NM2 - 10

C-138
YEAR(S):

2004-1998

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-138
Revised June 10, 2003

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 Giant Refining Company
	5. Originating Site Bloomfield Refinery
2. Management Facility Destination Giant Mid-Continent, Inc. Land Farm	6. Transporter Envirotech
3. Address of Facility Operator 111 County Road 4990 Bloomfield, NM 87413	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 50 County Road 4990 Bloomfield, NM 87413	

9. Circle One:

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

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

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

BRIEF DESCRIPTION OF MATERIAL:

Remaining process wastewater evaporation pond sludge. Analytical information is attached.

This material was profiled on 7/25/03. NMOCD accepted this material as a solid waste for landfarming on 7/30/03. Due to unexpected delays, Giant was unable to complete the transfer of this waste. Giant has not added to or changed the existing waste.

Estimated Volume 80 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE _____ TITLE: Safety & Environmental Manager DATE: 5/11/04
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Gary Winn TELEPHONE NO. (505) 632-4077

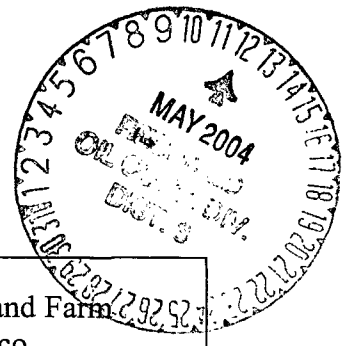
E-MAIL ADDRESS gwinn@giant.com

OS1704-1

(This space for State Use)

APPROVED BY: _____ TITLE: Envirn/Engr DATE: 5/12/04

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 5/17/04



CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Giant Refining Company 50 County Road 4990 Bloomfield, NM 87413	2. Destination Name: Giant Mid-Continent, Inc. Land Farm San Juan County, New Mexico
3. Originating Site (Name): Giant Refining Company 50 County Road 4990 Bloomfield, NM 87413 Attach list of originating sites as appropriate.	Location of the Waste (Street address &/or ULSTR): 50 County Road 4990 Bloomfield, NM 87413
4. Source and Description of Waste: Remaining process wastewater evaporation pond sludge. This material was profiled on 7/25/03. NMOCD accepted this material as a solid waste for landfarming on 7/30/03. Due to unexpected delays, Giant was unable to complete the transfer of this waste. Giant has not added to or changed the existing waste.	

I, Randy Schmaltz, a representative for Giant Refining Company do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988 regulatory determination, the above described waste is: (Check appropriate classification)

☐ EXEMPT oilfield waste

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

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

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

☐ MSDS Information
☐ RCRA Hazardous Waste Analysis
☒ Chain of Custody
☒ Other (description): ____

Name (Original Signature): _____
Title: Environmental Manager
Date: 5/11/04

TRACE ANALYSIS, INC.

ANALYTICAL REPORT

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
4725 Ripley Avenue, Suite A El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

CLIENT GIANT REFINING CO.
111 COUNTY ROAD 4990
BLOOMFIELD, NM 87413

SAMPLE NO. : 992603
INVOICE NO.: 22104219
REPORT DATE: 06-23-99
REVIEWED BY:
PAGE : 1 OF 1

CLIENT SAMPLE ID : S. POND SLUDGE
SAMPLE TYPE .....: sludge
SAMPLED BY .....: L.S.
SUBMITTED BY ....: Lynn Shelton
SAMPLE SOURCE ...: S. POND SLUDGE

AUTHORIZED BY : D. Overhoff
CLIENT P.O. : --
SAMPLE DATE ...: 06-02-99
SUBMITTAL DATE : 06-03-99
EXTRACTION DATE: --

REMARKS -

Detection limit raised for Sulfate due to interference.
Fluoride Matrix Spike level below reporting limit. Matrix Spike data not valid.

Inorganic Non-Metals-Solids
Modified Methods Based on Water Extracts

DATA TABLE

Parameter	Result	Unit	Detection Limit	Analysis Date	Test Method	Analyst
Nitrate Nitrogen .....:	800	mg/Kg	10.	06-04-99	EPA-300.0	A. Myers
Sulfate .....:	520	mg/Kg	110	06-04-99	EPA-300.0	A. Myers
Chloride .....:	1100	mg/Kg	50.	06-04-99	EPA-300.0	A. Myers
Fluoride .....:	<20.	mg/Kg	20.	06-04-99	EPA-300.0	A. Myers
pH .....:	8.6	S.U.		06-07-99	SW-9045C	A. Myers
Temp, C: at time of pH .....:	20.9			06-07-99		A. Myers

Karen Costa
MANAGING DIRECTOR

(1) Copy to Client

TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
4725 Ripley Avenue, Suite A El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

ANALYTICAL RESULTS FOR
GIANT REFINING CO. BLOOMFIELD
Attention: Lynn Shelton
111 County Road 4990
Bloomfield, NM 87413

June 14, 1999
Receiving Date: 06/03/99
Sample Type: Sludge
Project No: N/A
Project Location: N/A

Sampling Date: 06/02/99
Sample Condition: I & C
Sample Received by: VW
Project Name: N/A

TA#	FIELD CODE	CYANIDE (mg/L)	PHENOLICS (mg/L)
T125841/992603	S. Pond Sludge	<0.025	0.549
ICV		0.126	0.835
CCV		0.121	0.850
REPORTING LIMIT		0.025	0.002
RPD		1*	8
% Extraction Accuracy		103*	116
% Instrument Accuracy		105	104

QA/QC

***Matrix spikes failed so blank spikes were used for RPD & %EA.**

PREP DATE	06/09/99	06/10/99
ANALYSIS DATE	06/09/99	06/10/99

METHODS: EPA SM 4500 CN-C,E,
CHEMIST: MD
CYANIDE SPIKE: 3.0 mg/L CYANIDE
PHENOLICS SPIKE: 0.8 mg/L PHENOLICS

CYANIDE CV: 0.120 mg/L CYANIDE
PHENOLICS CV: 0.8 mg/L PHENOLICS

Director, Dr. Blair Leftwich

6-14-99
Date

TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
4725 Ripley Avenue, Suite A El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

ANALYTICAL RESULTS FOR
GIANT REFINING CO. BLOOMFIELD
Attention: Lynn Shelton
111 County Road 4990
Bloomfield, NM 87413

June 14, 1999
Receiving Date: 06/03/99
Sample Type: Sludge
Project No: N/A
Project Location: N/A

Sampling Date: 06/02/99
Sample Condition: I & C
Sample Received by: VW
Project Name: N/A

TA#	FIELD CODE	TOTAL Cr (mg/kg)
T125841/992603	S. Pond Sludge	4.8
ICV		1.04
CCV		1.04
REPORTING LIMIT		2.0
RPD		1
% Extraction Accuracy		103
% Instrument Accuracy		104
EXTRACTION DATE		06/09/99
ANALYSIS DATE		06/10/99

METHODS: EPA 846-1311, 6010B
CHEMIST: RR
TOTAL Cr SPIKE: 200 mg/kg
TOTAL Cr CV: 1.0 mg/L

Director, Dr. Blair Leftwich

6-14-99
DATE

6701 Aberdeen Avenue, Ste. 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

TraceAnalysis, Inc.

4725 Ripley Dr., Ste A
El Paso, Texas 79922-1028
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID #

Company Name: GIANT REFINING CO. - BLOOMFIELD Phone #: (505) 632 4168

Address: (Street, City, Zip) 111 COUNTY ROAD 4990 BLOOMFIELD NM 87413 Fax #: (505) 632 4024

Contact Person: LYNN SHELTON

Invoice to: (If different from above) P.O. BOX 159 BLOOMFIELD, NM 87413

Project #: Project Name:

Project Location: Sampler Signature: Lynn Shelton

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	SAMPLING: DATE	TIME
992603	S. POND SLUDGE	2					X			X		6/2/99	202

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	~~TCLP Pesticides~~ CYANIDE-T	~~RCI~~ NO3	GC-MS Vol. 8260B/624 *	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	* WQCC CONSTITUENTS * T-METALS *	Turn Around Time if different from standard	Hold
					X	X	X	X	X	X					X		

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Lynn Shelton	6/2/99	4:00			
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
			A. Donohue	6/3/99	1000

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C.

LAB USE ONLY

Intact Y / N N/A
Headspace Y / N
Temp 20 C°
Log-in Review

REMARKS:
* SEE LIST

Carrier # UPS # 1Z 881 8371 1006 2010

TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
4725 Ripley Avenue, Suite A El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

ANALYTICAL RESULTS FOR
GIANT REFINING CO.-BLOOMFIELD
Attention: Lynn Shelton
111 County Road
Bloomfield, NM 87413

July 7, 1999
Receiving Date: 6/3/99
Sample Type: Sludge
Project No: N/A
Project Location: N/A

Prep Date: 7/1/99
Analysis Date: 7/1/99
Sampling Date: 6/2/99
Sample Condition: Intact & Cool
Sample Received by: AD
Project Name: N/A

FIELD CODE: S. POND SLUDGE
TA #: T125841/992603

8260 Compounds	Reporting Limit (ug/kg)	Concentration (ug/kg)	QC	RPD	EA	IA
Dichlorodifluoromethane	25	ND				
Chloromethane	25	ND				
Vinyl chloride	50	ND	107			107
Bromomethane	125	ND				
Chloroethane	25	ND				
Trichlorofluoromethane	25	ND				
1,1-Dichloroethene	25	ND	104	6	90	104
Methylene chloride	125	ND				
trans-1,2-Dichloroethene	25	ND				
1,1-Dichloroethane	25	ND				
cis-1,2-Dichloroethene	25	ND				
Chloroform	25	ND	102			102
2,2-Dichloropropane	25	ND				
Bromochloromethane	25	ND				
1,2-Dichloroethane	25	ND				
1,1,1-Trichloroethane	25	ND				
Carbon Tetrachloride	25	ND				
1,1-Dichloropropene	25	ND				
Benzene	25	54		1	112	
1,2-Dichloropropane	25	ND	100			100
Trichloroethene	25	ND		4	114	
Dibromomethane	25	ND				
Bromodichloromethane	25	ND				
cis-1,3-Dichloropropene	25	ND				
trans-1,3-Dichloropropene	25	ND				
Toluene	25	400	101	3	112	101
1,1,2-Trichloroethane	25	ND				
1,3-Dichloropropane	25	ND				
MTBE	25	ND				

GIANT REFINING CO.-BLOOMFIELD
Attention: Lynn Shelton
FIELD CODE: S. POND SLUDGE
TA #: T125841/992603

8260 Compounds	Reporting Limit (ug/kg)	Concentration (ug/kg)	QC	RPD	EA	IA
Dibromochloromethane	25	ND				
1,2-Dibromoethane	25	ND				
Tetrachloroethene	25	ND				
Chlorobenzene	25	ND	100	1	109	100
1,1,1,2-Tertachloroethane	25	ND				
Ethylbenzene	25	110	102			102
m & p-Xylene	25	630				
Bromoform	25	ND				
Styrene	25	ND				
o-Xylene	25	260				
1,1,2,2-Tetrachloroethane	25	ND				
1,2,3-Trichloropropane	25	ND				
Isopropylbenzene	25	ND				
Bromobenzene	25	ND				
2-Chlorotoluene	25	ND				
n-Propylbenzene	25	ND				
4-Chlorotoluene	25	ND				
1,3,5-Trimethylbenzene	25	130				
tert-Butylbenzene	25	ND				
1,2,4-Trimethylbenzene	25	380				
1,4-Dichlorobenzene	50	ND				
sec-Butylbenzene	25	ND				
1,3-Dichlorobenzene	50	ND				
4-Isopropyltoluene	25	ND				
1,2-Dichlorobenzene	50	ND				
n-Butylbenzene	25	ND				
1,2-Dibromo-3-chloropropane	125	ND				
1,2,3-Trichlorobenzene	125	ND				
Naphthalene	25	180				
1,2,4-Trichlorobenzene	125	ND				
Hexachlorobutadiene	125	ND				

	% Recovery
Dibromofluoromethane	103
Toluene-d8	100
4-Bromofluorobenzene	100

ND = Not Detected

Methods: EPA SW 846-5035, 8260B
CHEMIST: JG

Director, Dr. Blair Leftwich

7-7-99
Date

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
4725 Ripley Avenue, Suite A El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

ANALYTICAL REPORT

CLIENT GIANT REFINING CO.
111 COUNTY RD 4990
BLOOMFIELD, NM 87413

SAMPLE NO. : 992603
INVOICE NO.: 22104219
REPORT DATE: 06-29-99
REVIEWED BY:
PAGE : 1 OF 2

CLIENT SAMPLE ID : S. POND SLUDGE
SAMPLE TYPE .....: sludge
SAMPLED BY .....: L.S.
SUBMITTED BY ....: Lynn Shelton
SAMPLE SOURCE ...: S. POND SLUDGE

AUTHORIZED BY : L. Shelton
CLIENT P.O. : --
SAMPLE DATE ...: 06-02-99
SUBMITTAL DATE : 06-03-99
EXTRACTION DATE: --

REMARKS -

Matrix spike and matrix spike duplicate were out of acceptance criteria range possibly due non-homogeneity of the sample for the following parameters: Lead, Cadmium, Selenium, Silver, and Copper. Matrix Spike Duplicate was out of acceptance criteria for Zinc and Manganese.

METALS SOLID-ICP

D A T A T A B L E

Parameter	Result	Unit	Detection Limit	Analysis Date	Test Method	Analyst
Total Silver .....:	<1.3	mg/Kg	1.30	06-28-99	3111B	N. Munir
Total Arsenic .....:	<5.00	mg/Kg	5.00	06-11-99	6010B	N. Munir
Total Barium .....:	410	mg/Kg	5.00	06-11-99	6010B	N. Munir
Total Cadmium .....:	<5.00	mg/Kg	5.00	06-11-99	6010B	N. Munir
Total Chromium .....:	4.5	mg/Kg	5.00	06-08-99	3111B	N. Munir
Total Lead .....:	6.5	mg/Kg	5.00	06-11-99	6010B	N. Munir
Total Selenium .....:	<5.00	mg/Kg	5.00	06-11-99	6010B	N. Munir

(1) Copy to Client

Karen Cook
MANAGING DIRECTOR

TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
4725 Ripley Avenue, Suite A El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

ANALYTICAL REPORT

CLIENT GIANT REFINING CO.
111 COUNTY RD 4990
BLOOMFIELD, NM 87413

SAMPLE NO. : 992603
INVOICE NO.: 22104219
REPORT DATE: 06-29-99
REVIEWED BY:
PAGE : 2 OF 2

DATA TABLE (Continue)

Parameter	Result	Unit	Detection Limit	Analysis Date	Test Method	Analyst
Total Mercury	6.8	mg/Kg	0.50	06-10-99	SW-7470	N. Munir
Total Aluminum	790	mg/Kg	25.0	06-21-99	6010B	N. Munir
Total Boron	<5.00	mg-Kg	5.00	06-18-99	6010B	N. Munir
Total Cobalt	<5.00	mg/Kg	5.00	06-18-99	6010B	N. Munir
Total Copper	<5.00	mg/Kg	5.00	06-18-99	6010B	N. Munir
Total Iron	6800	mg/Kg	2.5	06-21-99	6010B	N. Munir
Total Manganese	48.	mg/Kg	5.00	06-17-99	6010B	N. Munir
Total Molybdenum	<5.00	mg/Kg	5.00	06-18-99	6010B	N. Munir
Total Nickel	<5.00	mg/Kg	5.00	06-18-99	6010B	N. Munir
Total Zinc	100	mg/Kg	5.00	06-17-99	6010B	N. Munir

(1) Copy to Client

TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
4725 Ripley Avenue, Suite A El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

ANALYTICAL REPORT

CLIENT GAINT REFINING CO.
111 COUNTY ROAD 4990
BLOOMFIELD, NM 87413

SAMPLE NO. : 992603
INVOICE NO.: 22104219
REPORT DATE: 06-16-99
REVIEWED BY:
PAGE : 1 OF 1

CLIENT SAMPLE ID : S. POND SLUDGE
SAMPLE TYPE .....: sludge
SAMPLED BY .....: L.S.
SUBMITTED BY ....: Lynn Shelton
SAMPLE SOURCE ...: S. POND SLUDGE

AUTHORIZED BY : L. Shelton
CLIENT P.O. : --
SAMPLE DATE ...: 06-02-99
SUBMITTAL DATE : 06-03-99
EXTRACTION DATE: --

TCLP Metals

D A T A T A B L E

Parameter	Result	Unit	Detection Limit	Analysis Date	Test Method	Analyst
Arsenic (TCLP)	<0.50	mg/L	0.50	06-15-99	SW 7060A	N. Munir
Barium (TCLP)	<0.50	mg/L	0.50	06-15-99	SW 3010A/7080A	N. Munir
Cadmium (TCLP)	<0.50	mg/L	0.50	06-15-99	SW 3010A/7130	N. Munir
Chromium (TCLP)	<0.50	mg/L	0.50	06-08-99	SW 3010A/7190	N. Munir
Lead (TCLP)	<0.50	mg/L	0.50	06-15-99	SW 3010A/7420	N. Munir
Mercury (TCLP)	<0.010	mg/L	0.010	06-10-99	SW 7470A	N. Munir
Selenium (TCLP)	<0.50	mg/L	0.50	06-15-99	SW 7740	N. Munir
Silver (TCLP)	<0.50	mg/L	0.50	06-08-99	SW 7760A	N. Munir

(1) Copy to Client

TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
4725 Ripley Avenue, Suite A El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

ANALYTICAL RESULTS FOR
GIANT REFINING CO. BLOOMFIELD
Attention: Lynn Shelton
111 County Road 4990
Bloomfield, NM 87413

June 14, 1999
Receiving Date: 06/03/99
Sample Type: Sludge
Project No: N/A
Project Location: N/A

Sampling Date: 06/02/99
Sample Condition: I & C
Sample Received by: VW
Project Name: N/A

TA#	FIELD CODE	TCLP Cr (mg/L)
EPA LIMIT =		5.0
T125841/992603	S. Pond Sludge	<0.50
ICV		1.03
CCV		0.99
REPORTING LIMIT		0.50
RPD	QA/QC	2
% Extraction Accuracy		99
% Instrument Accuracy		101
EXTRACTION DATE		06/04/99
ANALYSIS DATE		06/07/99

METHODS: EPA 846-1311, 6010B
CHEMIST: RR
TCLP Cr SPIKE: 10 mg/L
TCLP Cr CV: 1.0 mg/L

Director, Dr. Blair Leftwich

6-14-99
DATE

TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
4725 Ripley Avenue, Suite A El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

ANALYTICAL RESULTS FOR
GIANT REFINING CO. BLOOMFIELD
Attention: Lynn Shelton
111 County Road 4990
Bloomfield, NM 87413

June 16, 1999
Receiving Date: 06/03/99
Sample Type: Sludge
Project No:
Project Location:

Extraction Date: 06/07/99
Analysis Date: 06/15/99
Sampling Date: 06/02/99
Sample Condition: I & C
Sample Received by: VW
Project Name:

TCLP VOLATILES (mg/L)	EPA Limit	Reporting Limit	T126322/992603 S. Pond Sludge	QC	RPD	%EA	%IA
Vinyl chloride	0.20	0.05	ND	112	6	116	112
1,1-Dichloroethene	0.70	0.05	ND	112	9	116	112
Methyl Ethyl Ketone	200.0	0.5	ND	85	12	86	85
Chloroform	6.00	0.05	ND	86	10	103	86
1,2-Dichloroethane	0.50	0.05	ND	81	12	93	81
Benzene	0.50	0.05	ND	96	9	112	96
Carbon Tetrachloride	0.50	0.05	ND	104	6	119	104
Trichloroethene	0.50	0.05	ND	96	7	114	96
Tetrachloroethene	0.70	0.05	ND	99	8	124	99
Chlorobenzene	100.00	0.05	ND	98	8	108	98
1,4-Dichlorobenzene	7.50	0.05	ND	94	8	108	94

SURROGATES	% Recovery
Dibromofluoromethane	91
Toluene-d8	96
4-Bromofluorobenzene	93

ND = Not Detected

METHODS: EPA SW 846-1311, 8260.
CHEMIST: DG

Director, Dr. Blair Leftwich

06/16/99
Date

TRACE ANALYSIS, INC.
6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
4725 Ripley Avenue, Suite A El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

ANALYTICAL REPORT

CLIENT GIANT REFINING COMPANY
111 COUNTY ROAD 4990
BLOOMFIELD, NM 87413

SAMPLE NO.: 992603
INVOICE NO.: 22104219
REPORT DATE: 06-22-99
REVIEWED BY:
PAGE : 1 OF 2

CLIENT SAMPLE ID : S. POND SLUDGE
SAMPLE TYPE .....: sludge
SAMPLED BY .....: L.S.
SUBMITTED BY ....: Lynn Shelton
SAMPLE SOURCE ...: S. POND SLUDGE
ANALYST .....: S. Ortiz

AUTHORIZED BY : L. Shelton
CLIENT P.O. : --
SAMPLE DATE ...: 06-02-99
SUBMITTAL DATE : 06-03-99
EXTRACTION DATE: 06-15-99
ANALYSIS DATE .: 06-16-99

REMARKS -

Pyridine is out of acceptance criteria in laboratory control sample. Results are acceptable in the laboratory control sample duplicate and the matrix spikes.
Hexachorobenzene Relative Percent Difference between Laboratory Control Samples is out of acceptance criteria.
Detection limits raised due to interference.

TCLP Semi - Volatiles by EPA 8270C

D A T A T A B L E

Parameter	Result	Unit	Detection Limit
Pyridine	<0.25	mg/L	0.25
1,4-Dichlorobenzene	<0.25	mg/L	0.25
2-Methylphenol	<0.25	mg/L	0.25
4-Methylphenol	<0.25	mg/L	0.25
Hexachloroethane	<0.25	mg/L	0.25
Nitrobenzene	<0.25	mg/L	0.25
Hexachlorobutadiene	<0.25	mg/L	0.25
2,4,6-Trichlorophenol	<0.25	mg/L	0.25
2,4,5-Trichlorophenol	<0.25	mg/L	0.25
2,4-Dinitrotoluene	<0.25	mg/L	0.25
Hexachlorobenzene	<0.25	mg/L	0.25
Pentachlorophenol	<0.25	mg/L	0.25

(1) Copy to Client

MANAGING DIRECTOR

TRACE ANALYSIS, INC.

ANALYTICAL REPORT

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
4725 Ripley Avenue, Suite A El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

CLIENT GIANT REFINING COMPANY
111 COUNTY ROAD 4990
BLOOMFIELD, NM 87413

SAMPLE NO. : 992603
INVOICE NO.: 22104219
REPORT DATE: 06-22-99
REVIEWED BY:

D A T A T A B L E (Cont.)

Surrogate Information -

	Percent Recovery	Range
2-Flourophenol	33.1	11-114
Phenol-D6	25.6	13-130
Nitrobenzene-d5	61.0	1-198
2-Flurobiphenyl	71.2	19-152
2,4,6-Tribromophenol	93.4	1-179
Terphenyl-d14	154.0	15-195

(1) Copy to Client

TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
4725 Ripley Avenue, Suite A El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

ANALYTICAL REPORT

CLIENT GAINT REFINING CO.
111 COUNTY RD. 4990
BLOOMFIELD, NM 87413

SAMPLE NO. : 992603
INVOICE NO.: 22104219
REPORT DATE: 06-22-99
REVIEWED BY:
PAGE : 1 OF 2

CLIENT SAMPLE ID : S. POND SLUDGE
SAMPLE TYPE .....: sludge
SAMPLED BY .....: L.S.
SUBMITTED BY ....: Lynn Shelton
SAMPLE SOURCE ...: S. POND SLUDGE
ANALYST .....: S. Ortiz

AUTHORIZED BY : L. Shelton
CLIENT P.O. : --
SAMPLE DATE ...: 06-02-99
SUBMITTAL DATE : 06-03-99
EXTRACTION DATE: 06-14-99
ANALYSIS DATE .: 06-15-99

REMARKS -

Detection limits raised due to sample dilution.

PAH - Soil by 8270C

D A T A T A B L E

Parameter	Result	Unit	Detection Limit
Naphthalene	<6.0	mg/Kg	6.0
Acenaphthylene	<6.0	mg/Kg	6.0
Acenaphthene	<6.0	mg/Kg	6.0
Fluorene	<6.0	mg/Kg	6.0
Anthracene	<6.0	mg/Kg	6.0
Phenanthrene	<6.0	mg/Kg	6.0
Fluoranthene	<6.0	mg/Kg	6.0
Pyrene	<6.0	mg/Kg	6.0
Benz[a]anthracene	<6.0	mg/Kg	6.0
Chrysene	<6.0	mg/Kg	6.0
Benzo[b&k]fluoranthene	<6.0	mg/Kg	6.0
Benzo[a]pyrene	<6.0	mg/Kg	6.0
Indeno[1,2,3-cd]pyrene	<6.0	mg/Kg	6.0
Dibenz[a,h]anthracene	<6.0	mg/Kg	6.0
Benzo[g,h,i]perylene	<6.0	mg/Kg	6.0

(1) Copy to Client

Kevin Costa
MANAGING DIRECTOR

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
4725 Ripley Avenue, Suite A El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

ANALYTICAL REPORT

CLIENT GAINT REFINING CO.
111 COUNTY RD. 4990
BLOOMFIELD, NM 87413

SAMPLE NO.: 992603
INVOICE NO.: 22104219
REPORT DATE: 06-22-99
REVIEWED BY:

DATA TABLE (Cont.)

