUID AND VAPOR. Vapor may cause fire. MAY CAUSE NERVOUS SYSTEM, GASTROINTESTINAL TRACT, RESPIRATORY TRACT, SKIN, EYES DAMAGE.

Hazardous Material Information System (U.S.A.)



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

References	LOLI AND TOMES (Vol 37: RTECS, CHRIS, & NEW JERSEY HAZARDOUS SUBSTANCE FACT SHEETS)
Other Special Considerations	No additional remark.

Validated by Larry Myers on 3/25/99. **Verified by Paul Bradley.**

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