Surrogate Information -

	Percent Recovery	Range
Phenol-d5	61.4	13-130
2-Fluorobiphenyl	88.1	19-152
2,4,6 Tribromophenol	90.3	1-179
2-Fluorophenol	52.4	11-114
Terphenyl-d14	100.0	15-195
Nitrobenzene-d5	47.6	1-198

(1) Copy to Client

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Martyne Kelly
RECEIVED
FEB 02 2004
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

1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☒ No ☐ Frank Chavez	4. Generator Giant Industries, Inc. 5. Originating Site Ciniza Pipe Line Company's West Line
2. Management Facility Destination Giant Mid-Continent, Inc.'s Land Farm	6. Transporter Giant Industries, Inc./Inland Corporation
3. Address of Facility Operator 111 County Road 4990 Bloomfield, NM 87413	8. State New Mexico
7. Location of Material (Street Address or ULSTR) SW Sec. 33 T23N R14W	

9. Circle One:

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

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

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

BRIEF DESCRIPTION OF MATERIAL:

Petroleum-impacted soil from pipeline leak

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

SIGNATURE Gary Winn TITLE: Safety & Environmental Manager DATE: 1-29-04
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Gary Winn TELEPHONE NO. (505) 632-4077

020204-1

(This space for State Use)

APPROVED BY: Denny Foust TITLE: Envir/Engr DATE: 1/30/04

APPROVED BY: Martyne J. Kelly TITLE: Environmental Geologist DATE: 02/02/04

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Giant Industries, Inc. 111 County Road 4990 Bloomfield, NM 87413	2. Destination Name: Giant Mid-Continent, Inc. Land Farm San Juan County, New Mexico
3. Originating Site (Name): Ciniza Pipe Line Company's West Line at R-24 Attach list of originating sites as appropriate.	Location of the Waste (Street address &/or ULSTR): SW Sec. 33 T23N R14W
4. Source and Description of Waste: Source: Pipeline Leak Waste: Petroleum-impacted soil	

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

☐ EXEMPT oilfield waste

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

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

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

☐ MSDS Information
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

☒ Other (description):
Knowledge of process letter

Name (Original Signature): Barry Holman
Title: Operations Manager, Transportation
Date: 1/29/04

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

July 29, 1998

CERTIFIED MAIL
RETURN RECEIPT NO. Z-357-869-974

Mr. Barry G. Holman
Safety and Environmental Manager
Giant Transportation
111 CR 4990
Bloomfield, New Mexico 87413

RE: CRUDE OIL PIPELINE SPILLS

Dear Mr. Townsend:

The New Mexico Oil Conservation Division (OCD) has reviewed the Giant Transportation (Giant) July 20, 1998, correspondence which presents the results of representative RCRA hazardous waste characteristic sampling of contaminated soils from pipeline related spills of crude oil. Giant requests that they be allowed to use these analyses and a statement of process knowledge for determining the soils to be RCRA non-hazardous during future crude oil pipeline spill remediations. These analyses are to be used in lieu of individual sampling of each spill event.

The above referenced request is approved with the following conditions:

1. The above representative analyses can be used in lieu of individual sampling of each spill event until further notice.

2. Giant will reference the above waste determination in all future RCRA non-exempt crude oil spill reports to the OCD.

3. Giant will notify the OCD within 24 hours of any system changes which could potentially alter the composition of any spilled crude such that RCRA hazardous waste characteristics in the spill area could be exceeded.

Please be advised that OCD approval does not relieve Giant of liability should these types of leaks and spills result in contamination of surface waters, ground waters or the environment. In addition, OCD approval does not relieve Giant of responsibility for compliance with any other federal, state or local laws and/or regulations. If you have questions please contact me at (505) 827-7152.

Sincerely,

Roger C. Anderson
Environmental Bureau Chief

xc: OCD Aztec District Office
NMED Hazardous and Radioactive Waste Bureau

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
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 ☐ Frank Chavez	4. Generator Giant Refining Company
	5. Originating Site Bloomfield Fuel Dispenser
2. Management Facility Destination Giant Mid-Continent, Inc.'s Land Farm	6. Transporter Giant Industries, Inc./Inland Corporation
3. Address of Facility Operator 111 County Road 4990 Bloomfield, NM 87413	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 111 County Road 4990 Bloomfield, NM 87413	

9. Circle One:

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

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

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

BRIEF DESCRIPTION OF MATERIAL:

Gasoline ~~Petroleum~~-impacted soil

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

SIGNATURE Gary Winn TITLE: Safety & Environmental Manager DATE: 2/3/04
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Gary Winn TELEPHONE NO. (505) 632-4077

c 20504

(This space for State Use)

APPROVED BY: Denny Foust TITLE: Enviro/Engr DATE: 2/04/04

APPROVED BY: Martyn J. Kay TITLE: Environmental Geologist DATE: 2/5/04

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Giant Industries, Inc. 111 County Road 4990 Bloomfield, NM 87413	Giant Mid-Continent, Inc. Land Farm San Juan County, New Mexico
3. Originating Site (Name): Giant Industries, Inc. 111 County Road 4990 Bloomfield, NM 87413 Attach list of originating sites as appropriate.	Location of the Waste (Street address &/or ULSTR): N/A
4. Source and Description of Waste: Source: Portable Cargo Tank	Waste: ~~Petroleum~~ Gasoline-impacted soil

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

☐ EXEMPT oilfield waste

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

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

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

☐ MSDS Information
☐ RCRA Hazardous Waste Analysis
☒ Other (description): Analytical profile attached TPH, BTEX
☒ Chain of Custody

Name (Original Signature): Barry Holman
Title: Operations Manager, Transportation
Date: 2/3/04

WASTE MANAGEMENT

GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

Service Agreement on File? ☐YES ☐NO

Profile Number: WMI PCS # 063571B

☐Hazardous ☒Non-Hazardous ☐TSCA

1-26-04

Renewal Date: / /

A. Waste Generator Information

1. Generator Name:	Giant	2. SIC Code:	
3. Facility Street Address:	111 cr. 4990	4. Phone:	(505) 632-4077
5. Facility City:	Bloomfield	6. State/Province:	NM
7. Zip/Postal Code:	87413	8. Generator USEPA/Federal ID #:	
9. County:	San Juan	10. State/Province ID #:	
11. Customer Name:	Giant	12. Customer Phone:	(505)320-3415
13. Customer Contact:	Gary Winn	14. Customer Fax:	505 632-4073
15. Billing Address	Same	☐Same as above	

B. Waste Stream Information

1. **Description**

a. Name of Waste: Petroleum (Gasoline) Contaminated Soil

b. Process Generating Waste: Tanker Spill

c. Color	d. Strong odor (describe):	e. Physical state @ 70°F	f. Layers	g. Free liquid range
Brown	Fuel	☒Solid ☐Liquid ☐Gas ☐Sludge ☐Other	☒Single Layer ☐Multi-layer	0 to 0 %
				h. pH: Range 5 to 9

i. Liquid Flash Point: ☐<73°F ☐73-99°F ☐100-139°F ☐140-199°F ☐≥ 200°F ☒Not applicable

j. Chemical Composition (List all constituents [including halogenated organics, debris, and UHC's] present in any concentration and submit representative analysis):

Constituents	Concentration Range	Constituents	Concentration Range
Petroleum Contaminated Soil	100%		

TOTAL COMPOSITION MUST EQUAL OR EXCEED 100%

Check all that apply:

k. ☐Oxidizer ☐Pyrophoric ☐Explosive ☐Radioactive ☐Carcinogen ☐Infectious ☐Shock Sensitive ☐Water Reactive

l. Does the waste represented by this profile contain any of the carcinogens which require OSHA notification? (list in Section B.1.j)..... ☐YES ☒NO

m. Does the waste represented by this profile contain dioxins? (list in Section B.1.j)..... ☐YES ☒NO

n. Does the waste represented by this profile contain asbestos?..... ☐YES ☒NO

If yes..... ☐friable ☐non-friable

o. Does the waste represented by this profile contain benzene?..... ☒YES ☐NO

If yes, concentration Less than 0.5 ppm

Is the waste subject to the benzene waste operations NESHAP?..... ☐YES ☒NO

p. Is the waste subject to RCRA Subpart CC controls?..... ☐YES ☒NO

If yes, volatile organic concentration _____ ppmw

q. Does the waste contain any Class I or Class II ozone-depleting substances?..... ☐YES ☒NO

r. Does the waste contain debris? (list in Section B.1.j)..... ☐YES ☒NO

2. **Quantity of Waste**

Estimated Annual Volume 500 ☐Tons ☒Yards ☐Drums ☐Other (specify) _____

3. **Shipping Information**

a. Packaging:

☒Bulk Solid; Type/Size: Belly-Dump ☐Bulk Liquid; Type/Size: _____

☐Drum; Type; Size: _____ ☐Other: _____

b. Shipping Frequency: Units 15-20 yards per load Per: ☐Month ☐Quarter ☐Year ☒One time ☐Other _____

c. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If no, skip d, e, and f)..... ☐YES ☒NO

WASTE MANAGEMENT

GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

Profile Number: WMI 063578

Profile #:

d. Reportable Quantity (lbs.; kgs.): n/a e. Hazard Class/ID #:

f. USDOT Shipping Name: n/a

g. Personal Protective Equipment Requirements: n/a

h. Transporter/Transfer Station: WM of NM

C. Generator's Certification (Please check appropriate responses, sign, and date below.)

1. Is this a USEPA hazardous waste (40 CFR Part 261)? If the answer is no, skip to 2. ☐YES ☒NO
   a. If yes, identify ALL USEPA listed and characteristic waste code numbers (D, F, K, P, U)
   b. If a characteristic hazardous waste, do underlying hazardous constituents (UHCs) apply? (if yes, list in Section B.1.j) ☐YES ☐NO
   c. Does this waste contain debris? (if yes, list size and type in Chemical Composition - B.1.) ☐YES ☐NO

2. Is this a state hazardous waste? ☐YES ☒NO
   Identify **ALL** state hazardous waste codes

3. Is the waste from a CERCLA (40 CFR 300, Appendix B) or state mandated clean-up? ☐YES ☒NO
   If yes, attach Record of Decision (ROD), 104/106 or 122 order or court order that governs site clean-up activity. For state mandated clean-up, provide relevant documentation.

4. Does the waste represented by this waste profile sheet contain radioactive material, or is disposal regulated by the Nuclear Regulatory Commission? ☐YES ☒NO

5. Does the waste represented by this waste profile sheet contain concentrations of Polychlorinated Biphenyls (PCBs) regulated by 40 CFR 761? (if yes, list in Chemical Composition - B.1.j) ☐YES ☒NO
   a. If yes, were the PCBs imported into the U.S.? ☐YES ☐NO

6. Do the waste profile sheet and all attachments contain true and accurate descriptions of the waste material, and has all relevant information within the possession of the Generator regarding known or suspected hazards pertaining to the waste been disclosed to the Contractor? ☒YES ☐NO

7. Will all changes which occur in the character of the waste be identified by the Generator and disclosed to the Contractor prior to providing the waste to the Contractor? ☒YES ☐NO

☐Check here if a Certificate of Destruction or Disposal is required.

Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. I authorize WMI to obtain a sample from any waste shipment for purposes of recertification. If this certification is made by a broker, the undersigned signs as authorized agent of the generator and has confirmed the information contained in this Profile Sheet from information provided by the generator and additional information as it has determined to be reasonably necessary. If approved for management, Contractor has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

Certification Signature: Gary Winn Title: Environmental Mgr

Name (Type or Print): GARY WINN Company Name: Giant Industries, Inc. Date: 1-28-0

☐Check if additional information is attached. Indicate the number of attached pages

D. WMI Management's Decision — FOR WMI USE ONLY

1. Management Method ☐Landfill ☐Non-hazardous Solidification ☐Bioremediation ☐Incineration ☐Hazardous Stabilization ☐Other (Specify)
2. Proposed Ultimate Management Facility:
3. Precautions, Special Handling Procedures, or Limitation on Approval:

Special Waste Decision ☐Approved ☐Disapproved

Salesperson's Signature: Date:

Division Approval Signature (Optional): Date:

Special Waste Approvals Person Signature: Date:

505-892-2057

WASTE MANAGEMENT

GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

Instructions

Information on this form is used to determine if the waste may be transported, treated, stored or disposed in a legal, safe, and environmentally sound manner. This information will be maintained in strict confidence. Answers must be provided for sections A, B, and C and must be printed in ink or typed. A response of "NONE" or NA" (not applicable) can be made if appropriate. If additional space is needed, indicate on the form that additional information is attached, and attach the information to Generator's Waste Profile Sheet. If you have questions concerning this form, please contact the Contractor's sales representative.

A. Waste Generator Information

1. **Generator Name** - Enter the name of the facility where the waste is generated.
2. **SIC Code** - Enter the four digit Standard Industrial Classification Code for the facility where the waste is generated.
3. **Facility Street Address** - Enter the street address (not P.O. Box) of the facility where the waste is generated.
4. **Phone** - Enter Generator's area code and phone number.
5. **Facility City** - Enter the city where the waste is generated.
6. **State/Province** - Enter the state or province where the waste is generated.
7. **Zip/Postal Code** - Enter the generating facility's zip or postal code.
8. **Generator USEPA/Federal ID #** - Enter the identification number issued by the USEPA, Canadian, or Mexican Federal Agency to the facility generating the waste (if applicable).
9. **County** - Enter the county where the waste is generated.
10. **State/Province ID #** - Enter the identification number issued by the state or province to the facility generating the waste (if applicable).
11. **Customer Name** - Entity that the Contractor is directly working with regarding the represented waste stream. If the same as the Generator, mark "Same as Above".
12. **Customer Phone** - Enter technical contact's area code and telephone number.
13. **Customer Contact** - Enter the name of the person who can answer technical questions about the waste.
14. **Customer Fax** - Area code and facsimile number for the customer.
15. **Billing Address** - Address where bill for services should be sent.

B. Waste Stream Information

1.a. **Name of Waste** - Enter a name generally descriptive of this waste (e.g., paint sludge, fluorescent bulbs).

1.b. **Process Generating Waste** - Describe the process generating the waste in detail. List the specific process/operation or source that generates the waste (e.g., incineration of municipal refuse, asbestos removal, wastewater treatment, building maintenance).

At a minimum, the Generator should answer the following questions in determining the process generating the waste.

- What chemicals are stored and/or used at the facility?
- Is the waste generated from the production/manufacturing of any of the following industries: wood preservation; inorganic pigments; organic pigments; pesticides; explosives; petroleum refining; iron and steel, copper, lead or zinc production?
- Is the waste a result from degreasing, solvent parts cleaning, recovery/reclaiming of solvents (bottoms), wastewater treatment (sludges), or electroplating?

1.c. **Color** - Describe the color of the waste (e.g., blue, transparent, varies).

1.d. **Strong odor** - DO NOT SMELL THE WASTE! If the waste has a known odor, then describe (e.g., acrid, pungent, solvent, sweet).

1.e. **Physical state @ 70°F** - If the four boxes provided do not apply, a descriptive phrase may be entered after "Other" (e.g., multi-phase).

1.f. **Layers** - Single Layer means the waste is homogenous. Multi-layer means the waste is comprised of two or more layers (e.g., oil/water/sludge).

1.g. **Free liquid range** - Range (in percent by volume) of free liquids in the waste.

1.h. **pH Range** - Indicate the pH range.

1.i. **Liquid Flash Point** - Indicate the flash point obtained using the appropriate test method.

1.j. **Chemical Composition** - List all organic and/or inorganic components of the waste using chemical names. If trade names are used, attach Material Safety Data Sheets or other documents that adequately describe the composition of the waste. For each component, estimate the range (in percent) in which the component is present.

1.k. Check all that apply.

1.l. Identify any element, chemical compound, or mixture in concentration of 0.1 percent or greater that is considered a carcinogen or potential carcinogen pursuant to OSHA.

1.m. Indicate if the waste contains any dioxins (list in Section B.1.j).

1.n. Indicate if the waste contains asbestos. Indicate if the asbestos is friable.

1.o. Indicate if the waste contains benzene, the level in ppm, and whether it is subject to the benzene NESHAP.

1.p. Indicate if the waste is subject to RCRA Subpart CC control. In addition, indicate the volatile organic concentration, if known, in parts per million weight.

1.q. Indicate if the waste contains any Class I or Class II ozone-depleting controlled substances.

1.r. Indicate if the waste contains debris (list size and type in B.1.j).

2. **Quantity of Waste** - Approximate volume in tons, yards, or other (e.g., drums, gallons) that will be received by the ultimate management facility. This volume amount is not intended for use in complying with state and/or permit restrictions.

3.a. **Packaging** - Choose the appropriate option or "other" along with a description.

3.b. **Shipping Frequency** - Choose the appropriate option or "other" along with a description.

3.c. **Is this a U.S. Department of Transportation (USDOT) hazardous material?** - Choose the appropriate response: yes or no.

3.d. **Reportable Quantity (lbs.; kgs.)** - If the answer to 3.c. is yes, enter the Reportable Quantity (RQ) established by 40 CFR 302.4 or equivalent Canadian or Mexican regulation for this waste. Indicate the appropriate units for the RQ.

3.e. **Hazard Class/ID #** - If the answer to 3.c. is yes, indicate the proper USDOT hazard class and identification number.

WASTE MANAGEMENT

GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

3.f. **USDOT Shipping Name** - IF the answer to 3.c. is yes, enter the proper USDOT shipping name for the waste.
3.g. **Personal Protective Equipment Requirements** - All personal protective equipment necessary to safely manage the waste stream.
3.h. **Transporter/Transfer Station** - Transporter and/or transfer station name.

C. Generator's Certification (Please check appropriate responses, sign, and date below.)

Indicate the appropriate response to questions/statements 1, 2, 3, 4, 5, 6, and 7. By signing this Generator's Waste Profile Sheet, the Generator certifies the responses are true and accurate with respect to the waste stream(s) listed.

Certification Signature - Signature of an authorized employee of the Generator or representative of the generator if authorized in writing by the generator.
Title - Enter Employee's title.
Name - Type or Print Employee's name.
Company Name - Company employing the person certifying the Generator's Waste Profile Sheet.
Date - Enter the date this Generator's Waste Profile Sheet is signed.

D. WMI Management's Decision — FOR WMI USE ONLY

To be completed by WMI.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

January 28, 2004

Mr. Gary Winn
Giant Transportation
111 CR 4990
Bloomfield, New Mexico 87413

Phone: (505) 632-4009
Fax: (505) 632-4073

Client No.: 97059-007

Dear Mr. Winn,

Enclosed are the analytical results for the sample collected from the location designated as "Giant Rack". One soil sample was collected by Giant designated personnel on 1/26/04, and delivered to the Envirotech laboratory on 1/26/04 for Total Petroleum Hydrocarbons (TPH) per USEPA Method 8015 and BTEX per USEPA Method 8021.

The sample was documented on Envirotech Chain of Custody No. 11789 and assigned Laboratory Nos. 27647 (Spoil #1) for tracking purposes.

The sample was analyzed on 1/27/04 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

Christine M. Walters
Lab Coordinator / Environmental Scientist

Chandra Olague
602-454-2201

enclosure

CMW/cmw

C:/files/labreports/giant/.wpd

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	01-27-BTEX QA/QC	Date Reported:	01-27-04
Laboratory Number:	27647	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-27-04
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	C-Cal RF:	C-Cal RF:	%Diff.	Blank	Detect. Limit
		Accept. Range	0 - 15%		
Benzene	4.2776E-002	4.2905E-002	0.3%	ND	0.2
Toluene	4.8966E-002	4.9064E-002	0.2%	ND	0.2
Ethylbenzene	7.4036E-002	7.4259E-002	0.3%	ND	0.2
p,m-Xylene	6.8275E-002	6.8480E-002	0.3%	ND	0.2
o-Xylene	5.5866E-002	5.5978E-002	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	1.8
Toluene	349	342	2.0%	0 - 30%	1.7
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.5
p,m-Xylene	310	300	3.2%	0 - 30%	2.2
o-Xylene	ND	ND	0.0%	0 - 30%	1.0

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	50.0	100%	39 - 150
Toluene	349	50.0	402	101%	46 - 148
Ethylbenzene	ND	50.0	49.0	98.0%	32 - 160
p,m-Xylene	310	100	400	97.6%	46 - 148
o-Xylene	ND	50.0	53.0	106%	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 27647 and 27649.**

Analyst

Review

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

CHAIN OF CUSTODY RECORD

11789

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
Giant	Giant Rock	
Sampler: MJN	Client No. 97059-007	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	BTEX 8021	TPH 8015					Remarks
Spoil #1	1/26/04	14:55	27647	Soil	1	✓	✓					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1-26-04	1510	Christine M Walter	1/26/04	15:10
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

320-9675 call

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	✓		

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Giant	Project #:	97059-007
Sample ID:	Spoil #1	Date Reported:	01-27-04
Laboratory Number:	27647	Date Sampled:	01-26-04
Chain of Custody:	11789	Date Received:	01-26-04
Sample Matrix:	Soil	Date Analyzed:	01-27-04
Preservative:	Cool	Date Extracted:	01-27-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**1.8**
Toluene	**349**	**1.7**
Ethylbenzene	**ND**	**1.5**
p,m-Xylene	**310**	**2.2**
o-Xylene	**ND**	**1.0**
Total BTEX	**659**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**94 %**
	1,4-difluorobenzene	**94 %**
	Bromochlorobenzene	**94 %**

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: **Giant Rack.**

Christine M Walters
Analyst

Sandra R Jackson
Review

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

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	01-27-8015 QA/QC	Date Reported:	01-27-04
Laboratory Number:	27647	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-27-04
Condition:	N/A	Analysis Requested:	TPH

	ICV Date	ICV RF	CCV RF	% Difference	Accept. Range
Gasoline Range C5 - C10	04-29-03	1.8591E-002	1.8572E-002	**0.10%**	**0 - 15%**
Diesel Range C10 - C28	04-29-03	1.5507E-002	1.5492E-002	**0.10%**	**0 - 15%**

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	**ND**	**0.2**
Diesel Range C10 - C28	**ND**	**0.1**
Total Petroleum Hydrocarbons	**ND**	**0.2**

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	**0.9**	**0.9**	**0.0%**	**0 - 30%**
Diesel Range C10 - C28	**ND**	**ND**	**0.0%**	**0 - 30%**

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	**0.9**	**250**	**250**	**99.6%**	**75 - 125%**
Diesel Range C10 - C28	**ND**	**250**	**250**	**100%**	**75 - 125%**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **QA/QC for samples 27647, 27649 - 27650.**

Christine M. Walters
Analyst

Sandra R. Jackson
Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Giant	Project #:	97059-007
Sample ID:	Spoil #1	Date Reported:	01-27-04
Laboratory Number:	27647	Date Sampled:	01-26-04
Chain of Custody No:	11789	Date Received:	01-26-04
Sample Matrix:	Soil	Date Extracted:	01-27-04
Preservative:	Cool	Date Analyzed:	01-27-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**0.9**	**0.2**
Diesel Range (C10 - C28)	**ND**	**0.1**
Total Petroleum Hydrocarbons	**0.9**	**0.2**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Giant Rack.**

Christine M Walters
Analyst

Review

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

TRANSACTION REPORT

JAN-28-2004 WED 02:35 PM

FOR: GIANT TRANSPORTATION 15056324022

SEND(M)

DATE	START	RECEIVER	PAGES	TIME	NOTE	M#
JAN-28	02:31 PM	15058922587	11	3′54″	OK	75

Martyne Kieling

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

RECEIVED
AUG 01 2003
Environmental Bureau
Oil Conservation Division

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

AUG - 1 2003

Form C-138
Revised June 10, 2003

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 Giant Refining Company
	5. Originating Site Bloomfield Refinery
2. Management Facility Destination Giant Mid Continent Landfarm	6. Transporter Not Determined
3. Address of Facility Operator 111 CR 4990 Bloomfield, NM 87413	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 50 CR 4990 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:

Process Waste Water Evaporation Pond Sludge. Analysis Attached.

Estimated Volume ____1500_____cy Known Volume (to be entered by the operator at the end of the haul) _____cy

SIGNATURE _____ TITLE: __Operations Manager_____ DATE: _7/30/03____
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: ___Barry Holman_____ TELEPHONE NO. _505-632-4061_____

E-MAIL ADDRESS _____barryh@giant.com_____

080103 - 1

(This space for State Use)

APPROVED BY: _____ TITLE: Enviro/Engr DATE: 7/30/03

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 8-1-03

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Giant Refining company - Bloomfield 50 County Road 4990 Bloomfield, New Mexico 87413	Giant Mid-Contient 111 County Road 4990 Bloomfield, New Mexico 87413
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
Giant Refinery Attach list of originating sites as appropriate	50 County Road 4990 Bloomfield, New Mexico 87413
4. Source and Description of Waste	
Process Waste Water evaporation pond sludge. Sludge was removed from lined evaporation lagoon. Analytical data is attached.	

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

___ EXEMPT oilfield waste

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

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

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

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

Name (Original Signature): Cindy Hurtado

Title: Environmental Assistant

Date: July 3, 2003

Hall Environmental Analysis Laboratory

COVER LETTER

July 25, 2003

Cindy Hurtado
San Juan Refining
#50 CR 4990
Bloomfield, NM 87413
TEL: (505) 632-4161
FAX (505) 632-3911

RE: South Evap. Pond Sludge Order No.: 0307058

Dear Cindy Hurtado:

Hall Environmental Analysis Laboratory received 1 sample on 7/9/2003 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

Hall Environmental Analysis Laboratory

Date: *25-Jul-03*

CLIENT:	San Juan Refining	**Client Sample ID:**	South Evap. Pond Sludge
Lab Order:	0307058	**Tag Number:**	
Project:	South Evap. Pond Sludge	**Collection Date:**	7/8/2003 2:30:00 PM
Lab ID:	0307058-01A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES, TCLP LEACHED						Analyst: **GT**
Chlordane	ND	0.15		mg/L	1	7/23/2003 7:14:24 PM
Endrin	ND	0.10		mg/L	1	7/23/2003 7:14:24 PM
gamma-BHC (Lindane)	ND	2.0		mg/L	1	7/23/2003 7:14:24 PM
Heptachlor	ND	0.040		mg/L	1	7/23/2003 7:14:24 PM
Heptachlor epoxide	ND	0.040		mg/L	1	7/23/2003 7:14:24 PM
Methoxychlor	ND	50		mg/L	1	7/23/2003 7:14:24 PM
Toxaphene	ND	2.5		mg/L	1	7/23/2003 7:14:24 PM
Surr: Decachlorobiphenyl	87.4	64.7-119		%REC	1	7/23/2003 7:14:24 PM
Surr: Tetrachloro-m-xylene	67.0	49.2-103		%REC	1	7/23/2003 7:14:24 PM
HERBICIDES, TCLP LEACHED						Analyst: **GT**
2,4,5-TP (Silvex)	ND	1.0		mg/L	1	7/19/2003 9:07:03 AM
2,4-D	ND	10		mg/L	1	7/19/2003 9:07:03 AM
Surr: Tetrachloro-m-xylene	59.6	53.8-125		%REC	1	7/19/2003 9:07:03 AM
VOLATILES, TCLP LEACHED						Analyst: **BDH**
Benzene	ND	0.50		mg/L	1	7/19/2003
2-Butanone	ND	200		mg/L	1	7/19/2003
Carbon Tetrachloride	ND	0.50		mg/L	1	7/19/2003
Chlorobenzene	ND	100		mg/L	1	7/19/2003
Chloroform	ND	6.0		mg/L	1	7/19/2003
1,4-Dichlorobenzene	ND	7.5		mg/L	1	7/19/2003
1,2-Dichloroethane (EDC)	ND	0.50		mg/L	1	7/19/2003
1,1-Dichloroethene	ND	0.70		mg/L	1	7/19/2003
Hexachlorobutadiene	ND	0.50		mg/L	1	7/19/2003
Tetrachloroethene (PCE)	ND	0.70		mg/L	1	7/19/2003
Trichloroethene (TCE)	ND	0.50		mg/L	1	7/19/2003
Vinyl chloride	ND	0.20		mg/L	1	7/19/2003
Surr: 1,2-Dichloroethane-d4	97.6	70-130		%REC	1	7/19/2003
Surr: 4-Bromofluorobenzene	94.9	70-130		%REC	1	7/19/2003
Surr: Dibromofluoromethane	96.0	70-130		%REC	1	7/19/2003
Surr: Toluene-d8	103	70-130		%REC	1	7/19/2003
SEMIVOLATILES, TCLP LEACHED						Analyst: **CS**
2,4,5-Trichlorophenol	ND	4000		mg/L	1	7/24/2003
2,4,6-Trichlorophenol	ND	20.0		mg/L	1	7/24/2003
2,4-Dinitrotoluene	ND	1.30		mg/L	1	7/24/2003
Cresols, Total	ND	2000		mg/L	1	7/24/2003
Hexachlorobenzene	ND	1.30		mg/L	1	7/24/2003
Hexachlorobutadiene	ND	5.00		mg/L	1	7/24/2003
Hexachloroethane	ND	30.0		mg/L	1	7/24/2003
Nitrobenzene	ND	20.0		mg/L	1	7/24/2003

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Hall Environmental Analysis Laboratory

Date: *25-Jul-03*

CLIENT:	San Juan Refining	**Client Sample ID:**	South Evap. Pond Sludge
Lab Order:	0307058	**Tag Number:**	
Project:	South Evap. Pond Sludge	**Collection Date:**	7/8/2003 2:30:00 PM
Lab ID:	0307058-01A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Pentachlorophenol	ND	1000		mg/L	1	7/24/2003
Pyridine	ND	50.0		mg/L	1	7/24/2003
Surr: 2,4,6-Tribromophenol	89.6	11.4-129		%REC	1	7/24/2003
Surr: 2-Fluorobiphenyl	69.3	25.6-85.6		%REC	1	7/24/2003
Surr: 2-Fluorophenol	66.0	19.2-79.3		%REC	1	7/24/2003
Surr: 4-Terphenyl-d14	75.6	13.2-155		%REC	1	7/24/2003
Surr: Nitrobenzene-d5	74.2	27-96.4		%REC	1	7/24/2003
Surr: Phenol-d6	47.8	12.2-54.1		%REC	1	7/24/2003
MERCURY, TCLP LEACHED						Analyst: **MAP**
Mercury	ND	0.020		mg/L	1	7/23/2003
EPA METHOD 6010C: TCLP METALS						Analyst: **NMO**
Arsenic	ND	5.0		mg/L	1	7/24/2003 11:48:22 AM
Barium	ND	100		mg/L	1	7/24/2003 11:48:22 AM
Cadmium	ND	1.0		mg/L	1	7/24/2003 11:48:22 AM
Chromium	ND	5.0		mg/L	1	7/24/2003 11:48:22 AM
Lead	ND	5.0		mg/L	1	7/24/2003 11:48:22 AM
Selenium	ND	1.0		mg/L	1	7/24/2003 11:48:22 AM
Silver	ND	5.0		mg/L	1	7/24/2003 12:28:09 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Hall Environmental Analysis Laboratory

Date: *25-Jul-03*

CLIENT: San Juan Refining
Work Order: 0307058
Project: South Evap. Pond Sludge

QC SUMMARY REPORT
Method Blank

Sample ID **MB-3930** Batch ID: **3930** Test Code: **SW1311/8080** Units: **mg/L** Analysis Date **7/23/2003 5:39:33 PM** Prep Date **7/15/2003**
Client ID: Run ID: **ECD(17A)_030723A** SeqNo: **202639**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlordane	ND	0.030									
Endrin	ND	0.020									
gamma-BHC (Lindane)	ND	0.40									
Heptachlor	ND	0.0080									
Heptachlor epoxide	ND	0.0080									
Methoxychlor	ND	10									
Toxaphene	ND	0.50									
Surr: Decachlorobiphenyl	4.85	0	5	0	97.0	64.7	119	0			
Surr: Tetrachloro-m-xylene	3.23	0	5	0	64.6	49.2	103	0			

Sample ID **MB-3922** Batch ID: **3922** Test Code: **SW1311/8150** Units: **mg/L** Analysis Date **7/19/2003 7:00:52 AM** Prep Date **7/14/2003**
Client ID: Run ID: **ECD(17A)_030718A** SeqNo: **201511**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-TP (Silvex)	ND	1.0									
2,4-D	ND	10									
Surr: Tetrachloro-m-xylene	7.7	0	10	0	77.0	53.8	125	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: San Juan Refining
Work Order: 0307058
Project: South Evap. Pond Sludge

QC SUMMARY REPORT
Method Blank

Sample ID **5ml rb-b** Batch ID: **R8921** Test Code: **SW8260B** Units: **mg/L** Analysis Date **7/19/2003** Prep Date
Client ID: Run ID: **THOR_030718B** SeqNo: **201502**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.50									
2-Butanone	ND	200									
Carbon Tetrachloride	ND	0.50									
Chlorobenzene	ND	100									
Chloroform	ND	6.0									
1,4-Dichlorobenzene	ND	7.5									
1,2-Dichloroethane (EDC)	ND	0.50									
1,1-Dichloroethene	ND	0.70									
Hexachlorobutadiene	ND	0.50									
Tetrachloroethene (PCE)	ND	0.70									
Trichloroethene (TCE)	ND	0.50									
Vinyl chloride	ND	0.20									
Surr: 1,2-Dichloroethane-d4	0.01038	0	0.01	0	104	70	130	0			
Surr: 4-Bromofluorobenzene	0.009278	0	0.01	0	92.8	70	130	0			
Surr: Dibromofluoromethane	0.009928	0	0.01	0	99.3	70	130	0			
Surr: Toluene-d8	0.0101	0	0.01	0	101	70	130	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: San Juan Refining
Work Order: 0307058
Project: South Evap. Pond Sludge

QC SUMMARY REPORT
Method Blank

Sample ID **mb-3931** Batch ID: **3931** Test Code: **SW1311/8270** Units: **mg/L** Analysis Date **7/24/2003** Prep Date **7/15/2003**
Client ID: Run ID: **ELMO_030724A** SeqNo: **202867**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-Trichlorophenol	ND	400									
2,4,6-Trichlorophenol	ND	2.0									
2,4-Dinitrotoluene	ND	0.13									
Cresols, Total	ND	200									
Hexachlorobenzene	ND	0.13									
Hexachlorobutadiene	ND	0.50									
Hexachloroethane	ND	3.0									
Nitrobenzene	ND	2.0									
Pentachlorophenol	ND	100									
Pyridine	ND	5.0									
Surr: 2,4,6-Tribromophenol	153.5	0	200	0	76.8	11.4	129	0			
Surr: 2-Fluorobiphenyl	63.28	0	100	0	63.3	25.6	85.6	0			
Surr: 2-Fluorophenol	130.7	0	200	0	65.4	19.2	79.3	0			
Surr: 4-Terphenyl-d14	69.26	0	100	0	69.3	13.2	155	0			
Surr: Nitrobenzene-d5	76.52	0	100	0	76.5	27	96.4	0			
Surr: Phenol-d6	89.18	0	200	0	44.6	12.2	54.1	0			

Sample ID **MB-3984** Batch ID: **3984** Test Code: **SW7470** Units: **mg/L** Analysis Date **7/23/2003** Prep Date **7/23/2003**
Client ID: Run ID: **MI-LA254_030723A** SeqNo: **202442**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.020									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: San Juan Refining
Work Order: 0307058
Project: South Evap. Pond Sludge

QC SUMMARY REPORT
Method Blank

Sample ID **MB-3989** Batch ID: **3989** Test Code: **SW1311/6010** Units: **mg/L** Analysis Date **7/24/2003 11:29:31 AM** Prep Date **7/23/2003**
Client ID: Run ID: **ICP_030724D** SeqNo: **202729**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	5.0									
Barium	ND	100									
Cadmium	ND	1.0									
Chromium	ND	5.0									
Lead	ND	5.0									
Selenium	0.009431	1.0									J

Sample ID **MB-3989** Batch ID: **3989** Test Code: **SW1311/6010** Units: **mg/L** Analysis Date **7/24/2003 12:25:21 PM** Prep Date **7/23/2003**
Client ID: Run ID: **ICP_030724E** SeqNo: **202740**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	ND	5.0									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

Hall Environmental Analysis Laboratory

Date: *25-Jul-03*

CLIENT: San Juan Refining
Work Order: 0307058
Project: South Evap. Pond Sludge

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID **LCS-3930** Batch ID: **3930** Test Code: **SW1311/8080** Units: **mg/L** Analysis Date **7/23/2003 6:12:02 PM** Prep Date **7/15/2003**
Client ID: Run ID: **ECD(17A)_030723A** SeqNo: **202640**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endrin	0.49	0.020	0.5	0	98.0	65	108	0			
gamma-BHC (Lindane)	0.33	0.10	0.5	0	66.0	65	108	0			
Heptachlor	0.33	0.0080	0.5	0	66.0	65	108	0			
Heptachlor epoxide	0.39	0.0080	0.5	0	78.0	65	108	0			
Methoxychlor	0.5	0.40	0.5	0	100	65	108	0			

Sample ID **LCSD-3930** Batch ID: **3930** Test Code: **SW1311/8080** Units: **mg/L** Analysis Date **7/23/2003 6:43:08 PM** Prep Date **7/15/2003**
Client ID: Run ID: **ECD(17A)_030723A** SeqNo: **202641**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endrin	0.57	0.020	0.5	0	114	65	108	0.49	15.1	18	S
gamma-BHC (Lindane)	0.36	0.10	0.5	0	72.0	65	108	0.33	8.70	18	
Heptachlor	0.35	0.0080	0.5	0	70.0	65	108	0.33	5.88	18	
Heptachlor epoxide	0.44	0.0080	0.5	0	88.0	65	108	0.39	12.0	18	
Methoxychlor	0.519	0.40	0.5	0	104	65	108	0.5	3.73	18	

Sample ID **LCS-3922** Batch ID: **3922** Test Code: **SW1311/8150** Units: **mg/L** Analysis Date **7/19/2003 7:42:50 AM** Prep Date **7/14/2003**
Client ID: Run ID: **ECD(17A)_030718A** SeqNo: **201512**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-TP (Silvex)	2.18	1.0	5	0	43.6	20.6	127	0			
2,4-D	2.38	10	5	0	47.6	31.4	116	0			J

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: San Juan Refining
Work Order: 0307058
Project: South Evap. Pond Sludge

QC SUMMARY REPORT
Laboratory Control Spike Duplicate

Sample ID **LCSD-3922** Batch ID: **3922** Test Code: **SW1311/8150** Units: **mg/L** Analysis Date **7/19/2003 8:25:03 AM** Prep Date **7/14/2003**
Client ID: Run ID: **ECD(17A)_030718A** SeqNo: **201513**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-TP (Silvex)	2.28	1.0	5	0	45.6	20.6	127	2.18	4.48	23.6	
2,4-D	2.6	10	5	0	52.0	31.4	116	2.38	0	18.3	J

Sample ID **100ng lcs-b** Batch ID: **R8921** Test Code: **SW8260B** Units: **µg/L** Analysis Date **7/19/2003** Prep Date
Client ID: Run ID: **THOR_030718B** SeqNo: **201456**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.27	1.0	20	0	96.3	71.2	122	0			
Toluene	19.51	1.0	20	0	97.5	87.7	122	0			
Chlorobenzene	23.24	1.0	20	0	116	85.6	136	0			
1,1-Dichloroethene	19.95	1.0	20	0	99.7	70.7	117	0			
Trichloroethene (TCE)	19.11	1.0	20	0	95.5	76.9	130	0			

Sample ID **100ng ccv sat-b** Batch ID: **R8921** Test Code: **SW8260B** Units: **µg/L** Analysis Date **7/19/2003** Prep Date
Client ID: Run ID: **THOR_030718B** SeqNo: **201499**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	20.81	1.0	20	0	104	78.7	122	19.27	7.71	11	
Toluene	20.46	1.0	20	0	102	76	128	19.51	4.74	12.2	
Chlorobenzene	20.91	1.0	20	0	105	85.6	136	23.24	10.6	12	
1,1-Dichloroethene	21.05	1.0	20	0	105	70.7	117	19.95	5.37	19.3	
Trichloroethene (TCE)	18.97	1.0	20	0	94.9	76.9	130	19.11	0.693	15.5	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: San Juan Refining
Work Order: 0307058
Project: South Evap. Pond Sludge

QC SUMMARY REPORT
Laboratory Control Spike - generic

Sample ID **lcs-3931** Batch ID: **3931** Test Code: **SW1311/8270** Units: **mg/L** Analysis Date **7/24/2003** Prep Date **7/15/2003**
Client ID: Run ID: **ELMO_030724A** SeqNo: **202872**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-Trichlorophenol	67.9	1.0	100	0	67.9	20	73.1	0			
2,4,6-Trichlorophenol	65.3	2.0	100	0	65.3	16.2	75.1	0			
2,4-Dinitrotoluene	66.6	0.13	100	0	66.6	23.3	89.2	0			
Cresols, Total	179.9	1.0	300	0	60.0	17.5	78.8	0			
Hexachlorobenzene	76.66	0.13	100	0	76.7	39.6	128	0			
Hexachlorobutadiene	40.1	0.50	100	0	40.1	12.9	68.6	0			
Hexachloroethane	45.4	3.0	100	0	45.4	16.8	73.1	0			
Nitrobenzene	69.2	2.0	100	0	69.2	31.8	84.3	0			
Pentachlorophenol	73.14	1.0	100	0	73.1	21.9	90.1	0			

Sample ID **lcsd-3931** Batch ID: **3931** Test Code: **SW1311/8270** Units: **mg/L** Analysis Date **7/24/2003** Prep Date **7/15/2003**
Client ID: Run ID: **ELMO_030724A** SeqNo: **202875**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-Trichlorophenol	60.42	1.0	100	0	60.4	20	73.1	67.9	11.7	30	
2,4,6-Trichlorophenol	59.32	2.0	100	0	59.3	16.2	75.1	65.3	9.60	30	
2,4-Dinitrotoluene	63.06	0.13	100	0	63.1	23.3	89.2	66.6	5.46	30	
Cresols, Total	166.6	1.0	300	0	55.5	17.5	78.8	179.9	7.70	30	
Hexachlorobenzene	76.92	0.13	100	0	76.9	39.6	128	76.66	0.339	30	
Hexachlorobutadiene	34.78	0.50	100	0	34.8	12.9	68.6	40.1	14.2	30	
Hexachloroethane	40.24	3.0	100	0	40.2	16.8	73.1	45.4	12.1	30	
Nitrobenzene	60.76	2.0	100	0	60.8	31.8	84.3	69.2	13.0	30	
Pentachlorophenol	71.86	1.0	100	0	71.9	21.9	90.1	73.14	1.77	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: San Juan Refining
Work Order: 0307058
Project: South Evap. Pond Sludge

QC SUMMARY REPORT
Laboratory Control Spike - generic

Sample ID **LCS-3984**	Batch ID: **3984**	Test Code: **SW7470**	Units: **mg/L**	Analysis Date **7/23/2003**	Prep Date **7/23/2003**
Client ID:		Run ID: **MI-LA254_030723A**		SeqNo: **202443**	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00471	0.020	0.005	0	94.2	80	120	0			J

Sample ID **LCSD-3984**	Batch ID: **3984**	Test Code: **SW7470**	Units: **mg/L**	Analysis Date **7/23/2003**	Prep Date **7/23/2003**
Client ID:		Run ID: **MI-LA254_030723A**		SeqNo: **202444**	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.0054	0.020	0.005	0	108	80	120	0			J

Sample ID **LCS-3989**	Batch ID: **3989**	Test Code: **SW1311/6010**	Units: **mg/L**	Analysis Date **7/24/2003 11:33:41 AM**	Prep Date **7/23/2003**
Client ID:		Run ID: **ICP_030724D**		SeqNo: **202730**	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.4685	0.30	0.5	0	93.7	80	120	0			
Barium	0.4748	0.30	0.5	0	95.0	80	120	0			
Cadmium	0.4444	0.30	0.5	0	88.9	80	120	0			
Chromium	0.4757	0.30	0.5	0	95.1	80	120	0			
Lead	0.467	0.30	0.5	0	93.4	80	120	0			
Selenium	0.4578	0.30	0.5	0.009431	89.7	80	120	0			

Sample ID **LCS-3989**	Batch ID: **3989**	Test Code: **SW1311/6010**	Units: **mg/L**	Analysis Date **7/24/2003 12:26:13 PM**	Prep Date **7/23/2003**
Client ID:		Run ID: **ICP_030724E**		SeqNo: **202741**	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	0.4695	0.30	0.5	0	93.9	80	120	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

Hall Environmental Analysis Laboratory

Sample Receipt Checklist

Client Name **SJR** Date and Time Receive

Work Order Number **0307058** Received by AMG

Checklist completed by A Gonzales 7/9/03
Signature Date

Matrix: Carrier name: UPS

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑	
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	
Container/Temp Blank temperature?	7°	*4° C ± 2 Acceptable*		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

CHAIN-OF-CUSTODY RECORD

HALL ENVIRONMENTAL ANALYSIS LABORATORY
4901 Hawkins NE, Suite D
Albuquerque, New Mexico 87109
Tel. 505.345-3975 Fax 505.345.4107
www.hallenvironmental.com

Client: San Juan Refining
Project Name: South Evap. Pond Sludge
Address: #50 CR 4990
Project #:
Bloomfield, NM 87413
Project Manager:
Phone #: 505-632-4161
Sampler: Cindy Hurtado
Fax #: 505-632-3911
Samples Cold?: ☐ Yes ☐ No 7.0

Date	Time	Matrix	Sample I.D. No.	Number/Volume	Preservative $HgCl_2$	Preservative HCl	Preservative	HEAL No.
7-08-03	2:30pm	Solid	South Evap Pond Sludge	4-4oz jars				0307058 1

ANALYSIS REQUEST

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gasoline Only)	TPH Method 8015B MOD (Gas/Diesel)	TPH (Method 418.1)	Volatiles Full List (8021)	EDB (Method 504.1)	EDC (Method 8021)	8310 (PNA or PAH)	RCRA 8 Metals	Cations (Na, K, Ca, Mg)	Anions (F, Cl, NO_3, NO_2, PO_4, SO_4)	8081 Pesticides / PCB's (8082)	8260 (VOA)	8270 (Semi-VOA)	Complete TCLP		Air Bubbles or Headspace (Y or N)
														X		

Date	Time	Relinquished By: (Signature)	Received By: (Signature)
7-08-03	5:15pm	Cindy Hurtado	[signature] 7/9/03
Date:	Time:	Relinquished By: (Signature)	Received By: (Signature) 0953

Remarks:

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED
JUL 28 2003
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

1. RCRA Exempt: ☐ Non-Exempt: ☒ DSF 7/09/03 Verbal Approval Received: Yes ☒ No ☐	4. Generator Ciniza Pipeline 5. Originating Site Ciniza Pipeline Apache Station
2. Management Facility Destination Giant Mid-Continent	6. Transporter Giant Transportation
3. Address of Facility Operator 111 CR 4990 Bloomfield, NM 87413	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 25N 6W 33SE	

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:

Sump of pump packing and proving loops overfilled and ran over about one (1) barrel of Crude Oil onto the ground.

JUL 2003
RECEIVED
OIL CONS. DIV.
DIST. 3

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

SIGNATURE Barry Holman
Waste Management Facility Authorized Agent

TITLE: ~~Operations Manager~~

DATE: ~~7/9/03~~

TYPE OR PRINT NAME: Barry Holman

TELEPHONE NO. (505) 632-4061

072803-1

(This space for State Use)

APPROVED BY: Denny Foust TITLE: Enviro/Engr DATE: 07/09/03

APPROVED BY: Martyn J. Kelly TITLE: Environmental Geologist DATE: 07/28/03

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Giant Ciniza Pipeline 111 CR 4990 Bloomfield, NM 87413	Giant Mid-Continent Landfarm
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
Ciniza Pipeline Apache Station Attach list of originating sites as appropriate	25N 06W 33SE
4. Source and Description of Waste	
Sump for pump packing and proving loops overfilled and ran over about one (1) barrel of Crude Oil onto the ground.	

I, Roy Armenta (Print Name) representative for: Giant Ciniza Pipeline 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

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

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

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

___ MSDS Information
___ RCRA Hazardous Waste Analysis
___ Chain of Custody
XX Other (description): Knowledge of Process (Attached)

Name (Original Signature): Roy Armenta

Title: Pipeline Manager

Date: 7/9/03

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

July 29, 1998

CERTIFIED MAIL
RETURN RECEIPT NO. Z-357-869-974

Mr. Barry G. Holman
Safety and Environmental Manager
Giant Transportation
111 CR 4990
Bloomfield, New Mexico 87413

RE: CRUDE OIL PIPELINE SPILLS

Dear Mr. Townsend:

The New Mexico Oil Conservation Division (OCD) has reviewed the Giant Transportation (Giant) July 20, 1998, correspondence which presents the results of representative RCRA hazardous waste characteristic sampling of contaminated soils from pipeline related spills of crude oil. Giant requests that they be allowed to use these analyses and a statement of process knowledge for determining the soils to be RCRA non-hazardous during future crude oil pipeline spill remediations. These analyses are to be used in lieu of individual sampling of each spill event.

The above referenced request is approved with the following conditions:

1. The above representative analyses can be used in lieu of individual sampling of each spill event until further notice.

2. Giant will reference the above waste determination in all future RCRA non-exempt crude oil spill reports to the OCD.

3. Giant will notify the OCD within 24 hours of any system changes which could potentially alter the composition of any spilled crude such that RCRA hazardous waste characteristics in the spill area could be exceeded.

Please be advised that OCD approval does not relieve Giant of liability should these types of leaks and spills result in contamination of surface waters, ground waters or the environment. In addition, OCD approval does not relieve Giant of responsibility for compliance with any other federal, state or local laws and/or regulations. If you have questions please contact me at (505) 827-7152.

Sincerely,

Roger C. Anderson
Environmental Bureau Chief

xc: OCD Aztec District Office
NMED Hazardous and Radioactive Waste Bureau

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
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 ☐ Denny Foust	4. Generator Giant Industries, Inc. 5. Originating Site Ciniza Pipe Line Company's West Line
2. Management Facility Destination Giant Mid-Continent, Inc.'s Land Farm	6. Transporter Giant Industries, Inc.
3. Address of Facility Operator 111 County Road 4990 Bloomfield, NM 87413	8. State New Mexico
7. Location of Material (Street Address or ULSTR) Sec. 4 T22N R14W	

9. Circle One:

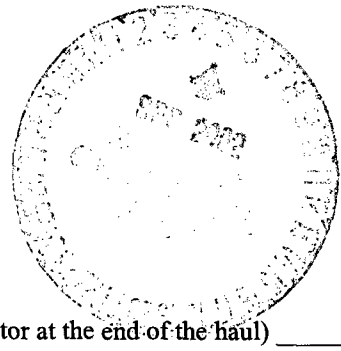
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.

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

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

BRIEF DESCRIPTION OF MATERIAL:

Petroleum-impacted soil from pipeline leak



Estimated Volume 800 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Gary Winn TITLE: Safety & Environmental Manager DATE: 8-28-02
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Gary Winn TELEPHONE NO. (505) 632-4077

GWinn@Giant.Com

09102-1

(This space for State Use)

APPROVED BY: Denny Foust TITLE: Envro/Engr DATE: 9/10/2002

APPROVED BY: Wayne Price TITLE: Environmental Geologist DATE: 9/11/02

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Giant Industries, Inc. 111 County Road 4990 Bloomfield, NM 87413	2. Destination Name: Giant Mid-Continent, Inc. Land Farm San Juan County, New Mexico
3. Originating Site (Name): Ciniza Pipe Line Company's West Line Attach list of originating sites as appropriate.	Location of the Waste (Street address &/or ULSTR): Sec. 4 T22N R14W
4. Source and Description of Waste: Source: Pipeline Leak Waste: Petroleum-impacted soil	

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

☐ EXEMPT oilfield waste

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

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

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

☐ MSDS Information
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

☒ Other (description):
Knowledge of process letter

Name (Original Signature): Tim Kinney

Title: General Manager, Transportation

Date: 8/28/02

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

July 29, 1998

CERTIFIED MAIL
RETURN RECEIPT NO. Z-357-869-974

Mr. Barry G. Holman
Safety and Environmental Manager
Giant Transportation
111 CR 4990
Bloomfield, New Mexico 87413

RE: CRUDE OIL PIPELINE SPILLS

Dear Mr. Townsend:

The New Mexico Oil Conservation Division (OCD) has reviewed the Giant Transportation (Giant) July 20, 1998, correspondence which presents the results of representative RCRA hazardous waste characteristic sampling of contaminated soils from pipeline related spills of crude oil. Giant requests that they be allowed to use these analyses and a statement of process knowledge for determining the soils to be RCRA non-hazardous during future crude oil pipeline spill remediations. These analyses are to be used in lieu of individual sampling of each spill event.

The above referenced request is approved with the following conditions:

1. The above representative analyses can be used in lieu of individual sampling of each spill event until further notice.

2. Giant will reference the above waste determination in all future RCRA non-exempt crude oil spill reports to the OCD.

3. Giant will notify the OCD within 24 hours of any system changes which could potentially alter the composition of any spilled crude such that RCRA hazardous waste characteristics in the spill area could be exceeded.

Please be advised that OCD approval does not relieve Giant of liability should these types of leaks and spills result in contamination of surface waters, ground waters or the environment. In addition, OCD approval does not relieve Giant of responsibility for compliance with any other federal, state or local laws and/or regulations. If you have questions please contact me at (505) 827-7152.

Sincerely,

Roger C. Anderson
Environmental Bureau Chief

xc: OCD Aztec District Office
NMED Hazardous and Radioactive Waste Bureau

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED
MAY 14 2002
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

	4. Generator Giant Industries, Inc.
1. RCRA Exempt: ☐ Non-Exempt: ☒ ☐Verbal Approval Received: Yes ☒ No ☐ Steve Hayden	5. Originating Site Ciniza Pipe Line Company's West Line at pipeline mile marker #24
2. Management Facility Destination Giant Mid-Continent, Inc.'s Land Farm	6. Transporter Giant Industries, Inc.
3. Address of Facility Operator 111 County Road 4990 Bloomfield, NM 87413	8. State New Mexico
7. Location of Material (Street Address or ULSTR) SW Sec. 33 T23N R14W	

9. Circle One:

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

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

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

BRIEF DESCRIPTION OF MATERIAL:

Petroleum-impacted soil from pipeline leak

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

SIGNATURE _____ TITLE: Safety & Environmental Manager DATE: _____
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Gary Winn TELEPHONE NO. (505) 632-4077

1-20115 0

(This space for State Use)

APPROVED BY: _____ TITLE: Envirg/Engr DATE: 5/13/02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 5/14/02

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Giant Industries, Inc. 111 County Road 4990 Bloomfield, NM 87413	2. Destination Name: Giant Mid-Continent, Inc. Land Farm San Juan County, New Mexico
3. Originating Site (Name): Ciniza Pipe Line Company's West Line at R-24 mile marker Attach list of originating sites as appropriate.	Location of the Waste (Street address &/or ULSTR): SW Sec. 33 T23N R14W
4. Source and Description of Waste: Source: Pipeline Leak Waste: Petroleum-impacted soil	

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

☐ EXEMPT oilfield waste

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

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

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

☐ MSDS Information
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

☒ Other (description):
Knowledge of process letter

Name (Original Signature): Tim Kinney
Title: General Manager, Transportation
Date: 4/30/02

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

July 29, 1998

CERTIFIED MAIL
RETURN RECEIPT NO. Z-357-869-974

Mr. Barry G. Holman
Safety and Environmental Manager
Giant Transportation
111 CR 4990
Bloomfield, New Mexico 87413

RE: CRUDE OIL PIPELINE SPILLS

Dear Mr. Townsend:

The New Mexico Oil Conservation Division (OCD) has reviewed the Giant Transportation (Giant) July 20, 1998, correspondence which presents the results of representative RCRA hazardous waste characteristic sampling of contaminated soils from pipeline related spills of crude oil. Giant requests that they be allowed to use these analyses and a statement of process knowledge for determining the soils to be RCRA non-hazardous during future crude oil pipeline spill remediations. These analyses are to be used in lieu of individual sampling of each spill event.

The above referenced request is approved with the following conditions:

1. The above representative analyses can be used in lieu of individual sampling of each spill event until further notice.

2. Giant will reference the above waste determination in all future RCRA non-exempt crude oil spill reports to the OCD.

3. Giant will notify the OCD within 24 hours of any system changes which could potentially alter the composition of any spilled crude such that RCRA hazardous waste characteristics in the spill area could be exceeded.

Please be advised that OCD approval does not relieve Giant of liability should these types of leaks and spills result in contamination of surface waters, ground waters or the environment. In addition, OCD approval does not relieve Giant of responsibility for compliance with any other federal, state or local laws and/or regulations. If you have questions please contact me at (505) 827-7152.

Sincerely,

Roger C. Anderson
Environmental Bureau Chief

xc: OCD Aztec District Office
NMED Hazardous and Radioactive Waste Bureau

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 Ciniza Pipe Line
	5. Originating Site Star Lake Station
2. Management Facility Destination Giant Mid-Continent, Inc. Land Farm	6. Transporter Giant Transportation
3. Address of Facility Operator 111 CR 4990 Bloomfield, NM 87413	8. State NM
7. Location of Material (Street Address or ULSTR) Sec. 19 T21N R7W	

9. Circle One:

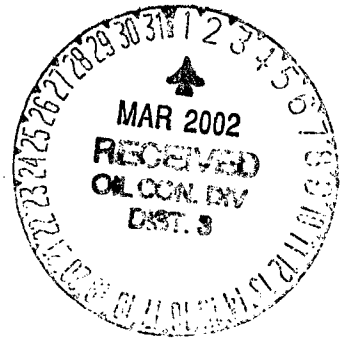
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.

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:

Approximately 45 cubic yards of petroleum-impacted soil



Estimated Volume 45 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE _____ TITLE: Safety & Env. Mgr. DATE: 2/27/02
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Gary Winn TELEPHONE NO. (505) 632-4077

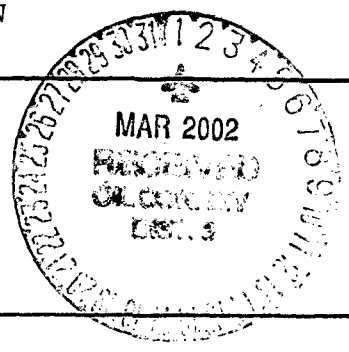
(This space for State Use)

APPROVED BY: _____ TITLE: Enviro/Engr DATE: 03/01/02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 03/05/02

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Ciniza Pipe Line 111 County Road 4990 Bloomfield, NM 87413	Giant Mid-Continent, Inc. Land Farm
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
Star Lake Station **Attach list of originating sites as appropriate**	Sec. 19 T21N R7W
4. Source and Description of Waste Petroleum leak from Star Lake Station tank Petroleum-impacted soil from spill	



I, Tim Kinney (Print Name) representative for:

Giant Industries, 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

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

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

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

___ MSDS Information
___ RCRA Hazardous Waste Analysis
___ Chain of Custody
___ Other (description):
XX Knowledge of process letter attached

Name (Original Signature): Tim Kinney

Title: General Manager

Date: 2/27/02

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

July 29, 1998

CERTIFIED MAIL
RETURN RECEIPT NO. Z-357-869-974

Mr. Barry G. Holman
Safety and Environmental Manager
Giant Transportation
111 CR 4990
Bloomfield, New Mexico 87413

RE: CRUDE OIL PIPELINE SPILLS

Dear Mr. Townsend:

The New Mexico Oil Conservation Division (OCD) has reviewed the Giant Transportation (Giant) July 20, 1998, correspondence which presents the results of representative RCRA hazardous waste characteristic sampling of contaminated soils from pipeline related spills of crude oil. Giant requests that they be allowed to use these analyses and a statement of process knowledge for determining the soils to be RCRA non-hazardous during future crude oil pipeline spill remediations. These analyses are to be used in lieu of individual sampling of each spill event.

The above referenced request is approved with the following conditions:

1. The above representative analyses can be used in lieu of individual sampling of each spill event until further notice.

2. Giant will reference the above waste determination in all future RCRA non-exempt crude oil spill reports to the OCD.

3. Giant will notify the OCD within 24 hours of any system changes which could potentially alter the composition of any spilled crude such that RCRA hazardous waste characteristics in the spill area could be exceeded.

Please be advised that OCD approval does not relieve Giant of liability should these types of leaks and spills result in contamination of surface waters, ground waters or the environment. In addition, OCD approval does not relieve Giant of responsibility for compliance with any other federal, state or local laws and/or regulations. If you have questions please contact me at (505) 827-7152.

Sincerely,

Roger C. Anderson
Environmental Bureau Chief

xc: OCD Aztec District Office
NMED Hazardous and Radioactive Waste Bureau

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
FEB 12 2002
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

1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☒ No ☐ (Denny Foust)	4. Generator Giant Industries, Inc. 5. Originating Site Star Lake Station
2. Management Facility Destination Giant Mid-Continent, Inc. Land Farm	6. Transporter Giant Transportation
3. Address of Facility Operator 111 County Road 4990 Bloomfield, NM 87413	8. State NM
7. Location of Material (Street Address or ULSTR) Sec. 19-T21N-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:

A suction nipple failed due to metal fatigue on the suction header at Star Lake Station, which resulted in a 20 barrel crude oil spill.

JAN 2002
RECEIVED
OIL CON. DIV
DIST. 3

Estimated Volume 58 cy Known Volume (to be entered by the operator at the end of the haul) 58 cy

SIGNATURE _____ TITLE: Safety & Env. Manager DATE: 12/17/01
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Gary Winn TELEPHONE NO. 505-632-4077

(This space for State Use)

APPROVED BY: Denny Foust TITLE: Enviro/Engr DATE: 1/18/02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 2/12/02

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Giant Industries, Inc.	Giant Mid-Continent, Inc. Land Farm
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
Star Lake Station Attach list of originating sites as appropriate	Section 19-T21N-R7W

4. Source and Description of Waste

Fifty-eight total yards of crude oil-contaminated soil from a spill at Star Lake Station.

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

___ **EXEMPT** oilfield waste

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

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

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

___ MSDS Information
___ RCRA Hazardous Waste Analysis
___ Chain of Custody
_X_ Other (description): State-authorized letter attached

Name (Original Signature): Tim Kinney

Title: General Manager

Date: 12/12/01

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

July 29, 1998

CERTIFIED MAIL
RETURN RECEIPT NO. Z-357-869-974

Mr. Barry G. Holman
Safety and Environmental Manager
Giant Transportation
111 CR 4990
Bloomfield, New Mexico 87413

RE: CRUDE OIL PIPELINE SPILLS

Dear Mr. Townsend:

The New Mexico Oil Conservation Division (OCD) has reviewed the Giant Transportation (Giant) July 20, 1998, correspondence which presents the results of representative RCRA hazardous waste characteristic sampling of contaminated soils from pipeline related spills of crude oil. Giant requests that they be allowed to use these analyses and a statement of process knowledge for determining the soils to be RCRA non-hazardous during future crude oil pipeline spill remediations. These analyses are to be used in lieu of individual sampling of each spill event.

The above referenced request is approved with the following conditions:

1. The above representative analyses can be used in lieu of individual sampling of each spill event until further notice.

2. Giant will reference the above waste determination in all future RCRA non-exempt crude oil spill reports to the OCD.

3. Giant will notify the OCD within 24 hours of any system changes which could potentially alter the composition of any spilled crude such that RCRA hazardous waste characteristics in the spill area could be exceeded.

Please be advised that OCD approval does not relieve Giant of liability should these types of leaks and spills result in contamination of surface waters, ground waters or the environment. In addition, OCD approval does not relieve Giant of responsibility for compliance with any other federal, state or local laws and/or regulations. If you have questions please contact me at (505) 827-7152.

Sincerely,

Roger C. Anderson
Environmental Bureau Chief

xc: OCD Aztec District Office
NMED Hazardous and Radioactive Waste Bureau

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 ☐ Denny Foust	4. Generator Giant Pipeline Company 5. Originating Site Aneth Gathering Station
2. Management Facility Destination Giant Mid-Continent, Inc. Land Farm	6. Transporter Giant Transportation
3. Address of Facility Operator 111 CR 4990 Bloomfield, NM 87413	8. State New Mexico
7. Location of Material (Street Address or ULSTR) Sec. 32 T40S R23E San Juan County, Utah	

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:

100 cubic yards of petroleum-impacted soil from a safety relief valve failure which resulted in a crude oil spill

JAN 2002
RECEIVED
OIL CON. DIV
DIST. 3

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

SIGNATURE _____ TITLE: Safety & Environmental Mgr DATE: 1-17-02
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Gary Winn TELEPHONE NO. (505) 632-4077

(This space for State Use)

APPROVED BY: Denny Foust TITLE: Enviro / Engr DATE: 1/18/02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 02/11/02

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Giant Pipeline Company 111 CR 4990 Bloomfield, NM 87413	Giant Mid-Continent, Inc. Land Farm
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
Aneth Gathering Station Attach list of originating sites as appropriate	Sec. 32 T40S R23E
4. Source and Description of Waste	
100 cubic yards of petroleum-impacted soil from a safety relief valve failure which resulted in a crude oil spill	

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

___ **EXEMPT** oilfield waste

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

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

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

___ MSDS Information
___ RCRA Hazardous Waste Analysis
___ Chain of Custody
___ Other (description):
XX Knowledge of process letter attached

Name (Original Signature): Tim Kinney

Title: General Manager

Date: 1/17/02

GIANT
INDUSTRIES, INC.
SAN JUAN REGIONAL OFFICE

January 16, 2002

CERTIFIED MAIL #7001 0320 0001 1628 4669

Ms. Arlene Luther
Navajo Nation Environmental Protection Agency
P.O. Box 308
Window Rock, AZ 86515

Dear Ms. Luther:

On January 12, 2002 Giant experienced the accidental release of approximately 100 barrels of crude oil at the Giant Pipeline Station in Montezuma Creek, Utah (former ARCO facility). The oil was released from a tank into a containment area. Approximately 80 barrels of oil was recovered.

With this letter, Giant requests permission to proceed with remediation of impacted soil by removing it and transporting it to Giant's NMOCD approved landfarm located south of Bloomfield, New Mexico.

Please call me with any questions at (505) 632-4001.

Sincerely,

Tim Kinney
General Manager Pipeline

/dm

PHONE
505-632-8006
FAX
505-632-4021

111 COUNTY
ROAD 4990
BLOOMFIELD
NEW MEXICO
87413

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

July 29, 1998

CERTIFIED MAIL
RETURN RECEIPT NO. Z-357-869-974

Mr. Barry G. Holman
Safety and Environmental Manager
Giant Transportation
111 CR 4990
Bloomfield, New Mexico 87413

RE: CRUDE OIL PIPELINE SPILLS

Dear Mr. Townsend:

The New Mexico Oil Conservation Division (OCD) has reviewed the Giant Transportation (Giant) July 20, 1998, correspondence which presents the results of representative RCRA hazardous waste characteristic sampling of contaminated soils from pipeline related spills of crude oil. Giant requests that they be allowed to use these analyses and a statement of process knowledge for determining the soils to be RCRA non-hazardous during future crude oil pipeline spill remediations. These analyses are to be used in lieu of individual sampling of each spill event.

The above referenced request is approved with the following conditions:

1. The above representative analyses can be used in lieu of individual sampling of each spill event until further notice.

2. Giant will reference the above waste determination in all future RCRA non-exempt crude oil spill reports to the OCD.

3. Giant will notify the OCD within 24 hours of any system changes which could potentially alter the composition of any spilled crude such that RCRA hazardous waste characteristics in the spill area could be exceeded.

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

1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☒ No ☐	4. Generator Giant Industries, Inc. 5. Originating Site Hospah Pump Station
2. Management Facility Destination Giant Mid-Continent, Inc. Land Farm	6. Transporter Giant Transportation
3. Address of Facility Operator 111 CR 4990 Bloomfield, NM. 87413	8. State New Mexico
7. Location of Material (Street Address or ULSTR) Unit G, Sec.1, T17N, 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:
Petroleum- contaminated soil from Hospah Pump Station in McKinley County, NM.

JUN 2001
RECEIVED
OIL CON. DIV
DIST. 3

Estimated Volume 4 - 6 cy Known Volume (to be entered by the operator at the end of the haul) 10 cy

SIGNATURE Gary Winn TITLE: Safety/Environmental Mgr. DATE: 5/29/01
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Gary Winn TELEPHONE NO. (505)632-4077

(This space for State Use)

APPROVED BY: Denny Foust TITLE: Geologist DATE: 6/19/01

APPROVED BY: Martyne J. Kelly TITLE: Environmental Geologist DATE: 7-2-01

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Giant Industries, Inc. 111 CR 4990 Bloomfield, NM. 87413	Giant Mid-Continent, Inc. Land Farm
3. Originating Site (name): Hospah Pump Station McKinley County, NM. **Attach list of originating sites as appropriate**	**Location of the Waste (Street address &/or ULSTR):** Unit G, Sec.1, T17N, R9W
4. Source and Description of Waste Petroleum- contaminated soil from Hospah Pump Station in McKinley County, NM.	

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

___ **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Tim Kinney

Title: General Manager

Date: 5/29/01

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

July 29, 1998

CERTIFIED MAIL
RETURN RECEIPT NO. Z-357-869-974

Mr. Barry G. Holman
Safety and Environmental Manager
Giant Transportation
111 CR 4990
Bloomfield, New Mexico 87413

RE: CRUDE OIL PIPELINE SPILLS

Dear Mr. Townsend:

The New Mexico Oil Conservation Division (OCD) has reviewed the Giant Transportation (Giant) July 20, 1998, correspondence which presents the results of representative RCRA hazardous waste characteristic sampling of contaminated soils from pipeline related spills of crude oil. Giant requests that they be allowed to use these analyses and a statement of process knowledge for determining the soils to be RCRA non-hazardous during future crude oil pipeline spill remediations. These analyses are to be used in lieu of individual sampling of each spill event.

The above referenced request is approved with the following conditions:

1. The above representative analyses can be used in lieu of individual sampling of each spill event until further notice.

2. Giant will reference the above waste determination in all future RCRA non-exempt crude oil spill reports to the OCD.

3. Giant will notify the OCD within 24 hours of any system changes which could potentially alter the composition of any spilled crude such that RCRA hazardous waste characteristics in the spill area could be exceeded.

Please be advised that OCD approval does not relieve Giant of liability should these types of leaks and spills result in contamination of surface waters, ground waters or the environment. In addition, OCD approval does not relieve Giant of responsibility for compliance with any other federal, state or local laws and/or regulations. If you have questions please contact me at (505) 827-7152.

Sincerely,

Roger C. Anderson
Environmental Bureau Chief

xc: OCD Aztec District Office
NMED Hazardous and Radioactive Waste Bureau

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 Giant Industries, Inc. 5. Originating Site Questar Cut Throat B
2. Management Facility Destination Giant Mid-Continent Land Farm	6. Transporter Giant Transportation
3. Address of Facility Operator 111 County Road 4990 Bloomfield, NM 87413	8. State New Mexico
7. Location of Material (Street Address or ULSTR) Sec 26 T37N R19W	

9. Circle One:

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

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

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

BRIEF DESCRIPTION OF MATERIAL:
Petroleum contaminated soil from the Questar Cut Throat B Battery in Dolores County, Colorado.

MAY 2001
RECEIVED
OIL CON. DIV
DIST. 3

Estimated Volume 4 cy Known Volume (to be entered by the operator at the end of the haul) 7 cy

SIGNATURE Gary Winn
Waste Management Facility Authorized Agent
TITLE: Safety/Environmental Mngr. DATE:

TYPE OR PRINT NAME: Gary Winn TELEPHONE NO. 505-632-4077

(This space for State Use)

APPROVED BY: Denny Foust TITLE: Geologist DATE: 5/21/01

APPROVED BY: Martyne J. Kieling TITLE: Environmental Geologist DATE: 5/24/01

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Giant Industries, Inc.	Giant Mid-Continent, Inc. Land Farm
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
Questar Cut Throat B Tank Battery Dolores County, Colorado	Sec 26 T37N R19W
Attach list of originating sites as appropriate	

4. Source and Description of Waste
Petroleum contaminated soil from the Questar Cut Throat B Battery in Dolores County, Colorado.

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

___ **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Tim Kinney

Title: General Manager

Date: 4/30/01

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

July 29, 1998

CERTIFIED MAIL
RETURN RECEIPT NO. Z-357-869-974

Mr. Barry G. Holman
Safety and Environmental Manager
Giant Transportation
111 CR 4990
Bloomfield, New Mexico 87413

RE: CRUDE OIL PIPELINE SPILLS

Dear Mr. Townsend:

The New Mexico Oil Conservation Division (OCD) has reviewed the Giant Transportation (Giant) July 20, 1998, correspondence which presents the results of representative RCRA hazardous waste characteristic sampling of contaminated soils from pipeline related spills of crude oil. Giant requests that they be allowed to use these analyses and a statement of process knowledge for determining the soils to be RCRA non-hazardous during future crude oil pipeline spill remediations. These analyses are to be used in lieu of individual sampling of each spill event.

The above referenced request is approved with the following conditions:

1. The above representative analyses can be used in lieu of individual sampling of each spill event until further notice.

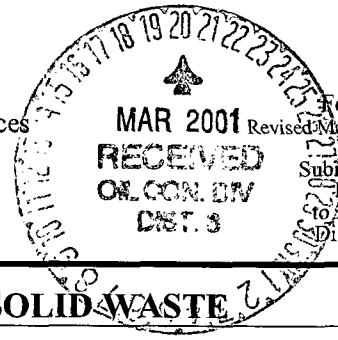
2. Giant will reference the above waste determination in all future RCRA non-exempt crude oil spill reports to the OCD.

3. Giant will notify the OCD within 24 hours of any system changes which could potentially alter the composition of any spilled crude such that RCRA hazardous waste characteristics in the spill area could be exceeded.

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
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
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 Giant Transportation
	5. Originating Site Colorado
2. Management Facility Destination Giant Mid-Continent Landfarm	6. Transporter Giant Transportation
3. Address of Facility Operator 111 CR 4990 Bloomfield,	8. State New Mexico
7. Location of Material (Street Address or ULSTR) Giant Mid-Continent Landfarm	

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 (Knowledge of Process Attached)

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

BRIEF DESCRIPTION OF MATERIAL: 16 total yards of petroleum contaminated soil from truck/trailer rollover. The product was light natural.

The Colorado State Patrol Hazardous Material Section gave us permission to remove the contaminated soil from Colorado to New Mexico. The Officer's name and phone number is listed below.

Blayne Smith Trooper
(970) 564-1246

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

SIGNATURE Barry Holman TITLE: Environmental Manger DATE: 3/19/01
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Barry Holman TELEPHONE NO. (505) 632-4168

(This space for State Use)

APPROVED BY: Denny Foust TITLE: Geologist DATE: 3/20/01

APPROVED BY: Martyne J. Kelly TITLE: Environmental Geologist DATE: 3/21/01

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Giant Transportation 111 CR 4990 Bloomfield, New Mexico 87413	**2. Destination Name:** Giant Mid Continent Landfarm
3. Originating Site (name): Colorado **Attach list of originating sites as appropriate**	**Location of the Waste (Street address &/or ULSTR):** Giant Mid Continent Landfarm
4. Source and Description of Waste 16 Total yards of petroleum contaminated soil from Truck/trailer rollover. The product was light natural. The release of soil was given by Trooper Blayne Smith, Phone number is (970) 564-1246	

I, Gary Winn representative for:
(Print Name)
Giant Transportation 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

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

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

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

___ MSDS Information
___ RCRA Hazardous Waste Analysis
___ Chain of Custody
XX Other (description):
Knowledge of Process Attached

Name (Original Signature): Gary Winn

Title: Safety and Environmental Manager

Date: 3/19/01

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

July 29, 1998

CERTIFIED MAIL
RETURN RECEIPT NO. Z-357-869-974

Mr. Barry G. Holman
Safety and Environmental Manager
Giant Transportation
111 CR 4990
Bloomfield, New Mexico 87413

RE: CRUDE OIL PIPELINE SPILLS

Dear Mr. Townsend:

The New Mexico Oil Conservation Division (OCD) has reviewed the Giant Transportation (Giant) July 20, 1998, correspondence which presents the results of representative RCRA hazardous waste characteristic sampling of contaminated soils from pipeline related spills of crude oil. Giant requests that they be allowed to use these analyses and a statement of process knowledge for determining the soils to be RCRA non-hazardous during future crude oil pipeline spill remediations. These analyses are to be used in lieu of individual sampling of each spill event.

The above referenced request is approved with the following conditions:

1. The above representative analyses can be used in lieu of individual sampling of each spill event until further notice.

2. Giant will reference the above waste determination in all future RCRA non-exempt crude oil spill reports to the OCD.

3. Giant will notify the OCD within 24 hours of any system changes which could potentially alter the composition of any spilled crude such that RCRA hazardous waste characteristics in the spill area could be exceeded.

Please be advised that OCD approval does not relieve Giant of liability should these types of leaks and spills result in contamination of surface waters, ground waters or the environment. In addition, OCD approval does not relieve Giant of responsibility for compliance with any other federal, state or local laws and/or regulations. If you have questions please contact me at (505) 827-7152.

Sincerely,

Roger C. Anderson
Environmental Bureau Chief

xc: OCD Aztec District Office
NMED Hazardous and Radioactive Waste Bureau

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 ☒ 2/20/01 Dgt No ☐	4. Generator Giant Industries, Inc.
	5. Originating Site Apache Station
2. Management Facility Destination J-16-25N-12W Giant Mid-Continent, Inc.	6. Transporter Giant Industries, Inc.
3. Address of Facility Operator 111 CR 4990 Bloomfield, NM 87413	8. State New Mexico
7. Location of Material (Street Address or ULSTR) Apache Station ~~I-33-25N-06W~~	

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:

Crude oil-contaminated soil from seal pot spill at Apache Station

Estimated Volume 22 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Gary Winn TITLE: Safety/Environmental Manager DATE: 2/20/01
*Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: GARY WINN TELEPHONE NO. 505 632-4077

(This space for State Use)

APPROVED BY: Denny Foust TITLE: Geologist DATE: 2/22/01

APPROVED BY: Martyne J. Kieling TITLE: Environmental Geologist DATE: 2/28/01

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Giant Industries, Inc.	Giant Mid-Continent, Inc. Landfarm
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
Apache Station	Apache Station I-33-25N-6W
Attach list of originating sites as appropriate	
4. Source and Description of Waste	
Crude oil-contaminated soil from seal pot spill	

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

___ **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Tim Kinney

Title: General Manager

Date: 2/21/01

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

July 29, 1998

CERTIFIED MAIL
RETURN RECEIPT NO. Z-357-869-974

Mr. Barry G. Holman
Safety and Environmental Manager
Giant Transportation
111 CR 4990
Bloomfield, New Mexico 87413

RE: CRUDE OIL PIPELINE SPILLS

Dear Mr. Townsend:

The New Mexico Oil Conservation Division (OCD) has reviewed the Giant Transportation (Giant) July 20, 1998, correspondence which presents the results of representative RCRA hazardous waste characteristic sampling of contaminated soils from pipeline related spills of crude oil. Giant requests that they be allowed to use these analyses and a statement of process knowledge for determining the soils to be RCRA non-hazardous during future crude oil pipeline spill remediations. These analyses are to be used in lieu of individual sampling of each spill event.

The above referenced request is approved with the following conditions:

1. The above representative analyses can be used in lieu of individual sampling of each spill event until further notice.

2. Giant will reference the above waste determination in all future RCRA non-exempt crude oil spill reports to the OCD.

3. Giant will notify the OCD within 24 hours of any system changes which could potentially alter the composition of any spilled crude such that RCRA hazardous waste characteristics in the spill area could be exceeded.

Please be advised that OCD approval does not relieve Giant of liability should these types of leaks and spills result in contamination of surface waters, ground waters or the environment. In addition, OCD approval does not relieve Giant of responsibility for compliance with any other federal, state or local laws and/or regulations. If you have questions please contact me at (505) 827-7152.

Sincerely,

Roger C. Anderson
Environmental Bureau Chief

xc: OCD Aztec District Office
NMED Hazardous and Radioactive Waste Bureau

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
1220 S. St. Francis Dr., Santa Fe, NM 87504

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87504

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: ☒ XX Verbal Approval Received: Yes ☐ No ☒ XX	4. Generator: Giant Refinery Ciniza 5. Originating Site: Ciniza Refining
2. Management Facility Destination: Giant Mid-Continent Landfarm	6. Transporter: Rinchem
3. Address of Facility Operator: #50 CR 4990 Bloomfield, NM 87413	8. State: New Mexico
7. Location of Material (Street Address or ULSTR): Giant Refinery I-40 Exit 39	Jamestown New Mexico

9. Circle One:

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

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

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

BRIEF DESCRIPTION OF MATERIAL:

Vacuum Tower crude bottoms including contaminated soil from a spill involving the vacuum tower crude bottoms.

JAN 2001
RECEIVED
OIL CON. DIV
DIST. 3

Estimated Volume 120 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Barry Holman Waste Management Facility Authorized Agent TITLE: Environmental Manager DATE: 1/24/01

TYPE OR PRINT NAME: Barry Holman TELEPHONE NO. 505-632-4168

(This space for State Use)

APPROVED BY: Denny Foust TITLE: Geologist DATE: 01/25/01

APPROVED BY: Martyn J. Kelly TITLE: Environmental Geologist DATE: 02/13/01

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Giant Refining - Ciniza Rt 3 Box 7 Gallup, NM 87301	Giant Mid Continent Landfarm
3. Originating Site (name): Ciniza Refinery, Giant Refining Co ~~Rt 3 Box~~ I 40 @ Exit 39, Jamestown Attach list of originating sites as appropriate	**Location of the Waste (Street address &/or ULSTR):**
4. Source and Description of Waste Vacuum tower crude bottoms, including soil from spill clean up.	

I, Dorinda Mancini (Print Name) representative for: Giant Refining Co - Ciniza Refinery do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

___ **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Dorinda Mancini

Title: Env. Manager

Date: 11/30/00

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
Analytical Laboratories

January 23, 2001

Client: Giant Refining Company
Address: Route 3, Box 7
Gallup, NM 87301

Date Collected: 1/12/01
Date Received: 1/15/01
Project #: Block Wax
Client ID #: Block Wax 011201
Laboratory ID #: 010180-01
Matrix: Solid
Extraction Method: 1311
Date of Analysis: 1/22/01

TCLP Metals

Parameter	Detection Limit (mg/l)	Results (mg/l)	Regulatory Level (mg/l)
Arsenic	0.010	<0.01	5.0
Barium	1.0	1.7	100.0
Cadmium	0.0050	<0.005	1.0
Chromium	0.050	<0.05	5.0
Lead	0.10	<0.1	5.0
Mercury	0.0020	<0.002	0.20
Selenium	0.020	<0.02	1.0
Silver	0.010	<0.01	5.0

Laboratory Manager: Bassam Youssef

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
Analytical Laboratories

January 23, 2001

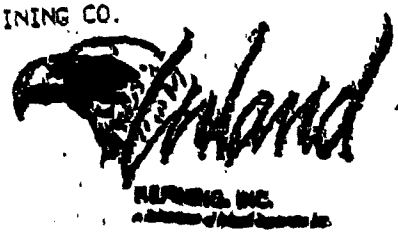
Client: Giant Refining Company
Address: Route 3, Box 7
Gallup, NM 87301

Date Collected: 1/12/01
Date Received: 1/15/01
Project #: Block Wax
Client ID #: Block Wax 011201
Laboratory ID #: 010180-01
Matrix: Solid
Extraction Method: 1311
Date of Analysis: 1/18/01

TCLP Volatiles

Parameter	Detection Limit (mg/L)	Results (mg/L)	Regulatory Level (mg/L)
1,1-Dichloroethene	0.10	<0.1	0.70
1,2-Dichloroethane	0.10	<0.1	0.50
2-Butanone (MEK)	2.0	<2.0	200.0
Benzene	0.10	<0.1	0.50
Carbon tetrachloride	0.10	<0.1	0.50
Chlorobenzene	0.10	<0.1	100.0
Chloroform	0.10	<0.1	6.0
Tetrachloroethene	0.10	<0.1	0.70
Trichloroethene	0.10	<0.1	0.50
Vinyl Chloride	0.20	<0.2	0.20

Laboratory Manager: Bassam Youssef



March 10, 1999

SPECIFICATION

BLACK WAX VTB
(BW-VTB)

PROPERTY	TEST METHOD	UNITS	TYPICAL
API GRAVITY	ASTM D-287		20.0
VISCOSITY AT 210 F	ASTM D-445	CST.	190
FLASH POINT	ASTM D-92	Deg. F	570
POUR POINT	ASTM D-97	Deg. F	115
CONGEAL POINT	ASTM D-938	Deg. F	130
ANILINE POINT	ASTM D-611	Deg. F	266
SULFUR	ASTM D-4294	WT.%	0.190
SODIUM	AA	PPM	
VANADIUM	AA	PPM	2.5
NITROGEN	ASTM D-3762	%WT.	0.3

DESIRED 1050 + CUT - VGO IS REMOVED
500 B/D AVAILABLE

REC'D FROM BILL FINK 4/23/99
801-298-3211

55 South 1100 West, P.O. Box 870288, Woods Cross, UT 84087 • 801-298-3211 • FAX 801-298-1112

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
1220 S. St. Francis Dr., Santa Fe, NM 87504

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87504

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: ☒ XX Verbal Approval Received: Yes ☐ No ☒ XX	4. Generator: Giant Refinery Ciniza 5. Originating Site: Ciniza Refining
2. Management Facility Destination: Giant Mid-Continent Landfarm	6. Transporter: Rinchem
3. Address of Facility Operator: #50 CR 4990 Bloomfield, NM 87413	8. State: New Mexico
7. Location of Material (Street Address or ULSTR): Giant Refinery I-40 Exit 39	Jamestown New Mexico

9. Circle One:

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

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

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

BRIEF DESCRIPTION OF MATERIAL:

Vacuum Tower crude bottoms including contaminated soil from a spill involving the vacuum tower crude bottoms.

JAN 2001
RECEIVED
OIL CON DIV
DIST. 3

Estimated Volume 120 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Barry Holman Waste Management Facility Authorized Agent TITLE: Environmental Manager DATE: 1/24/01

TYPE OR PRINT NAME: Barry Holman TELEPHONE NO. 505-632-4168

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: Jerry Sexton TITLE: Geologist DATE: 02/05/01

This material originated at a refinery in Utah. I regard it as a product not a waste stream

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Giant Refining - Ciniza Rt 3 Box 7 Gallup, NM 87301	Giant Mid Continent Landfarm
3. Originating Site (name): Ciniza Refinery, Giant Refining Co ~~Rt 3 Box~~ I 40 @ Exit 39, Jamestown Attach list of originating sites as appropriate	**Location of the Waste (Street address &/or ULSTR):**
4. Source and Description of Waste Vacuum tower crude bottoms, including soil from spill clean up.	

I, Dorinda Mancini (Print Name) representative for: Giant Refining Co - Ciniza Refinery do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

__ EXEMPT oilfield waste

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

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

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

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

Name (Original Signature): Dorinda Mancini

Title: Env. Manager

Date: 11/30/00

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
Analytical Laboratories

January 23, 2001

Client: Giant Refining Company
Address: Route 3, Box 7
Gallup, NM 87301

Date Collected: 1/12/01
Date Received: 1/15/01
Project #: Block Wax
Client ID #: Block Wax 011201
Laboratory ID #: 010180-01
Matrix: Solid
Extraction Method: 1311
Date of Analysis: 1/22/01

TCLP Metals

Parameter	Detection Limit (mg/l)	Results (mg/l)	Regulatory Level (mg/l)
Arsenic	0.010	<0.01	5.0
Barium	1.0	1.7	100.0
Cadmium	0.0050	<0.005	1.0
Chromium	0.050	<0.05	5.0
Lead	0.10	<0.1	5.0
Mercury	0.0020	<0.002	0.20
Selenium	0.020	<0.02	1.0
Silver	0.010	<0.01	5.0

Laboratory Manager: Bassam Youssef

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
Analytical Laboratories

2

January 23, 2001

Client: Giant Refining Company
Address: Route 3, Box 7
Gallup, NM 87301

Date Collected: 1/12/01
Date Received: 1/15/01
Project #: Block Wax
Client ID #: Block Wax 011201
Laboratory ID #: 010180-01
Matrix: Solid
Extraction Method: 1311
Date of Analysis: 1/18/01

TCLP Volatiles

Parameter	Detection Limit (mg/L)	Results (mg/L)	Regulatory Level (mg/L)
1,1-Dichloroethene	0.10	<0.1	0.70
1,2-Dichloroethane	0.10	<0.1	0.50
2-Butanone (MEK)	2.0	<2.0	200.0
Benzene	0.10	<0.1	0.50
Carbon tetrachloride	0.10	<0.1	0.50
Chlorobenzene	0.10	<0.1	100.0
Chloroform	0.10	<0.1	6.0
Tetrachloroethene	0.10	<0.1	0.70
Trichloroethene	0.10	<0.1	0.50
Vinyl Chloride	0.20	<0.2	0.20

Laboratory Manager: Bassam Youssef

Inland
REFINING, INC.

March 10, 1999

SPECIFICATION

BLACK WAX VTB
(BW-VTB)

PROPERTY	TEST METHOD	UNITS	TYPICAL
API GRAVITY	ASTM D-287		20.0
VISCOSITY AT 210 F	ASTM D-445	CST.	190
FLASH POINT	ASTM D-92	Deg. F	570
POUR POINT	ASTM D-97	Deg. F	115
CONGEAL POINT	ASTM D-938	Deg. F	130
ANILINE POINT	ASTM D-611	Deg. F	266
SULFUR	ASTM D-4294	WT.%	0.190
SODIUM	A.A	PPM	
VANADIUM	A.A	PPM	2.5
NITROGEN	ASTM D-5762	%WT.	0.3

DESIRED 1050 + CUT - VGO IS REMOVED
500 B/D AVAILABLE

Rec'd from Bill Fink 4/23/99
801-298-3211

55 South 1100 West, P.O. Box 870288, Woods Cross, UT 84087 • 801-298-3311 • FAX 801-298-1112

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: ☒ XX Verbal Approval Received: Yes ☒ XX No ☐	4. Generator: Giant Industries, Inc. 5. Originating Site: Giant Bloomfield Station
2. Management Facility Destination: Giant Mid-Continent Landfarm	6. Transporter: Phillip Environmental
3. Address of Facility Operator: 111 CR 4990 Bloomfield, NM 87413	8. State: NM
7. Location of Material (Street Address or ULSTR): Southwest Corner of Blanco Boulevard & Fifth ST.	

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:

Crude Oil Contaminated Soil from the site which contained a 55,000 BBL storage tank. Tank has been torn down and the soil will be removed to the Giant Mid-Continent Landfarm.

JUL 2000
RECEIVED
OIL CON. DIV
DIST. 3

Estimated Volume 2-4 Thousand cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Tim Kinney Waste Management Facility Authorized Agent TITLE: General Manager DATE: 7/28/00

TYPE OR PRINT NAME: Tim Kinney TELEPHONE NO. 505-632-4001

(This space for State Use)

APPROVED BY: Denny Foust TITLE: Geologist DATE: 7/28/00

APPROVED BY: Martyne J. Kieling TITLE: Environmental Geologist DATE: 8/2/00

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Giant Bloomfield Crude Station 111 CR 4990 Bloomfield, NM 87413	Giant Mid-Continent Landfarm
3. Originating Site (name): Bloomfield Crude Station Bloomfield NM 87413 **Attach list of originating sites as appropriate**	**Location of the Waste (Street address &/or ULSTR):** Southwest corner of Blanco Boulevard and Fifth ST. Bloomfield, NM 87413
4. Source and Description of Waste Crude oil contaminated soil from the site which contained a 55,000 BBL storage tank. Tank has been torn down and the soil will be removed to the Giant Mid-Continent Landfarm.	

I, Barry Holman (Print Name) representative for: Giant Industries 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

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

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

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

___ MSDS Information
___ RCRA Hazardous Waste Analysis
___ Chain of Custody
XX Other (description): Knowledge of Process Attached

Name (Original Signature): Barry Holman

Title: Environmental Manager

Date: July 27, 2000

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

July 29, 1998

CERTIFIED MAIL
RETURN RECEIPT NO. Z-357-869-974

Mr. Barry G. Holman
Safety and Environmental Manager
Giant Transportation
111 CR 4990
Bloomfield, New Mexico 87413

RE: CRUDE OIL PIPELINE SPILLS

Dear Mr. Townsend:

The New Mexico Oil Conservation Division (OCD) has reviewed the Giant Transportation (Giant) July 20, 1998, correspondence which presents the results of representative RCRA hazardous waste characteristic sampling of contaminated soils from pipeline related spills of crude oil. Giant requests that they be allowed to use these analyses and a statement of process knowledge for determining the soils to be RCRA non-hazardous during future crude oil pipeline spill remediations. These analyses are to be used in lieu of individual sampling of each spill event.

The above referenced request is approved with the following conditions:

1. The above representative analyses can be used in lieu of individual sampling of each spill event until further notice.

2. Giant will reference the above waste determination in all future RCRA non-exempt crude oil spill reports to the OCD.

3. Giant will notify the OCD within 24 hours of any system changes which could potentially alter the composition of any spilled crude such that RCRA hazardous waste characteristics in the spill area could be exceeded.

Please be advised that OCD approval does not relieve Giant of liability should these types of leaks and spills result in contamination of surface waters, ground waters or the environment. In addition, OCD approval does not relieve Giant of responsibility for compliance with any other federal, state or local laws and/or regulations. If you have questions please contact me at (505) 827-7152.

Sincerely,

Roger C. Anderson
Environmental Bureau Chief

xc: OCD Aztec District Office
NMED Hazardous and Radioactive Waste Bureau

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

May 19, 2000

CERTIFIED MAIL
RETURN RECEIPT NO: 5051-3112

Mr. Timothy A. Kinney
Giant Industries Arizona, Inc.
111 County Rd. 4990
Bloomfield, New Mexico 87413

RE: BLOOMFIELD CRUDE STATION

Dear Mr. Kinney:

The New Mexico Oil Conservation Division (OCD) has reviewed Giant Industries Arizona, Inc.'s (Giant) January 2000 "COMPREHENSIVE REPORT FOR THE BLOOMFIELD CRUDE STATION, BLOOMFIELD, NEW MEXICO". This document contains the results of Giant's past and recent investigations of soil and ground water contamination related to the Bloomfield Crude Station in Bloomfield New Mexico. The document also contains Giant's proposed work plan for soil and ground water remediation and monitoring.

The above referenced work plan is **approved** with the following conditions:

1. Prior to commencement of the excavation activities, Giant shall submit to the OCD for approval a site health and safety plan for protection of the public from vapor emissions generated during excavation activities.

2. Giant shall take confirmation samples of soils from the base and walls of the excavated areas to show that the soils are remediated to the OCD's benzene, toluene, ethylbenzene, and xylene (BTEX) and total petroleum hydrocarbon (TPH) guidance levels. Confirmation soil samples shall also be taken for analysis of chloride concentrations.

3. All soil and ground water samples shall be obtained and analyzed using EPA approved methods and quality assurance /quality control (QA/QC) procedures.

4. In addition to the proposed new monitoring well MW-6, Giant shall install a ground water monitoring well at the location show on Figure 4 (attached) in order to determine the lateral extent of ground water contamination.

5. Giant shall complete all monitor wells as follows:

   a. At least 15 feet of well screen shall be placed across the water table interface with at least 5 feet of the well screen placed above the water table and 10 feet of the well screen below the water table.

   b. An appropriately sized gravel pack shall be set in the annulus around the well screen from the bottom of the hole to 2-3 feet above the top of the well screen.

   c. A 2-3 foot bentonite plug shall be placed above the gravel pack.

   d. The remainder of the hole shall be grouted to the surface with cement containing 3-5% bentonite.

   e. A concrete pad and locking well cover shall be placed around the well at the surface.

   f. The well shall be developed after construction using EPA approved procedures.

6. No less than 24 hours after the wells are developed, ground water from all monitor new wells shall be purged, sampled and analyzed for concentrations of benzene, toluene, ethylbenzene, xylene, total dissolved solids (TDS) and major cations and anions using EPA approved methods and quality assurance/quality control (QA/QC) procedures.

7. Semi-annual monitoring of ground water from the site monitoring wells shall include analysis for concentrations of major cations and anions and TDS.

8. Giant shall submit a comprehensive report on all site investigations to the OCD by August 31, 2000. The report shall be submitted to the OCD Santa Fe Office with a copy provided to the OCD Aztec District Office. The report shall contain the following information:

   a. A comprehensive description of all investigation and remediation activities including conclusions and recommendations.

   b. A site map showing the location of all spills, tanks, pipelines, excavations, monitor wells, soil borings and any other pertinent site features.

   c. A ground water potentiometric map created using the water table elevation from each monitor well which shows the direction and magnitude of the hydraulic gradient.

d. Summary tables of all past and present soil and ground water quality sampling results and copies of all recent laboratory analytical data sheets and associated quality assurance/quality control (QA/QC) data.

e. The disposition of all wastes generated.

9. Giant shall notify the OCD at least 48 hours in advance of all scheduled activities such that the OCD has the opportunity to witness the events and split samples.

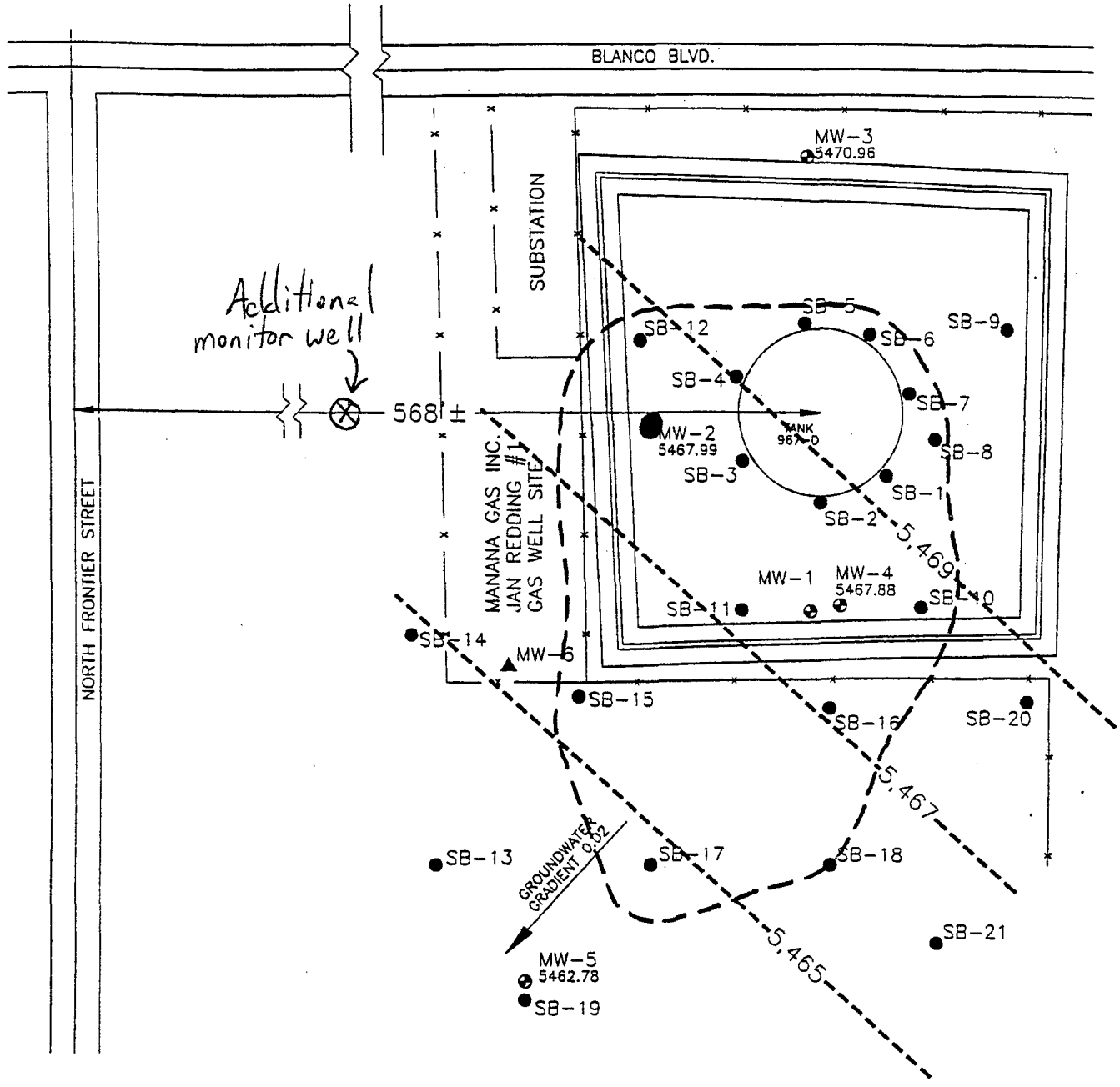
Please be advised that OCD approval does not relieve Giant of liability if the work plan fails to adequately remediate contamination related to Giants activities or if contamination exists which is outside the scope of the work plan. In addition, OCD approval does not relieve Giant of responsibility for compliance with any other federal, state or local laws and regulations.

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

Sincerely,

William C. Olson
Hydrologist
Environmental Bureau

xc: Denny Foust, OCD Aztec District Office
Martin J. Nee, Philip Services Corporation



LEGEND

×——×——×	FENCE LINE
⊕ MW-2 5467.99	APPROXIMATE MONITORING WELL LOCATION, NUMBER AND ELEVATION
▲ MW-6	PROPOSED MONITORING WELL LOCATION
— — — —	ESTIMATED BOUNDARY OF IMPACTED SOILS
- - 5,469 - -	APPROXIMATE EQUIPOTENTIAL LINE

0 100
FEET

N

NOTE: MW-2 water level corrected for product thickness.

PHILIP SERVICES CORP

TITLE: GROUNDWATER GRADIENT MAP

DWN: TMM	DES.:	PROJECT NO.: 62800075	
CHKD:	APPD:	GIANT INDUSTRIES BLOOMFIELD, NM	
DATE: 1/3/00	REV.: 1	FIGURE 4	

COL. 628/000758-004

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
MAR 16 2000
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

1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒	4. Generator Giant Ciniza Pipeline
	5. Originating Site S22,T19N,R15W Standing Rock Station
2. Management Facility Destination Giant Mid-Continent Landfarm S16,T25N,R16W	6. Transporter Giant Transportation
3. Address of Facility Operator 111 CR 4990 Bloomfield, NM	8. State New Mexico
7. Location of Material (Street Address or ULSTR) Standing Rock Station S22,T19N,R15W	McKinley County New Mexico

9. Circle One:

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

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

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

BRIEF DESCRIPTION OF MATERIAL:
75 to 100 Yards of contaminated soil from spill that occured in 1995

Estimated Volume 75 to 100 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE [signature] TITLE: Environmental Manager DATE: 3/15/00
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Barry Holman TELEPHONE NO. 505-632-4077

(This space for State Use)

APPROVED BY: [signature] TITLE: Geologist DATE: 3/15/00

APPROVED BY: [signature] TITLE: Environmental Geologist DATE: 3/17/00

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Ciniza Pipeline (Giant) 111 CR 4990 Bloomfield, NM 87413	Giant Mid-Continent T25N,R16W,Sec.16 New Mexico
3. Originating Site (name): Standing Rock Station S22,T19N,R15W McKinley County New Mexico **Attach list of originating sites as appropriate**	**Location of the Waste (Street address &/or ULSTR):** Same as Originating
4. Source and Description of Waste 75 to 100 Yards of contaminated soil from spill that occured in 1995.	

I, Roy Armenta (Print Name) representative for: Giant Ciniza Pipeline 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

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

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

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

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

Name (Original Signature): Roy Armenta

Title: Pipeline Manager

Date: March 15, 2000

GIANT
INDUSTRIES, INC.

Crude Gathering Operations

5764 US Highway 64
Farmington, New Mexico
87401

505
632-8024
632-8006

December 21, 1995

Ms. Michelle Morris
Environmental Specialist
Navajo Nation Environmental Protection Agency
P. O. Box 339
Window Rock, AZ 86515

Dear Ms. Morris:

Enclosed is a copy of the lab analysis of the soil samples taken from Standing Rock Station on September 27, 1995.

Our plan is to transport soil from the site to Giant's Ciniza Refinery landfarm east of Gallup, New Mexico. Weather permitting, this will be finished in January, 1996.

If you have any questions or comments, please contact me at (505)632-4009.

Sincerely,

Roy Armenta
Pipeline Manager

/dm

Enclosure

cc Tim Kinney
Jacque Cumbie
Kim Bullerdick

Ray H.

Analytical**Technologies,**Inc.

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

ATI I.D. **509406**

November 7, 1995

Giant Industries
5764 Highway 64
Farmington, NM 87401

Project Name/Number: GIANT-STANDING ROCK 15230

Attention: Tim Kinney

On **09/29/95**, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze **non-aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

ATI-Pensacola's lab ID "01" represents a composite of all five samples listed in the client description. This is the equivalent of "509406-06."

EPA method 9010 and 9030 analyses were performed by Analytical Technologies, Inc., 11 East Olive Road, Pensacola, FL.

EPA method 418.1 analyses were performed by Analytical Technologies, Inc., Albuquerque, NM.

All other analyses were performed by Analytical Technologies, Inc., 225 Commerce Drive, Fort Collins, CO.

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

Kimberly D. McNeill
Project Manager

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager

MR:jt

Enclosure

Analytical**Technologies**, Inc.

CLIENT : GIANT INDUSTRIES
PROJECT # : 15230
PROJECT NAME: GIANT-STANDING ROCK

DATE RECEIVED : 09/29/95
REPORT DATE : 11/07/95

ATI ID: 509406

	ATI PENSACOLA ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	COMPOSITE (01-05)	SE1	NON-AQ	09/27/95
02		SW1	NON-AQ	09/27/95
03		NW1	NON-AQ	09/27/95
04		NM1	NON-AQ	09/27/95
05		NE1	NON-AQ	09/27/95
06		COMPOSITE (01-05)	NON-AQ	NA

---TOTALS---

MATRIX	#SAMPLES
NON-AQ	5 SAMPLES & 1 COMPOSITE

ATI STANDARD DISPOSAL PRACTICE

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

Analytical Technologies, Inc.

pH

Lab Name: Analytical Technologies, Inc.

Date Collected: 09/27/95

Client Name: ATI-NM

Date Analyzed: 10/12/95

Client Project ID: Giant - Standing Rock --509406

Sample Matrix: Soil

Lab Workorder Number: 95-09-290

Sample ID	Lab Sample ID	pH
509406-Composite	95-09-290	8.9

Analytical**Technologies,**Inc.

IGNITABILITY
Method 1010

Lab Name: Analytical Technologies, Inc.

Client Name: ATI-NM

Client Project ID: Giant - Standing Rock

Lab Workorder Number: 95-09-290

Date Collected: 09/27/95

Date Analyzed: 11/02/95

Sample Matrix: Soil

Sample ID	Lab Sample ID	Ignitable At (deg C)	Non-ignitable Below (deg C)
509406 Comp.	95-09-290-01		96.5

AnalyticalTechnologies,Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession: 510046
Client: ANALYTICAL TECHNOLOGIES, INC.
Project Number: 95-09-290
Project Name: ATI-NM
Project Location: N/S
Test: Group of Single Wetchem
Matrix: SOIL
QC Level: II

Lab ID: 001 Sample Date/Time: 27-SEP-95 N/S
Client Sample Id: 95-09-290-01-05 (COMPOSITE) Received Date: 03-OCT-95

Parameters:	Units:	Results:	Rpt Lmts:	Q:	Batch:	Analyst:
CYANIDE, REACTIVE (9010)	MG/KG	ND	0.25		RCX048	CD
SULFIDE, REACTIVE (9030)	MG/KG	ND	5		RSX048	CD

Comments:

"WetChem Quality Control Report"

Parameter:	RE-CN	RE SULFIDE
Batch Id:	RCX048	RSX048
Blank Result:	<0.25	<5
Anal. Method:	9010	9030
Prep. Method:	N/A	N/A
Analysis Date:	12-OCT-95	10-OCT-95
Prep. Date:	09-OCT-95	09-OCT-95
Sample Duplication		
Sample Dup:	510046-1	510046-1
Rept Limit:	<0.25	<5
Sample Result:	<0.25	<5
Dup Result:	<0.25	<5
Sample RPD:	N/C	N/C
Max RPD:	0.25	5
Dry Weight%	N/A	N/A
Matrix Spike		
Sample Spiked:	N/A	N/A
Rept Limit:	N/A	N/A
Sample Result:		
Spiked Result:		
Spike Added:		
% Recovery:		
% Rec Limits:		
Dry Weight%		
ICV		
ICV Result:	2.76	18
True Result:	2.50	20
% Recovery:	110	90
% Rec Limits:	90-110	90-110
LCS		
LCS Result:		
True Result:		
% Recovery:		
% Rec Limits:		

----- Common Footnotes Wet Chem -----

N/A = NOT APPLICABLE.
N/S = NOT SUBMITTED.
N/C = SAMPLE AND DUPLICATE RESULTS ARE AT OR BELOW ATI REPORTING LIMIT; THEREFORE, THE RPD IS "NOT CALCULABLE" AND NO CONTROL LIMITS APPLY.
ND = NOT DETECTED ABOVE REPORTING LIMIT.
DISS. OR D = DISSOLVED
T & D = TOTAL AND DISSOLVED
R = REACTIVE
T = TOTAL
G = SAMPLE AND/OR DUPLICATE RESULT IS BELOW 5 X ATI REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND DUPLICATE RESULT IS AT OR BELOW ATI REPORTING LIMIT; THEREFORE, THE RESULTS ARE "IN CONTROL".
Q = THE ANALYTICAL (POST-DIGESTION) SPIKE IS REPORTED DUE TO THE MATRIX (PRE-DIGESTION) SPIKE BEING OUTSIDE ACCEPTANCE LIMITS.
# = ELEVATED REPORTING LIMIT DUE TO INSUFFICIENT SAMPLE.
+ = ELEVATED REPORTING LIMIT DUE TO DILUTION INTO CALIBRATION RANGE.
* = ELEVATED REPORTING LIMIT DUE TO MATRIX INTERFERENCE.
@ = ADJUSTED REPORTING LIMIT DUE TO SAMPLE MATRIX (DILUTION PRIOR TO PREPARATION).
P = ANALYTICAL (POST-DIGESTION) SPIKE
I = DUPLICATE INJECTION
& = AUTOMATED
F = SAMPLE SPIKED > 4 X SPIKE CONCENTRATION.
N/C+ = NOT CALCULABLE
N/C* = NOT CALCULABLE; SAMPLE SPIKED > 4 X SPIKE CONCENTRATION.
H = SAMPLE AND/OR DUPLICATE IS BELOW 5 X ATI REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE RESULTS EXCEEDS THE ATI REPORTING LIMIT; THEREFORE, THE RESULTS ARE "OUT OF CONTROL".
A = SAMPLE AND DUPLICATE RESULTS ARE "OUT OF CONTROL".
Z = THE SAMPLE RESULT FOR THE SPIKE IS BELOW REPORTING LIMIT. HOWEVER, THIS RESULT IS REPORTED FOR ACCURATE QC CALCULATIONS.
NH= SAMPLE AND / OR DUPLICATE RESULT IS BELOW 5 X ATI REPORTING LIMIT AND THE RESULTS EXCEED THE ATI REPORTING LIMIT; THEREFORE, THE RESULTS ARE "OUT OF CONTROL" SAMPLE IS NON-HOMOGENOUS.
(*) = DETECTION LIMITS RAISED DUE TO CLP METHOD NOT REQUIRING A CONCENTRATION STEP FOR CN.

(CA) = SEE CORRECTIVE ACTIONS FORM.

SW-846, 3RD EDITION, SEPTEMBER 1986 AND REVISION 1, JULY 1992.
EPA 600/4-79-020, REVISED MARCH 1983.
STANDARD METHODS, 17TH ED., 1989
NIOSH MANUAL OF ANALYTICAL METHODS, 3RD EDITION.
ANNUAL BOOK OF ASTM STANDARDS, VOLUME 11.01, 1991.

1. COLIFORM. COLIFORM PRECISION IS MEASURED BY THE ABSOLUTE DIFFERENCE BETWEEN THE LOGARITHM OF COLONIES PER 100 MLS OF SAMPLE ON DUPLICATE PLATES.

2. PH. PH PRECISION IS MEASURED BY THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND THE DUPLICATE ANALYSIS.

3. FLASHPOINT. FLASHPOINT PRECISION IS MEASURED BY THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND DUPLICATE ANALYSIS. IF FLASHPOINT IS LESS THAN 25 DEGREES CELSIUS, THE DETECTION LIMIT BECOMES THE INITIAL STARTING TEMPERATURE.

RPD = RELATIVE PERCENT DIFFERENCE (OR DEVIATION).

RPT LIMIT = REPORTING LIMITS BASED ON METHOD DETECTION LIMIT STUDIES.

DPH	= DOLLY P. HWANG	SG	= SCOTT GRESHAM	RB	= REBECCA BROWN
TT	= TONY TINEO	NSB	= NANCY S. BUTLER	FB	= FREDDIE BROWN
MM	= MARY MOLONEY	CF	= CHRISTINE FOSTER	HN	= HONG NGUYEN
GJ	= GARY JACOBS				

TCLP METALS

AnalyticalTechnologies,Inc.

Sample ID

Composite

Lab Name: Analytical Technologies, Inc.

Client Name: ATI-NM

Date Collected: 09/27/95

Client Project ID: Giant - Standing Rock

Prep Date: 10/06, 09/95

Lab Sample ID: 95-09-290-01

Date Analyzed: 10/09/95

Sample Matrix: TCLP Leachate

EPA HW Number	CAS Number	Analyte	Modified Method	Concentration mg/L	Detection Limit (mg/L)
D004	7440-38-2	Arsenic	6010	ND	0.1
D005	7440-39-3	Barium	6010	ND	3
D006	7440-43-9	Cadmium	6010	ND	0.05
D007	7440-47-3	Chromium	6010	ND	0.1
D008	7439-92-1	Lead	6010	ND	0.03
D009	7439-97-6	Mercury	7470	ND	0.002
D010	7782-49-2	Selenium	6010	ND	0.05
D011	7440-22-4	Silver	6010	ND	0.1

ND= Not Detected

TCLP METALS

Analytical**Technologies,**Inc.

Sample ID

TCLP Blank

Lab Name: Analytical Technologies, Inc.

Client Name: ATI-NM

Date Collected: N/A

Client Project ID: Giant - Standing Rock

Prep Date: 10/06, 09/95

Lab Sample ID: RB 95-09-290

Date Analyzed: 10/09/95

Sample Matrix: TCLP Leachate

EPA HW Number	CAS Number	Analyte	Modified Method	Concentration mg/L	Detection Limit (mg/L)
D004	7440-38-2	Arsenic	6010	ND	0.1
D005	7440-39-3	Barium	6010	ND	3
D006	7440-43-9	Cadmium	6010	ND	0.05
D007	7440-47-3	Chromium	6010	ND	0.1
D008	7439-92-1	Lead	6010	ND	0.03
D009	7439-97-6	Mercury	7470	ND	0.002
D010	7782-49-2	Selenium	6010	ND	0.05
D011	7440-22-4	Silver	6010	ND	0.1

ND= Not Detected

TCLP METALS
MATRIX SPIKE

AnalyticalTechnologies,Inc.

Sample ID

Composite

Lab Name: Analytical Technologies, Inc.

Client Name: ATI-NM

Lab Sample ID: 95-09-290-01

Prep Date: 10/06, 09/95

Sample Matrix: TCLP Leachate

Date Analyzed: 10/09/95

Analyte	Spike Added mg/L	Sample Conc. mg/L	MS Conc. mg/L	% Rec (limits 80-120%)	Flags
Arsenic	20	< 0.1	22	110	
Barium	20	< 3	22	110	
Cadmium	0.50	< 0.05	0.55	110	
Chromium	2.0	< 0.1	2.0	100	
Lead	5.0	< 0.03	5.3	106	
Mercury	0.020	< 0.002	0.017	85	
Selenium	20	< 0.05	23	115	
Silver	2.0	< 0.1	2.2	110	

Analyte	MSD Conc. mg/L	MSD % Rec (limits 80-120 %)	Relative % Difference (limits 0-20%)	Flags
Arsenic	22	110	0	
Barium	22	110	0	
Cadmium	0.55	110	0	
Chromium	2.0	100	0	
Lead	5.2	104	2	
Mercury	0.017	85	0	
Selenium	23	115	0	
Silver	2.2	110	0	

Analytical**Technologies**, Inc.

TCLP ANALYSIS
Modified Method 8020

Lab Name: Analytical Technologies, Inc.

Client Name: ATI-NM

Client Project ID: Giant - Standing Rock

Lab Workorder Number: 95-09-290

Date Collected: 09/27/95

Date Extracted: 10/05/95

Date Analyzed: 10/06/95

Sample Matrix: TCLP Leachate

Sample ID	Lab Sample ID	Sample Volume (ml)	Conc. Benzene (mg/L)	Conc. Toluene (mg/L)	Conc. Ethyl Benzene (mg/L)	Conc. Xylenes (mg/L)	Surrogate Percent Recovery (TFT)
Reagent Blank	WRB1 10/06/95	5.0	< 0.01	< 0.01	< 0.01	< 0.01	101
TCLP Reagent Blank	TCLPRB1 10/05/95	0.50	< 0.10	< 0.10	< 0.10	< 0.10	98
Composite	95-09-290-01	0.50	< 0.10	0.49	0.14	1.2	101

AnalyticalTechnologies,Inc.

TCLP MATRIX SPIKE RESULTS
Modified Method 8020

Sample ID
Composite

Lab Name: Analytical Technologies, Inc.

Client Name: ATI-NM

Date Analyzed: 10/06,07/95

Lab Sample ID: 95-09-290-01

Sample Matrix: TCLP Leachate

Analyte	Spike Added (mg/L)	Sample Concentration (mg/L)	MS Concentration (mg/L)	MS Percent Recovery
Benzene	0.500	ND	0.492	98
Toluene	0.500	0.49	0.801	63
Ethyl Benzene	0.500	0.14	0.587	89
Xylenes	1.50	1.2	2.47	85

Analyte	Spike Added (mg/L)	MSD Concentration (mg/L)	MSD Percent Recovery	RPD
Benzene	0.500	0.517	103	5
Toluene	0.500	0.805	64	0
Ethyl Benzene	0.500	0.594	91	1
Xylenes	1.50	2.45	83	1

ND = Not detected

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: GIANT INDUSTRIES	ATI I.D.	: 509406
PROJECT #	: 15230	DATE RECEIVED	: 09/29/95
PROJECT NAME	: GIANT-STANDING ROCK	DATE ANALYZED	: 10/03/95

PARAMETER	UNITS	06
PETROLEUM HYDROCARBONS, IR	MG/KG	46000

Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT	: GIANT INDUSTRIES	ATI I.D.	: 509406
PROJECT #	: 15230	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: GIANT-STANDING ROCK	UNITS	: MG/KG

PARAMETER	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC.	% REC
PETROLEUM HYDROCARBONS	51030501	70	78	11	230	150	107

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

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

AnalyticalTechnologies,Inc.
225 COMMERCE DRIVE
FORT COLLINS, CO
80524
(970) 490-1511
(970) 490-1522 FAX
1 (800) 443-1511

Chain of Custody

DATE 10-2 PAGE 1 OF 1

FL

ACCESSION NUMBER: 510046

PROJECT MANAGER: Lori A

COMPANY: ATI

ADDRESS: Colorado

SAMPLER:

1-490-DII

PHONE NUMBER FAX NUMBER

SAMPLE ID	SAMPLE DATE	SAMPLE TIME	MATRIX	LAB ID
95-09-490-01	9-27		Soil	
02				
03				
04				
05				

ANALYSIS REQUESTED

9070/9071 — Oil & Grease	418.1 — TRPH	8015 Mod. — Gasoline	8015 Mod. — Diesel	8015/8020 — Gasoline/BTEX	8020 — BTEX	8240 — GC/MS VOC's	8270 — GC/MS SVOC's	8080 — Pesticides/PCB's	8080 — PCB Only	8310 — PNA's	8150 — Herbicides	8140 — OP Pesticides	TOX — EOX — TX	Total Metals:	TCLP:	Gross Alpha	Gross Beta	Radium 226	Radium 228	Tritium	Strontium	% Moisture	Composite						Number of Containers
																						X							1
																						X							1
																						X							1
																						X							1
																						X							1

PROJECT INFORMATION

PROJECT NUMBER: 95-09-490

PROJECT NAME: ATI. Nm

PURCHASE ORDER NUMBER:

TAT: ☐ STANDARD ☒ RUSH DUE: 10-12

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS	5
CHAIN OF CUSTODY SEALS Y/N	X
SEALS INTACT? Y/N/NA	Y
RECEIVED GOOD COND./COLD	Y

SAMPLE DISPOSAL: ☐ HAZ WASTE $5.00 ☐ RAD CHEM $15.00 ☐ RETURN

Comments: * Composite 1-5 Sample Jars

Total 1 Sample & Run.

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 1400	Signature: Time:	Signature: Time:
Printed Name: Date: 10-2	Printed Name: Date:	Printed Name: Date:
Company: ATI	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: 3.**
Signature: Time: 0928	Signature: Time:	Signature: Time:
Printed Name: R.ELSPERMAN Date: 10/3/95	Printed Name: Date:	Printed Name: Date:
Company: ATI - FL	Company:	Company:

DISTRIBUTION: White, Canary - ANALYTICAL TECHNOLOGIES, INC. • Pink - ORIGINATOR

Analytical Technologies, Inc. Albuquerque, NM

Chain of Custody

DATE 9-29-95 PAGE 1 OF 1

NETWORK PROJECT MANAGER: ~~LETITIA KRAKOWSKI~~ Kim McNeill

COMPANY: Analytical Technologies, Inc.

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

CLIENT PROJECT MANAGER: Kim McNeill

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	TOX	TOC	ORGANIC LEAD	SULFIDE	SURFACTANTS (MBAS)	632/632 MOD	619/619 MOD	610/8310	TCLP BTEX	TCLP RCRA Metals	8240 (TCLP 1311) ZHE	Ingr. React., Corr.	Diesel/Gasoline/BTXE/MTBE/ (MOD 8015/8020)	Volatile Organics GC/MS (624/8240)	NACE	ASBESTOS	BOD	TOTAL COLIFORM	FECAL COLIFORM	GROSS ALPHA/BETA	RADIUM 226/228	AIR - O2, CO2 METHANE	AIR/Diesel/Gasoline/BTXE/ (MOD 8015/8020)	NUMBER OF CONTAINERS
509406-01	9-27-95	10:25	Soil	01									X	X		X												3
-02		10:05		02									X	X		X												3
-03		10:40		03						-			X	X		X												3
-04		10:55		04									X	X		X												3
-05	↓	11:10	↓	05									X	X		X												3

PROJECT INFORMATION	
PROJECT NUMBER:	509406
PROJECT NAME:	Giant-Standing Rock
QC LEVEL:	(STD) IV
QC REQUIRED:	(MS) MSD BLANK
TAT:	(STANDARD) RUSH!

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	15
CHAIN OF CUSTODY SEALS	Y
INTACT?	Y
RECEIVED GOOD COND./COLD	Y
LAB NUMBER	95-09-290

DUE DATE: 10/11

RUSH SURCHARGE:

CLIENT DISCOUNT: %

IWO# KM973

DO NOT ROUTE [redacted]

SAMPLES SENT TO:

- SAN DIEGO
- FT. COLLINS X
- RENTON
- PENSACOLA
- PORTLAND
- PHOENIX
- FIBEROUANT

RELINQUISHED BY: 1.

Signature: [signature] Time: 15:08

Printed Name: Dan Johnson Date 9-29-95

Analytical Technologies, Inc. Albuquerque

RECEIVED BY: (LAB) 1.

Signature: Time:

Printed Name: Date:

Company: Fed Ex

RELINQUISHED BY: 2.

Signature: Time:

Printed Name: Date

Company: Fed Ex

RECEIVED BY: (LAB) 2.

Signature: [signature] Time: 9:30

Printed Name: L. Hafelt Date: 9-30-95

Company: ATI

PHILIP

Chain of Custody Record

4000 Monroe Road
Farmington, NM 87401
(505) 326-2262 Phone
(505) 326-2388 FAX

509406

COC Serial No. C 3124

Project Name Giant-Standing Rock
Project Number 15230 Phase . Task 1000.77
Samplers S. Kelly & J. Overman
Laboratory Name Analytical Technologies Inc
Location Albuquerque, NM

Sample Number (and depth)	Date	Time	Matrix	Total Number of Bottles	Type of Analysis and Bottle: 2oz glass, TCLP BTEX	2oz glass, TCLP RCRA Metals	4oz glass, TCLP, REACT, CORR	4oz glass, TPH 418.1	Comments
SE1	9/27/95	1025	Soil	4	✓	✓	✓	✓	509406-01
SW1		1005		4	✓	✓	✓	✓	-02
NW1		1040		4	✓	✓	✓	✓	-03
NM1		1055		4	✓	✓	✓	✓	-04
NE1	↓	1110	↓	4	✓	✓	✓	✓	-05

AEK 9/27/95

Relinquished by:

Signature	Date	Time
Sarah Kelly	9/28/95	0730

Received By:

Signature	Date	Time
Dan [illegible]	9:29	13:00
Blue iced, intact, no seals		
cold		

Samples Iced: ☒ Yes ☐ No

Carrier: Fed Ex

Airbill No.

Preservatives (ONLY for Water Samples)

- ☐ Cyanide ..... Sodium hyroxide (NaOH)
- ☐ Volatile Organic Analysis ..... Hydrochloric acid (HCl)
- ☐ Metals ..... Nitric acid (HNO_3)
- ☐ TPH (418.1) ..... Sulfuric acid (H_2SO_4)
- ☐ Other (Specify) _____
- ☐ Other (Specify) _____

Shipping and Lab Notes:

Combine these 5 grab samples into one composite sample to be analyzed for the listed tests Bill Giant Industries in Bloomfield, NM. attn. Tim Kinney. Also, report results to Mr. Kinney.

THE
NAVAJO
NATION
Environmental Protection Agency

P.O. Box 339 Window Rock, Arizona 86515 (520) 871-7692

KELSEY A. BEGAYE
PRESIDENT

TAYLOR McKENZIE, M.D
VICE PRESIDENT

January 31, 2000

Mr. Timothy A. Kinney
General Manager
Giant Industries, Inc.
111 County Road 4990
Bloomfield, New Mexico 87413

Certified Mail-Return Receipt Requested
P 107 534 197

Reference: Standing Rock Pumping Station

Dear Mr. Kinney:

Thank you for your letter of January 17, 2000, and your consideration of our recommendations to address certain issues at the pumping station. Based on your letter and your subsequent discussion with my staff, Arlene Luther, Environmental Specialist, I understand you are committed to completing the following:

1. Giant will remove the pile of stained soil that is located on the south portion of the pumping station. The stained soil will be taken to Giant's permitted landfarm for remediation. The landfarm was permitted by the New Mexico Oil Conservation Division to accept the stained soil derived from Giant's processing operations. You will provide me with documentation that indicates the volume of stained soil that was removed, the volume of stained soil that was accepted, and the name and location of Giant's permitted landfarm.
2. Giant will remove the sump tank and remove any waste from the tank. The waste will be re-refined with raw material. The sump tank will be taken to Giant's salvage yard and will be reused.
3. A sound survey will be conducted by Blagg Engineering, and a report will be provided within 60 days of your letter dated January 17, 2000.
4. Giant will provide documentation that the container of mercaptan has secondary containment, and that the container was moved to suitable and controlled conditions.
5. Giant will consult with your staff, Mr. Barry Holman, regarding a previous request by the Navajo Nation Air Quality Program for a facility identification number, past emissions reports, estimated emissions from the engines located at the pumping station, and applicable operating permit requirements.

6-7. Giant will also consult with your staff, Mr. Roy Armieta, regarding his concerns of storm water run off from the east portion of the pumping station. For additional guidance, you may contact my staff, Patrick Antonio, Hydrologist III, at 520/871-7185.

8. On January 28, 2000, we received a copy of the *Ciniza Pipe Line Facility Response Plan, Revision #2, June 7, 1999*, for the pumping station.

9. Giant affirms that it does not [currently] generate hazardous waste.

On January 28, 2000, we also received a copy of a letter, dated June 3, 1998, that was prepared by Blagg Engineering requesting a closure standard of 5,000 parts per million for the area impacted by an old spill and fire located on the west end and outside of the pumping station. Navajo Nation EPA's clean up standard is 100 parts per million for petroleum or hydrocarbon contaminated soil. The tribal standard is lower than the federal standard because of the traditional Navajo land use practices and the desire of the Navajo land user to have this area returned to grazing. Giant agreed to contact Equiva Services and coordinate remedial actions that comply with the Navajo Nation EPA's standard.

Since this site issue is long standing, Navajo Nation EPA looks forward to completion of remedial efforts by the end of the summer 2000. Therefore, rapid responses and finalization of your plan are critical. Navajo Nation EPA agrees to provide comments within twenty days after receipt of the plan, as this effort is foremost for Navajo Nation EPA.

If you have any questions, please contact Ms. Luther at 520/871-7994.

Sincerely,

Derrith Watchman Moore
Executive Director

xc: Larry Foster, Chief Executive Office, Office of the President and Vice President
Levon Henry, Attorney General, Department of Justice, Navajo Nation
Ernest Beleen, Post Office Box 494, Fruitland, New Mexico 87416
Navajo Nation EPA Programs

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

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

RECEIVED
JAN 28 2000
Environmental Bureau
Oil Conservation Division

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Giant Refining Company
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Bloomfield, NM
2. Management Facility Destination Giant Mid-Continent	6. Transporter Not Determined
3. Address of Facility Operator 111 CR 4990 Bloomfield	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 50 CR 4990 Bloomfield, NM. 87413	

9. Circle One:

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

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

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

BRIEF DESCRIPTION OF MATERIAL:
Oil contaminated soil from around crude oil stroage tanks in the Bloomfield Refinery Tank farm.

Wait For Metals mjk 1-28-00

Talked to Denny
Test For Metals came Back Hazardous
Not sure Possibly Lead
Did not go to Land Farm
3-10-00
MJK

JAN 2000
RECEIVED
OIL CON. DIV.
DIST. 3

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

SIGNATURE: Tim Kinney Waste Management Facility Authorized Agent TITLE: General Manager DATE: 1/21/2000

TYPE OR PRINT NAME: Tim Kinney TELEPHONE NO. 505-632-4001

(This space for State Use)

APPROVED BY: Denny G Foust TITLE: Geologist DATE: 1/24/2000

DENIED

APPROVED BY: _____ TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Giant Refining Company 50 CR 4990 Bloomfield, NM. 87413	Giant Mid-Continent 111 CR 4990 Bloomfield, NM. 87413
3. Originating Site (name): Giant Refinery Attach list of originating sites as appropriate	**Location of the Waste (Street address &/or ULSTR):** 50 CR 4990 Bloomfield, NM 87413
4. Source and Description of Waste Crude oil contaminated soil from around the crude oil storage tanks in theBloomfield refinery tank farm.	

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

___ **EXEMPT** oilfield waste

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

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

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

___ MSDS Information
___ RCRA Hazardous Waste Analysis
___ Chain of Custody
XX Other (description):
Lab analysis attached

Name (Original Signature): Barry Holman

Title: Environmental Manager, Giant Refining

Date: 1/21/00

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 8021 MODIFIED
CLIENT : GIANT REFINING CO.-BLOOMFIELD PINNACLE I.D.: 001032
PROJECT # : (none)
PROJECT NAME : TANK 28

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	01-2000 TANK 28	NON-AQ	01/17/00	01/18/00	01/18/00	20

PARAMETER	DET. LIMIT	UNITS	01-2000 TANK 28
BENZENE	0.025	MG/KG	< 0.50
TOLUENE	0.025	**MG/KG**	**0.90**
ETHYLBENZENE	0.025	**MG/KG**	**0.89**
TOTAL XYLENES	0.025	**MG/KG**	**12**

SURROGATE:
BROMOFLUOROBENZENE (%) 109
SURROGATE LIMITS (65 - 120)

CHEMIST NOTES:
N/A

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

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

RECEIVED
SEP 2 1 1999
Environmental Bureau
Oil Conservation Division

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☒ No ☐	4. Generator: Giant Refining Company 5. Originating Site: Bloomfield Refinery
2. Management Facility Destination: Giant Mid-Continent	6. Transporter: Not Determined
3. Address of Facility Operator: 111 County Road 4990 Bloomfield, N.M. 87413	8. State: New Mexico
7. Location of Material (Street Address or ULSTR): 50 County 4990 Bloomfield, N.M.	87413

9. Circle One:

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

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

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

BRIEF DESCRIPTION OF MATERIAL:

Process waste water evaporation pond sludge. Analysis available.

RECEIVED
SEP 17 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 1500 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Barry Holman Waste Management Facility Authorized Agent TITLE: MGR. SAGE DATE: 9-17-99

TYPE OR PRINT NAME: BARRY Holman TELEPHONE NO. 505-632-4077

(This space for State Use)

APPROVED BY: Denny G. Foust TITLE: Geologist DATE: 9/20/99

APPROVED BY: Martyne J. Kieling TITLE: Environmental Geologist DATE: 9/21/99

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Giant Refining Company - Bloomfield 50 County Road 4990 Bloomfield, N.M. 87413	Giant Mid-Continent 111 County Road 4990 Bloomfield, N.M. 87413
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
Giant Refinery Attach list of originating sites as appropriate	50 County Road 4990
4. Source and Description of Waste	
Process waste water evaporation pond sludge. Sludge was removed from lined evaporation lagoon. Analytical data available.	

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

___ **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Lynn Shelton

Title: Environmental Manager

Date: September 16, 1999

TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
4725 Ripley Avenue, Suite A El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

ANALYTICAL RESULTS FOR
GIANT REFINING CO.-BLOOMFIELD
Attention: Lynn Shelton
111 County Road
Bloomfield, NM 87413

July 7, 1999
Receiving Date: 6/3/99
Sample Type: Sludge
Project No: N/A
Project Location: N/A

Prep Date: 7/1/99
Analysis Date: 7/1/99
Sampling Date: 6/2/99
Sample Condition: Intact & Cool
Sample Received by: AD
Project Name: N/A

FIELD CODE: S. POND SLUDGE
TA #: T125841/992603

8260 Compounds	Reporting Limit (ug/kg)	Concentration (ug/kg)	QC	RPD	EA	IA
Dichlorodifluoromethane	25	ND				
Chloromethane	25	ND				
Vinyl chloride	50	ND	107			107
Bromomethane	125	ND				
Chloroethane	25	ND				
Trichlorofluoromethane	25	ND				
1,1-Dichloroethene	25	ND	104	6	90	104
Methylene chloride	125	ND				
trans-1,2-Dichloroethene	25	ND				
1,1-Dichloroethane	25	ND				
cis-1,2-Dichloroethene	25	ND				
Chloroform	25	ND	102			102
2,2-Dichloropropane	25	ND				
Bromochloromethane	25	ND				
1,2-Dichloroethane	25	ND				
1,1,1-Trichloroethane	25	ND				
Carbon Tetrachloride	25	ND				
1,1-Dichloropropene	25	ND				
Benzene	25	54		1	112	
1,2-Dichloropropane	25	ND	100			100
Trichloroethene	25	ND		4	114	
Dibromomethane	25	ND				
Bromodichloromethane	25	ND				
cis-1,3-Dichloropropene	25	ND				
trans-1,3-Dichloropropene	25	ND				
Toluene	25	400	101	3	112	101
1,1,2-Trichloroethane	25	ND				
1,3-Dichloropropane	25	ND				
MTBE	25	ND				

GIANT REFINING CO.-BLOOMFIELD
Attention: Lynn Shelton
FIELD CODE: S. POND SLUDGE
TA #: T125841/992603

8260 Compounds	Reporting Limit (ug/kg)	Concentration (ug/kg)	QC	RPD	EA	IA
Dibromochloromethane	25	ND				
1,2-Dibromoethane	25	ND				
Tetrachloroethene	25	ND				
Chlorobenzene	25	ND	100	1	109	100
1,1,1,2-Tertachloroethane	25	ND				
Ethylbenzene	25	110	102			102
m & p-Xylene	25	630				
Bromoform	25	ND				
Styrene	25	ND				
o-Xylene	25	260				
1,1,2,2-Tetrachloroethane	25	ND				
1,2,3-Trichloropropane	25	ND				
Isopropylbenzene	25	ND				
Bromobenzene	25	ND				
2-Chlorotoluene	25	ND				
n-Propylbenzene	25	ND				
4-Chlorotoluene	25	ND				
1,3,5-Trimethylbenzene	25	130				
tert-Butylbenzene	25	ND				
1,2,4-Trimethylbenzene	25	380				
1,4-Dichlorobenzene	50	ND				
sec-Butylbenzene	25	ND				
1,3-Dichlorobenzene	50	ND				
4-Isopropyltoluene	25	ND				
1,2-Dichlorobenzene	50	ND				
n-Butylbenzene	25	ND				
1,2-Dibromo-3-chloropropane	125	ND				
1,2,3-Trichlorobenzene	125	ND				
Naphthalene	25	180				
1,2,4-Trichlorobenzene	125	ND				
Hexachlorobutadiene	125	ND				

	% Recovery
Dibromofluoromethane	103
Toluene-d8	100
4-Bromofluorobenzene	100

ND = Not Detected

Methods: EPA SW 846-5035, 8260B
CHEMIST: JG

Director, Dr. Blair Leftwich

7-7-99
Date

TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
4725 Ripley Avenue, Suite A El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

ANALYTICAL REPORT

CLIENT GIANT REFINING CO.
111 COUNTY RD 4990
BLOOMFIELD, NM 87413

SAMPLE NO. : 992603
INVOICE NO.: 22104219
REPORT DATE: 06-29-99
REVIEWED BY:
PAGE : 1 OF 2

CLIENT SAMPLE ID : S. POND SLUDGE
SAMPLE TYPE .....: sludge
SAMPLED BY .....: L.S.
SUBMITTED BY ....: Lynn Shelton
SAMPLE SOURCE ...: S. POND SLUDGE

AUTHORIZED BY : L. Shelton
CLIENT P.O. : --
SAMPLE DATE ...: 06-02-99
SUBMITTAL DATE : 06-03-99
EXTRACTION DATE: --

REMARKS -

Matrix spike and matrix spike duplicate were out of acceptance criteria range possibly due non-homogeneity of the sample for the following parameters: Lead, Cadmium, Selenium, Silver, and Copper. Matrix Spike Duplicate was out of acceptance criteria for Zinc and Manganese.

METALS SOLID-ICP

DATA TABLE

Parameter	Result	Unit	Detection Limit	Analysis Date	Test Method	Analyst
Total Silver	<1.3	mg/Kg	1.30	06-28-99	3111B	N. Munir
Total Arsenic	<5.00	mg/Kg	5.00	06-11-99	6010B	N. Munir
Total Barium	410	mg/Kg	5.00	06-11-99	6010B	N. Munir
Total Cadmium	<5.00	mg/Kg	5.00	06-11-99	6010B	N. Munir
Total Chromium	4.5	mg/Kg	5.00	06-08-99	3111B	N. Munir
Total Lead	6.5	mg/Kg	5.00	06-11-99	6010B	N. Munir
Total Selenium	<5.00	mg/Kg	5.00	06-11-99	6010B	N. Munir

(1) Copy to Client

Karen Cook
MANAGING DIRECTOR

TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
4725 Ripley Avenue, Suite A El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

ANALYTICAL REPORT

CLIENT GIANT REFINING CO.
111 COUNTY RD 4990
BLOOMFIELD, NM 87413

SAMPLE NO. : 992603
INVOICE NO.: 22104219
REPORT DATE: 06-29-99
REVIEWED BY:

DATA TABLE (Continue)

Parameter	Result	Unit	Detection Limit	Analysis Date	Test Method	Analyst
Total Mercury	6.8	mg/Kg	0.50	06-10-99	SW-7470	N. Munir
Total Aluminum	790	mg/Kg	25.0	06-21-99	6010B	N. Munir
Total Boron	<5.00	mg-Kg	5.00	06-18-99	6010B	N. Munir
Total Cobalt	<5.00	mg/Kg	5.00	06-18-99	6010B	N. Munir
Total Copper	<5.00	mg/Kg	5.00	06-18-99	6010B	N. Munir
Total Iron	6800	mg/Kg	2.5	06-21-99	6010B	N. Munir
Total Manganese	48.	mg/Kg	5.00	06-17-99	6010B	N. Munir
Total Molybdenum	<5.00	mg/Kg	5.00	06-18-99	6010B	N. Munir
Total Nickel	<5.00	mg/Kg	5.00	06-18-99	6010B	N. Munir
Total Zinc	100	mg/Kg	5.00	06-17-99	6010B	N. Munir

(1) Copy to Client

TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
4725 Ripley Avenue, Suite A El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

ANALYTICAL REPORT

CLIENT GAINT REFINING CO.
111 COUNTY ROAD 4990
BLOOMFIELD, NM 87413

SAMPLE NO. : 992603
INVOICE NO.: 22104219
REPORT DATE: 06-16-99
REVIEWED BY:
PAGE : 1 OF 1

CLIENT SAMPLE ID : S. POND SLUDGE
SAMPLE TYPE .....: sludge
SAMPLED BY .....: L.S.
SUBMITTED BY ....: Lynn Shelton
SAMPLE SOURCE ...: S. POND SLUDGE

AUTHORIZED BY : L. Shelton
CLIENT P.O. : --
SAMPLE DATE ...: 06-02-99
SUBMITTAL DATE : 06-03-99
EXTRACTION DATE: --

TCLP Metals

D A T A T A B L E

Parameter	Result	Unit	Detection Limit	Analysis Date	Test Method	Analyst
Arsenic (TCLP)	<0.50	mg/L	0.50	06-15-99	SW 7060A	N. Munir
Barium (TCLP)	<0.50	mg/L	0.50	06-15-99	SW 3010A/7080A	N. Munir
Cadmium (TCLP)	<0.50	mg/L	0.50	06-15-99	SW 3010A/7130	N. Munir
Chromium (TCLP)	<0.50	mg/L	0.50	06-08-99	SW 3010A/7190	N. Munir
Lead (TCLP)	<0.50	mg/L	0.50	06-15-99	SW 3010A/7420	N. Munir
Mercury (TCLP)	<0.010	mg/L	0.010	06-10-99	SW 7470A	N. Munir
Selenium (TCLP)	<0.50	mg/L	0.50	06-15-99	SW 7740	N. Munir
Silver (TCLP)	<0.50	mg/L	0.50	06-08-99	SW 7760A	N. Munir

(1) Copy to Client

TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
4725 Ripley Avenue, Suite A El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

ANALYTICAL RESULTS FOR
GIANT REFINING CO. BLOOMFIELD
Attention: Lynn Shelton
111 County Road 4990
Bloomfield, NM 87413

June 14, 1999
Receiving Date: 06/03/99
Sample Type: Sludge
Project No: N/A
Project Location: N/A

Sampling Date: 06/02/99
Sample Condition: I & C
Sample Received by: VW
Project Name: N/A

TA#	FIELD CODE	TCLP Cr (mg/L)
EPA LIMIT =		5.0
T125841/992603	S. Pond Sludge	<0.50
ICV		1.03
CCV		0.99
REPORTING LIMIT		0.50
RPD		2
% Extraction Accuracy	QA/QC	99
% Instrument Accuracy		101
EXTRACTION DATE		06/04/99
ANALYSIS DATE		06/07/99

METHODS: EPA 846-1311, 6010B
CHEMIST: RR
TCLP Cr SPIKE: 10 mg/L
TCLP Cr CV: 1.0 mg/L

Director, Dr. Blair Leftwich

6-14-99
DATE

TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
4725 Ripley Avenue, Suite A El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

ANALYTICAL RESULTS FOR
GIANT REFINING CO. BLOOMFIELD
Attention: Lynn Shelton
111 County Road 4990
Bloomfield, NM 87413

June 16, 1999
Receiving Date: 06/03/99
Sample Type: Sludge
Project No:
Project Location:

Extraction Date: 06/07/99
Analysis Date: 06/15/99
Sampling Date: 06/02/99
Sample Condition: I & C
Sample Received by: VW
Project Name:

TCLP VOLATILES (mg/L)	EPA Limit	Reporting Limit	T126322/992603 S. Pond Sludge	QC	RPD	%EA	%IA
Vinyl chloride	0.20	0.05	ND	112	6	116	112
1,1-Dichloroethene	0.70	0.05	ND	112	9	116	112
Methyl Ethyl Ketone	200.0	0.5	ND	85	12	86	85
Chloroform	6.00	0.05	ND	86	10	103	86
1,2-Dichloroethane	0.50	0.05	ND	81	12	93	81
Benzene	0.50	0.05	ND	96	9	112	96
Carbon Tetrachloride	0.50	0.05	ND	104	6	119	104
Trichloroethene	0.50	0.05	ND	96	7	114	96
Tetrachloroethene	0.70	0.05	ND	99	8	124	99
Chlorobenzene	100.00	0.05	ND	98	8	108	98
1,4-Dichlorobenzene	7.50	0.05	ND	94	8	108	94

SURROGATES	% Recovery
Dibromofluoromethane	91
Toluene-d8	96
4-Bromofluorobenzene	93

ND = Not Detected

METHODS: EPA SW 846-1311, 8260.
CHEMIST: DG

Director, Dr. Blair Leftwich

06/16/99
Date

TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
4725 Ripley Avenue, Suite A El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

ANALYTICAL REPORT

CLIENT GIANT REFINING COMPANY
111 COUNTY ROAD 4990
BLOOMFIELD, NM 87413

SAMPLE NO.: 992603
INVOICE NO.: 22104219
REPORT DATE: 06-22-99
REVIEWED BY:
PAGE : 1 OF 2

CLIENT SAMPLE ID : S. POND SLUDGE	AUTHORIZED BY : L. Shelton
SAMPLE TYPE .....: sludge	CLIENT P.O. : --
SAMPLED BY .....: L.S.	SAMPLE DATE ...: 06-02-99
SUBMITTED BY ....: Lynn Shelton	SUBMITTAL DATE : 06-03-99
SAMPLE SOURCE ...: S. POND SLUDGE	EXTRACTION DATE: 06-15-99
ANALYST .....: S. Ortiz	ANALYSIS DATE .: 06-16-99

REMARKS -

Pyridine is out of acceptance criteria in laboratory control sample. Results are acceptable in the laboratory control sample duplicate and the matrix spikes.
Hexachorobenzene Relative Percent Difference between Laboratory Control Samples is out of acceptance criteria.
Detection limits raised due to interference.

TCLP Semi - Volatiles by EPA 8270C

D A T A T A B L E

Parameter	Result	Unit	Detection Limit
Pyridine	<0.25	mg/L	0.25
1,4-Dichlorobenzene	<0.25	mg/L	0.25
2-Methylphenol	<0.25	mg/L	0.25
4-Methylphenol	<0.25	mg/L	0.25
Hexachloroethane	<0.25	mg/L	0.25
Nitrobenzene	<0.25	mg/L	0.25
Hexachlorobutadiene	<0.25	mg/L	0.25
2,4,6-Trichlorophenol	<0.25	mg/L	0.25
2,4,5-Trichlorophenol	<0.25	mg/L	0.25
2,4-Dinitrotoluene	<0.25	mg/L	0.25
Hexachlorobenzene	<0.25	mg/L	0.25
Pentachlorophenol	<0.25	mg/L	0.25

(1) Copy to Client

MANAGING DIRECTOR

TRACE ANALYSIS, INC.

ANALYTICAL REPORT

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
4725 Ripley Avenue, Suite A El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

CLIENT GIANT REFINING COMPANY
111 COUNTY ROAD 4990
BLOOMFIELD, NM 87413

SAMPLE NO. : 992603
INVOICE NO.: 22104219
REPORT DATE: 06-22-99
REVIEWED BY:

D A T A T A B L E (Cont.)

Surrogate Information -

	Percent Recovery	Range
2-Flourophenol	33.1	11-114
Phenol-D6	25.6	13-130
Nitrobenzene-d5	61.0	1-198
2-Flurobiphenyl	71.2	19-152
2,4,6-Tribromophenol	93.4	1-179
Terphenyl-d14	154.0	15-195

(1) Copy to Client

TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
4725 Ripley Avenue, Suite A El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

ANALYTICAL REPORT

CLIENT GAINT REFINING CO.
111 COUNTY RD. 4990
BLOOMFIELD, NM 87413

SAMPLE NO. : 992603
INVOICE NO.: 22104219
REPORT DATE: 06-22-99
REVIEWED BY:
PAGE : 1 OF 2

CLIENT SAMPLE ID : S. POND SLUDGE
SAMPLE TYPE .....: sludge
SAMPLED BY .....: L.S.
SUBMITTED BY ....: Lynn Shelton
SAMPLE SOURCE ...: S. POND SLUDGE
ANALYST .....: S. Ortiz

AUTHORIZED BY : L. Shelton
CLIENT P.O. : --
SAMPLE DATE ...: 06-02-99
SUBMITTAL DATE : 06-03-99
EXTRACTION DATE: 06-14-99
ANALYSIS DATE .: 06-15-99

REMARKS -

Detection limits raised due to sample dilution.

PAH - Soil by 8270C

D A T A T A B L E

Parameter	Result	Unit	Detection Limit
Naphthalene	<6.0	mg/Kg	6.0
Acenaphthylene	<6.0	mg/Kg	6.0
Acenaphthene	<6.0	mg/Kg	6.0
Fluorene	<6.0	mg/Kg	6.0
Anthracene	<6.0	mg/Kg	6.0
Phenanthrene	<6.0	mg/Kg	6.0
Fluoranthene	<6.0	mg/Kg	6.0
Pyrene	<6.0	mg/Kg	6.0
Benz[a]anthracene	<6.0	mg/Kg	6.0
Chrysene	<6.0	mg/Kg	6.0
Benzo[b&k]fluoranthene	<6.0	mg/Kg	6.0
Benzo[a]pyrene	<6.0	mg/Kg	6.0
Indeno[1,2,3-cd]pyrene	<6.0	mg/Kg	6.0
Dibenz[a,h]anthracene	<6.0	mg/Kg	6.0
Benzo[g,h,i]perylene	<6.0	mg/Kg	6.0

(1) Copy to Client

MANAGING DIRECTOR

TRACE ANALYSIS, INC.

ANALYTICAL REPORT

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
4725 Ripley Avenue, Suite A El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

CLIENT GAINT REFINING CO.
111 COUNTY RD. 4990
BLOOMFIELD, NM 87413

SAMPLE NO.: 992603
INVOICE NO.: 22104219
REPORT DATE: 06-22-99
REVIEWED BY:

DATA TABLE (Cont.)

Surrogate Information -

	Percent Recovery	Range
Phenol-d5	61.4	13-130
2-Fluorobiphenyl	88.1	19-152
2,4,6 Tribromophenol	90.3	1-179
2-Fluorophenol	52.4	11-114
Terphenyl-d14	100.0	15-195
Nitrobenzene-d5	47.6	1-198

(1) Copy to Client

TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
4725 Ripley Avenue, Suite A El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

ANALYTICAL REPORT

CLIENT GIANT REFINING CO.
111 COUNTY ROAD 4990
BLOOMFIELD, NM 87413

SAMPLE NO. : 992603
INVOICE NO.: 22104219
REPORT DATE: 06-23-99
REVIEWED BY:
PAGE : 1 OF 1

CLIENT SAMPLE ID : S. POND SLUDGE
SAMPLE TYPE .....: sludge
SAMPLED BY .....: L.S.
SUBMITTED BY ....: Lynn Shelton
SAMPLE SOURCE ...: S. POND SLUDGE

AUTHORIZED BY : D. Overhoff
CLIENT P.O. : --
SAMPLE DATE ...: 06-02-99
SUBMITTAL DATE : 06-03-99
EXTRACTION DATE: --

REMARKS -

Detection limit raised for Sulfate due to interference.
Fluoride Matrix Spike level below reporting limit. Matrix Spike data not valid.

Inorganic Non-Metals-Solids
Modified Methods Based on Water Extracts

D A T A T A B L E

Parameter	Result	Unit	Detection Limit	Analysis Date	Test Method	Analyst
Nitrate Nitrogen	800	mg/Kg	10.	06-04-99	EPA-300.0	A. Myers
Sulfate	520	mg/Kg	110	06-04-99	EPA-300.0	A. Myers
Chloride	1100	mg/Kg	50.	06-04-99	EPA-300.0	A. Myers
Fluoride	<20.	mg/Kg	20.	06-04-99	EPA-300.0	A. Myers
pH	8.6	S.U.		06-07-99	SW-9045C	A. Myers
Temp, C: at time of pH	20.9			06-07-99		A. Myers

(1) Copy to Client

Karen Cook
MANAGING DIRECTOR

TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
4725 Ripley Avenue, Suite A El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

ANALYTICAL RESULTS FOR
GIANT REFINING CO. BLOOMFIELD
Attention: Lynn Shelton
111 County Road 4990
Bloomfield, NM 87413

June 14, 1999
Receiving Date: 06/03/99
Sample Type: Sludge
Project No: N/A
Project Location: N/A

Sampling Date: 06/02/99
Sample Condition: I & C
Sample Received by: VW
Project Name: N/A

TA#	FIELD CODE	CYANIDE (mg/L)	PHENOLICS (mg/L)
T125841/992603	S. Pond Sludge	<0.025	0.549
ICV		0.126	0.835
CCV		0.121	0.850
REPORTING LIMIT		0.025	0.002
RPD		1*	8
% Extraction Accuracy		103*	116
% Instrument Accuracy		105	104

QA/QC

***Matrix spikes failed so blank spikes were used for RPD & %EA.**

PREP DATE	06/09/99	06/10/99
ANALYSIS DATE	06/09/99	06/10/99

METHODS: EPA SM 4500 CN-C,E,
CHEMIST: MD
CYANIDE SPIKE: 3.0 mg/L CYANIDE
PHENOLICS SPIKE: 0.8 mg/L PHENOLICS

CYANIDE CV: 0.120 mg/L CYANIDE
PHENOLICS CV: 0.8 mg/L PHENOLICS

Director, Dr. Blair Leftwich

6-14-99
Date

TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
4725 Ripley Avenue, Suite A El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

ANALYTICAL RESULTS FOR
GIANT REFINING CO. BLOOMFIELD
Attention: Lynn Shelton
111 County Road 4990
Bloomfield, NM 87413

June 14, 1999
Receiving Date: 06/03/99
Sample Type: Sludge
Project No: N/A
Project Location: N/A

Sampling Date: 06/02/99
Sample Condition: I & C
Sample Received by: VW
Project Name: N/A

TA#	FIELD CODE	TOTAL Cr (mg/kg)
T125841/992603	S. Pond Sludge	4.8
ICV		1.04
CCV		1.04
REPORTING LIMIT		2.0
RPD		1
% Extraction Accuracy		103
% Instrument Accuracy		104
EXTRACTION DATE		06/09/99
ANALYSIS DATE		06/10/99

METHODS: EPA 846-1311, 6010B
CHEMIST: RR
TOTAL Cr SPIKE: 200 mg/kg
TOTAL Cr CV: 1.0 mg/L

Director, Dr. Blair Leftwich

6-14-99
DATE

6701 Aberdeen Avenue, Ste. 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

TraceAnalysis, Inc.

4725 Ripley Dr., Ste A
El Paso, Texas 79922-1028
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID #

Company Name: GIANT REFINING CO. - BLOOMFIELD Phone #: (505) 632 4168

Address: (Street, City, Zip) 111 COUNTY ROAD 4990 BLOOMFIELD NM 13 Fax #: (505) 632 4024

Contact Person: LYNN SHELTON

Invoice to: (If different from above) P.O. BOX 159 BLOOMFIELD, NM 87413

Project #: Project Name:

Project Location: Sampler Signature: Lynn Shelton

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	~~TCLP Pesticides~~ CYANIDE-T	~~RCI~~ NO3	GC-MS Vol. 8260B/624*	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	WQCC CONSTITUENTS*	T-METALS*			Turn Around Time if different from standard	Hold
992603	S. POND SLUDGE	2					X			X		6/2/99	202						X	X	X	X	X	X					X				

Relinquished by: Lynn Shelton Date: 6/2/99 Time: 4:00

Received by: Date: Time:

Relinquished by: Date: Time:

Received by: Date: Time:

Relinquished by: Date: Time:

Received at Laboratory by: A. Montoya Date: 6/3/99 Time: 1000

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C.

LAB USE ONLY

Intact Y N NA

Headspace Y N

Temp 20 C°

Log-in Review

Carrier # UPS # 1Z 881 831 1006 2016

REMARKS:
* SEE LIST

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

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

RECEIVED
APR 0 3 1999
Environmental Bureau
Oil Conservation Division

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ XX Verbal Approval Received: Yes ☐ No ☒ XX	4. Generator Giant Transportation
2. Management Facility Destination Giant Mid-Continent Landfarm Sec 16 T25N R12W	5. Originating Site 1/4 Mile North of Intersection CR7800 and CR7825 on CR7825
3. Address of Facility Operator 111 CR 4990 Bloomfield, NM. 87413	6. Transporter Giant Transportation
7. Location of Material (Street Address or ULSTR)	8. State New Mexico
	Giant Mid-Continent Landfarm Sec16 T25N 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:

Crude Oil contaminated soil from a pup rollover accident located 1/4 mile North of Intersection CR7800 and CR7825 on CR7825. 140 yards of contaminated soil that is located at the Giant Mid-Continent Landfarm, Sec.16 T25N R12W.

RECEIVED
APR - 6 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 166 cy Known Volume (to be entered by the operator at the end of the haul) 166 cy

SIGNATURE: Barry Holman Waste Management Facility Authorized Agent TITLE: Safety/Environment MGR. DATE: 4/5/99

TYPE OR PRINT NAME: Barry Holman TELEPHONE NO. 505-632-4077

(This space for State Use)

APPROVED BY: Denny G. Foust TITLE: Geologist DATE: 4/7/99

APPROVED BY: Martyne J. Kieling TITLE: Env. Geologist DATE: 4/8/99

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Giant Transportation 111 CR 4990 Bloomfield, NM 87413	Giant Mid-Continent Landfarm Sec16 T25N R12W
3. Originating Site (name): 1/4 mile North Of intersection CR7800 and CR7825 on CR7825 **Attach list of originating sites as appropriate**	**Location of the Waste (Street address &/or ULSTR):** Giant Mid-Continent Landfarm Sec16 T25N R12W
4. Source and Description of Waste Giant Transportation roll over accident that involved the Pup Trailer only, this accident occured on 3/31/99. The roll over caused the pup trailer to fail causing a spill of 30 barrels of crude oil. The crude oil contaminated 140 yards of sandy soil that was picked up and transported to the Giant Mid-Continent Landfarm.	

I, Joe Stevens (Print Name) representative for:

Giant Transportation 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

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

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

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

___ MSDS Information
___ RCRA Hazardous Waste Analysis
___ Chain of Custody

XX Other (description):

Knwoledge of Process

Name (Original Signature): Joe E. Stevens

Title: Crude Transportation Manager

Date: 4/5/99

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

July 29, 1998

CERTIFIED MAIL
RETURN RECEIPT NO. Z-357-869-974

Mr. Barry G. Holman
Safety and Environmental Manager
Giant Transportation
111 CR 4990
Bloomfield, New Mexico 87413

RE: CRUDE OIL PIPELINE SPILLS

Dear Mr. Townsend:

The New Mexico Oil Conservation Division (OCD) has reviewed the Giant Transportation (Giant) July 20, 1998, correspondence which presents the results of representative RCRA hazardous waste characteristic sampling of contaminated soils from pipeline related spills of crude oil. Giant requests that they be allowed to use these analyses and a statement of process knowledge for determining the soils to be RCRA non-hazardous during future crude oil pipeline spill remediations. These analyses are to be used in lieu of individual sampling of each spill event.

The above referenced request is approved with the following conditions:

1. The above representative analyses can be used in lieu of individual sampling of each spill event until further notice.

2. Giant will reference the above waste determination in all future RCRA non-exempt crude oil spill reports to the OCD.

3. Giant will notify the OCD within 24 hours of any system changes which could potentially alter the composition of any spilled crude such that RCRA hazardous waste characteristics in the spill area could be exceeded.

Please be advised that OCD approval does not relieve Giant of liability should these types of leaks and spills result in contamination of surface waters, ground waters or the environment. In addition, OCD approval does not relieve Giant of responsibility for compliance with any other federal, state or local laws and/or regulations. If you have questions please contact me at (505) 827-7152.

Sincerely,

Roger C. Anderson
Environmental Bureau Chief

xc: OCD Aztec District Office
NMED Hazardous and Radioactive Waste Bureau

strict I - (505) 393-6161
O. Box 1980
obbs, NM 88241-1980
strict II - (505) 748-1283
1 S. First
esia, NM 88210
strict III - (505) 334-6178
1 Rio Brazos Road
c, NM 87410
strict IV - (505) 827-7131

New Mexico
Energy Min als and Natural Resources Dep ment
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Giant Refining Co.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Same
2. Management Facility Destination Giant mid-Continent, Inc.	6. Transporter Same
3. Address of Facility Operator 111 CR 4990	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 50 CR 4990	

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:

Crude oil contaminated soil. Approximately 5 yd^3 soil containing approximately 2 BBL of crude oil.

RECEIVED
JAN 11 1999
OIL CON. DIV.
DIST. 3

Holding for Lynn's signature

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

SIGNATURE: Barry Holman Waste Management Facility Authorized Agent TITLE: Safety/Environmental Manager DATE: 10/8/98

TYPE OR PRINT NAME: Barry Holman TELEPHONE NO. (505) 632-4077

(This space for State Use)

APPROVED BY: Denny G. Kent TITLE: Geologist DATE: 1/11/99

APPROVED BY: Martyne J. Kieling TITLE: Env. Geologist DATE: 1/12/99

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Giant Refining Company-Bloomfield 50 Road 4990 Bloomfield, NM 87413	Giant Mid Continent, Inc. 111 Road 4990 Bloomfield, NM 87413
3. Originating Site (name): Giant Refining Company-Bloomfield 50 Road 4990 Bloomfield, NM 87413 **Attach list of originating sites as appropriate**	**Location of the Waste (Street address &/or ULSTR):** Same (Stored on impermeable pad)
4. Source and Description of Waste Crude oil contaminated soil from tank 41. Approximately 5yds containing approximately 2 BBL of crude oil. Truck driver overfilled tank causing release.	

I, Lynn Shelton (Print Name) representative for: Giant Refining Company-Bloomfield do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

___ **EXEMPT** oilfield waste

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

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

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

___ MSDS Information
___ RCRA Hazardous Waste Analysis
___ Chain of Custody
X Other (description): Knowledge of process. Letter attached

Name (Original Signature): Lynn Shelton

Title: Environmental Manager

Date: 12/9/98

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

July 29, 1998

CERTIFIED MAIL
RETURN RECEIPT NO. Z-357-869-974

Mr. Barry G. Holman
Safety and Environmental Manager
Giant Transportation
111 CR 4990
Bloomfield, New Mexico 87413

RE: CRUDE OIL PIPELINE SPILLS

Dear Mr. Townsend:

The New Mexico Oil Conservation Division (OCD) has reviewed the Giant Transportation (Giant) July 20, 1998, correspondence which presents the results of representative RCRA hazardous waste characteristic sampling of contaminated soils from pipeline related spills of crude oil. Giant requests that they be allowed to use these analyses and a statement of process knowledge for determining the soils to be RCRA non-hazardous during future crude oil pipeline spill remediations. These analyses are to be used in lieu of individual sampling of each spill event.

The above referenced request is approved with the following conditions:

1. The above representative analyses can be used in lieu of individual sampling of each spill event until further notice.

2. Giant will reference the above waste determination in all future RCRA non-exempt crude oil spill reports to the OCD.

3. Giant will notify the OCD within 24 hours of any system changes which could potentially alter the composition of any spilled crude such that RCRA hazardous waste characteristics in the spill area could be exceeded.

Please be advised that OCD approval does not relieve Giant of liability should these types of leaks and spills result in contamination of surface waters, ground waters or the environment. In addition, OCD approval does not relieve Giant of responsibility for compliance with any other federal, state or local laws and/or regulations. If you have questions please contact me at (505) 827-7152.

Sincerely,

Roger C. Anderson
Environmental Bureau Chief

xc: OCD Aztec District Office
NMED Hazardous and Radioactive Waste Bureau

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

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ XX Verbal Approval Received: Yes ☐ No ☐	4. Generator Giant Transportation
	5. Originating Site 3.7 miles from intersection US550 & NM 574
2. Management Facility Destination	6. Transporter Giant Transportation
3. Address of Facility Operator	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	111 CR 4990 Bloomfield, NM 87413

9. Circle One:

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

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

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

BRIEF DESCRIPTION OF MATERIAL:
Crude oil contaminated soil from truck roll over 3.7 miles from the intersection of US 550 and NM 574.

RECEIVED
OCT 7 1998
OIL CON. DIV.
DIST. 3

Knowledge of process attached.

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

SIGNATURE: Barry Holman Waste Management Facility Authorized Agent TITLE: Safety/Environmental Mgr. DATE: 10/5/98

TYPE OR PRINT NAME: Barry Holman TELEPHONE NO. (505) 632-4077

(This space for State Use)

APPROVED BY: Denny G. Foust TITLE: Geologist DATE: 10/7/98

APPROVED BY: Martyne J. Kieling TITLE: Env. Geologist DATE: 10-8-98

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Giant Transportation 111 CR 4990 Bloomfield, NM 87413	Giant Mid-Continent Land Farm Sec. 16 T25N R12W
3. Originating Site (name): 3.7 miles from intersetion of US550 and NM 574. Truck roll over **Attach list of originating sites as appropriate**	**Location of the Waste (Street address &/or ULSTR):** Giant Transportation 111 CR 4990 Bloomfield, NM 87413
4. Source and Description of Waste Giant Transportation roll over accident that occured on 10-4-98. Waste is soil picked up from a small leak thta occured as a result of the roll over accident.. Six yards of contaminated soil.	

I, Roy Armenta (Print Name) representative for: Giant Transportation 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

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

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

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

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

Name (Original Signature): Roy Armenta

Title: Pipeline Manager

Date: 10-5-98

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

July 29, 1998

CERTIFIED MAIL
RETURN RECEIPT NO. Z-357-869-974

Mr. Barry G. Holman
Safety and Environmental Manager
Giant Transportation
111 CR 4990
Bloomfield, New Mexico 87413

RE: CRUDE OIL PIPELINE SPILLS

Dear Mr. Townsend:

The New Mexico Oil Conservation Division (OCD) has reviewed the Giant Transportation (Giant) July 20, 1998, correspondence which presents the results of representative RCRA hazardous waste characteristic sampling of contaminated soils from pipeline related spills of crude oil. Giant requests that they be allowed to use these analyses and a statement of process knowledge for determining the soils to be RCRA non-hazardous during future crude oil pipeline spill remediations. These analyses are to be used in lieu of individual sampling of each spill event.

The above referenced request is approved with the following conditions:

1. The above representative analyses can be used in lieu of individual sampling of each spill event until further notice.

2. Giant will reference the above waste determination in all future RCRA non-exempt crude oil spill reports to the OCD.

3. Giant will notify the OCD within 24 hours of any system changes which could potentially alter the composition of any spilled crude such that RCRA hazardous waste characteristics in the spill area could be exceeded.

Please be advised that OCD approval does not relieve Giant of liability should these types of leaks and spills result in contamination of surface waters, ground waters or the environment. In addition, OCD approval does not relieve Giant of responsibility for compliance with any other federal, state or local laws and/or regulations. If you have questions please contact me at (505) 827-7152.

Sincerely,

Roger C. Anderson
Environmental Bureau Chief

xc: OCD Aztec District Office
NMED Hazardous and Radioactive Waste Bureau

District I - (505) 393-6161
O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
11 S. First
rtesia, NM 88210
trict III - (505) 334-6178
Rio Brazos Road
c, NM 87410
istrict IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Giant Refining Co.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Same
2. Management Facility Destination Giant mid-Continent, Inc.	6. Transporter Same
3. Address of Facility Operator 111 CR 4990	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 50 CR 4990	

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:

Crude oil contaminated soil. Approximately 5 yd^3 soil containing approximately 2 BBL of crude oil.

RECEIVED
NOV 18 1998
OIL CONSERVATION DIVISION

RECEIVED
NOV 16 1998
OIL CON. DIV.
DIST. 3

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

SIGNATURE: Barry Holman Waste Management Facility Authorized Agent TITLE: Safety/Environmental Manager DATE: 10/8/98

TYPE OR PRINT NAME: Barry Holman TELEPHONE NO. (505) 632-4077

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

DENIED Resubmit

APPROVED BY: _____ TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Giant Refining Co.-Bloomfield 50 CR 4990 Bloomfield, NM 87413	Giant Mid-Continent, Inc. 111 CR 4990 Bloomfield, NM 87413
3. Originating Site (name): Giant Refining Co.-Bloomfield 50 CR 4990 Bloomfield, NM 87413 **Attach list of originating sites as appropriate**	**Location of the Waste (Street address &/or ULSTR):** Same (Stored on impermeable pad)
4. Source and Description of Waste Crude oil contaminated soil. Approximately 5 yd ^{3}. Containing approximately 2 BBL of crude oil.	

I, Roy Armenta representative for:
(Print Name)

Giant Transportation Company-Bloomfield 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

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

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

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

___ MSDS Information
___ RCRA Hazardous Waste Analysis
___ Chain of Custody
XX Other (description): Attached Knowledge of Process

Name (Original Signature): Roy Armenta

Title: Pipeline Manager

Date: 10/8/98

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

July 29, 1998

CERTIFIED MAIL
RETURN RECEIPT NO. Z-357-869-974

Mr. Barry G. Holman
Safety and Environmental Manager
Giant Transportation
111 CR 4990
Bloomfield, New Mexico 87413

RE: CRUDE OIL PIPELINE SPILLS

Dear Mr. Townsend:

The New Mexico Oil Conservation Division (OCD) has reviewed the Giant Transportation (Giant) July 20, 1998, correspondence which presents the results of representative RCRA hazardous waste characteristic sampling of contaminated soils from pipeline related spills of crude oil. Giant requests that they be allowed to use these analyses and a statement of process knowledge for determining the soils to be RCRA non-hazardous during future crude oil pipeline spill remediations. These analyses are to be used in lieu of individual sampling of each spill event.

The above referenced request is approved with the following conditions:

1. The above representative analyses can be used in lieu of individual sampling of each spill event until further notice.

2. Giant will reference the above waste determination in all future RCRA non-exempt crude oil spill reports to the OCD.

3. Giant will notify the OCD within 24 hours of any system changes which could potentially alter the composition of any spilled crude such that RCRA hazardous waste characteristics in the spill area could be exceeded.

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

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ XX Verbal Approval Received: Yes ☐ No ☐	4. Generator Ciniza Pipe Line 5. Originating Site Apache-Lybrook Stat. Sec. 1T23NR7W
2. Management Facility Destination Giant Mid-Continent, Inc. Land Farm T25NR12WS16	6. Transporter Giant Transportation
3. Address of Facility Operator	8. State New Mexico
7. Location of Material (Street Address or ULSTR) Lybrook Station Sec. 15 T23N 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:

Soil is contaminated with crude oil from a leak on the Apache-Lybrook line. This leask was on 11-2-97.

A copy of the knowledge of process is attached.

Estimated Volume 45 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Barry L. Holman TITLE: Manager Safety/Environment DATE: 9/3/98
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Barry Holman TELEPHONE NO. (505) 632-4077

(This space for State Use)

APPROVED BY: Denny G. Foust TITLE: Geologist DATE: 9/4/98

APPROVED BY: [illegible] TITLE: Bureau Chief DATE: 9/9/98

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Ciniza Pipe Line 111 CR 4990 Bloomfield, NM 87413	Giant Mid-Continent, Inc. Land Farm T25N R12W Sec. 16
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
Apache-Lybrook Line Sec. 1 T23N R7W Attach list of originating sites as appropriate	Lybrook Station Sec. 15 T23N R7W
4. Source and Description of Waste	
Waste is soil stained with crude oil from a leak on the Apache-Lybrook line dated 11/2/97.	

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

___ **EXEMPT** oilfield waste

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

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

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

___ MSDS Information
___ RCRA Hazardous Waste Analysis
___ Chain of Custody
_X_ Other (description): Knowledge of Process Letter

Name (Original Signature): Roy Armenta

Title: Pipeline Manager

Date: 8/3/98

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

July 29, 1998

CERTIFIED MAIL
RETURN RECEIPT NO. Z-357-869-974

Mr. Barry G. Holman
Safety and Environmental Manager
Giant Transportation
111 CR 4990
Bloomfield, New Mexico 87413

RE: CRUDE OIL PIPELINE SPILLS

Dear Mr. Townsend:

The New Mexico Oil Conservation Division (OCD) has reviewed the Giant Transportation (Giant) July 20, 1998, correspondence which presents the results of representative RCRA hazardous waste characteristic sampling of contaminated soils from pipeline related spills of crude oil. Giant requests that they be allowed to use these analyses and a statement of process knowledge for determining the soils to be RCRA non-hazardous during future crude oil pipeline spill remediations. These analyses are to be used in lieu of individual sampling of each spill event.

The above referenced request is approved with the following conditions:

1. The above representative analyses can be used in lieu of individual sampling of each spill event until further notice.

2. Giant will reference the above waste determination in all future RCRA non-exempt crude oil spill reports to the OCD.

3. Giant will notify the OCD within 24 hours of any system changes which could potentially alter the composition of any spilled crude such that RCRA hazardous waste characteristics in the spill area could be exceeded.

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

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Giant Transportation
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Lybrook Station Heater Treater
2. Management Facility Destination Giant Mid-Continent, Inc. Land Farm T25NR12WS16	6. Transporter Giant Transportation
3. Address of Facility Operator	8. State New Mexico
7. Location of Material (Street Address or ULSTR) Lybrook Station	Sec 15 T23N 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:

Clean out residue, sand, and gravel from Lybrook Heater Treater.

Estimated Volume 2.5 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Barry L. Holman Waste Management Facility Authorized Agent TITLE: Safety/Environment Manager DATE: 9/3/98

TYPE OR PRINT NAME: Barry Holman TELEPHONE NO. (505) 632-4077

(This space for State Use)

APPROVED BY: Denny G. Foust TITLE: Geologist DATE: 9/4/98

APPROVED BY: [signature] TITLE: Bureau Chief DATE: 9/8/98

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Giant Transportation 111 CR 4990 Bloomfield, NM 87413	Giant Mid Continent, Inc. Land Farm T25NR12WSec.16
3. Originating Site (name): Lybrook Heater Treater Sec. 15 T23NR7W **Attach list of originating sites as appropriate**	**Location of the Waste (Street address &/or ULSTR):** Lybrook Station Sec. 15 T23NR7W
4. Source and Description of Waste Clean out residue, sand, and gravel from Lybrook Heater Treater.	

I, Roy Armenta representative for:
(Print Name)
Giant Transportation 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

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

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

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

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

Name (Original Signature): Roy Armenta

Title: Pipe Line Manager

Date: September 3 1998

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

July 29, 1998

CERTIFIED MAIL
RETURN RECEIPT NO. Z-357-869-974

Mr. Barry G. Holman
Safety and Environmental Manager
Giant Transportation
111 CR 4990
Bloomfield, New Mexico 87413

RE: CRUDE OIL PIPELINE SPILLS

Dear Mr. Townsend:

The New Mexico Oil Conservation Division (OCD) has reviewed the Giant Transportation (Giant) July 20, 1998, correspondence which presents the results of representative RCRA hazardous waste characteristic sampling of contaminated soils from pipeline related spills of crude oil. Giant requests that they be allowed to use these analyses and a statement of process knowledge for determining the soils to be RCRA non-hazardous during future crude oil pipeline spill remediations. These analyses are to be used in lieu of individual sampling of each spill event.

The above referenced request is approved with the following conditions:

1. The above representative analyses can be used in lieu of individual sampling of each spill event until further notice.

2. Giant will reference the above waste determination in all future RCRA non-exempt crude oil spill reports to the OCD.

3. Giant will notify the OCD within 24 hours of any system changes which could potentially alter the composition of any spilled crude such that RCRA hazardous waste characteristics in the spill area could be exceeded.

Please be advised that OCD approval does not relieve Giant of liability should these types of leaks and spills result in contamination of surface waters, ground waters or the environment. In addition, OCD approval does not relieve Giant of responsibility for compliance with any other federal, state or local laws and/or regulations. If you have questions please contact me at (505) 827-7152.

Sincerely,

Roger C. Anderson
Environmental Bureau Chief

xc: OCD Aztec District Office
NMED Hazardous and Radioactive Waste Bureau

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

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Ciniza Pipe Line'
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Ciniza Refinery Sec. 33 T15N R15W
2. Management Facility Destination Giant Mid-Continent Sec. 16 T25N R12W	6. Transporter Giant Transportation
3. Address of Facility Operator 111 County Road 4990 Bloomfield, NM 87413	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	Ciniza Refinery Sec. 33 T15N R15W

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:

Crude oil-contaminated soil from Ciniza Refinery meter station

RECEIVED
JUL 27 1998
Environmental Bureau
Oil Conservation Division

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

Estimated Volume 3.7 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Tim Kinney Waste Management Facility Authorized Agent TITLE: General Manager DATE: 6/30/98

TYPE OR PRINT NAME: Tim Kinney TELEPHONE NO. (505) 632-4001

(This space for State Use)

APPROVED BY: Denny E. Foust TITLE: Geologist DATE: 7/21/98

APPROVED BY: Roger Anderson TITLE: Bureau Chief DATE: 7/29/98

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Ciniza Pipe Line 111 County Road 4990 Bloomfield, NM 87413	Giant Mid-Continent Land Farm Sec. 16 T25N R12W
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
Ciniza Refinery	Sec. 33 T15N R15W
Attach list of originating sites as appropriate	
4. Source and Description of Waste	
Approximately 3.7 yards of oil-stained dirt which was contaminated when a check valve on a sump pump discharge line failed and ran the sump over. Approximately 2.7 barrels of oil leaked into a diked area. Approximately one barrel was recovered.	

I, Roy Armenta (Print Name) representative for: Giant Transportation 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

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

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

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

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

Name (Original Signature): Roy Armenta

Title: Pipeline Manager

Date: 6/30/98

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

July 13, 1998

Mr. Barry Holman
Transportation Department
Giant Industries, Inc.
5764 Bloomfield Highway
Farmington, New Mexico 87401

Project No.: 97059-03

Dear Mr. Holman,

Enclosed are the analytical results for the sample collected from the location designated as "Cineza Plant - Cineza P.L. Receiving". One soil sample was collected by Giant Industries designated personnel on 07/02/98, and received by the Envirotech laboratory on 07/06/98 for Hazardous Waste Characterization analysis (TCLP Volatiles, Semi-volatiles, Trace Metals analysis, and Reactivity, Corrosivity, and Ignitability characterization).

The sample was documented on Envirotech Chain of Custody No. 6156 and assigned Laboratory No. D587 for tracking purposes. The sample was extracted on 07/07/98 and analyzed 07/07/98 - 07/10/98 using USEPA or equivalent methods.

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

Respectfully submitted,
Envirotech, Inc.

Stacy W Sendler

Stacy W. Sendler
Environmental Scientist/Laboratory Manager

enc.

SWS\sws

97059-03.lb2/wpd

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

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Giant Transportation	Project #:	97059-03
Sample ID:	Cineza P.L. Receiving	Date Reported:	07-09-98
Lab ID#:	D587	Date Sampled:	07-02-98
Sample Matrix:	Soil	Date Received:	07-06-98
Preservative:	Cool	Date Analyzed:	07-07-98
Condition:	Cool & Intact	Chain of Custody:	6156

Parameter	Result	
IGNITABILITY:	**Negative**	
CORROSIVITY:	**Negative**	**pH = 6.79**
REACTIVITY:	**Negative**	

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. *(i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)*
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. *(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)*
REACTIVITY:	Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. *(i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)*
Reference:	40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: **Cineza Plant.**

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:	Giant Transportation	Project #:	97059-03
Sample ID:	Cineza P.L. Receiving	Date Reported:	07-09-98
Laboratory Number:	D587	Date Sampled:	07-02-98
Chain of Custody:	6156	Date Received:	07-06-98
Sample Matrix:	Soil	Date Extracted:	07-07-98
Preservative:	Cool	Date Analyzed:	07-09-98
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	**ND**	**0.0001**	**0.2**
1,1-Dichloroethene	**ND**	**0.0001**	**0.7**
2-Butanone (MEK)	**0.0074**	**0.0001**	**200**
Chloroform	**ND**	**0.0001**	**6.0**
Carbon Tetrachloride	**ND**	**0.0001**	**0.5**
Benzene	**0.0125**	**0.0001**	**0.5**
1,2-Dichloroethane	**ND**	**0.0001**	**0.5**
Trichloroethene	**ND**	**0.0003**	**0.5**
Tetrachloroethene	**ND**	**0.0005**	**0.7**
Chlorobenzene	**ND**	**0.0003**	**100**
1,4-Dichlorobenzene	**ND**	**0.0002**	**7.5**

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	**98%**
	Bromofluorobenzene	**99%**

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

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

Comments: **Cineza Plant.**

Analyst

Review

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

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040
PHENOLS

Client:	Giant Transportation	Project #:	97059-03
Sample ID:	Cineza P.L. Receiving	Date Reported:	07-10-98
Laboratory Number:	D587	Date Sampled:	07-02-98
Chain of Custody:	6156	Date Received:	07-06-98
Sample Matrix:	Soil	Date Extracted:	07-07-98
Preservative:	Cool	Date Analyzed:	07-09-98
Condition:	Cool & Intact	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

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

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

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

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 19

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

Comments: **Cineza Plant. Spill @ Receiving Unit.**

Analyst

Review

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

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	Giant Transportation	Project #:	97059-03
Sample ID:	Cineza P.L. Receiving	Date Reported:	07-10-98
Laboratory Number:	D587	Date Sampled:	07-02-98
Chain of Custody:	6156	Date Received:	07-06-98
Sample Matrix:	Soil	Date Extracted:	07-07-98
Preservative:	Cool	Date Analyzed:	07-09-98
Condition:	Cool and Intact	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	**100%**

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

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

Comments: **Cineza Plant. Spill @ Receiving Unit.**

Analyst

Review

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

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Giant Transportation	Project #:	97059-03
Sample ID:	Cineza P.L. Receiving	Date Reported:	07-10-98
Laboratory Number:	D587	Date Sampled:	07-02-98
Chain of Custody:	6156	Date Received:	07-06-98
Sample Matrix:	Soil	Date Analyzed:	07-10-98
Preservative:	Cool	Date Extracted:	07-07-98
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	**ND**	**0.0001**	**5.00**
Barium	**2.12**	**0.001**	**100**
Cadmium	**0.0424**	**0.0001**	**1.00**
Chromium	**0.0223**	**0.0001**	**5.00**
Lead	**0.0254**	**0.0001**	**5.00**
Mercury	**ND**	**0.0001**	**0.200**
Selenium	**ND**	**0.0001**	**1.00**
Silver	**ND**	**0.0001**	**5.0**

ND - Parameter not detected at the stated detection limit.

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

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA. December 1996.

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

Comments: **Cineza Plant. Spill @ Receiving Unit.**

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

QUALITY ASSURANCE / QUALITY CONTROL

DOCUMENTATION

5796 U.S. Highway 64-3014 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	07-09-98
Laboratory Number:	07-09-TCV-Blank	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-09-98
Condition:	N/A	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	**100%**
	Bromofluorobenzene	**100%**

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

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

Comments: **QA/QC for sample D587.**

Analyst

Review

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

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	07-09-98
Laboratory Number:	07-07-TV-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-09-98
Condition:	N/A	Date Extracted:	07-07-98
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	98%

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

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

Comments: **QA/QC for sample D587.**

Analyst

Review

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

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	07-09-98
Laboratory Number:	D587	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	07-09-98
Condition:	N/A	Date Extracted:	N/A

Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	0.0074	0.0076	0.0001	1.6%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	0.0125	0.0123	0.0001	1.1%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0003	0.0%
Tetrachloroethene	ND	ND	0.0005	0.0%
Chlorobenzene	ND	ND	0.0003	0.0%
1,4-Dichlorobenzene	ND	ND	0.0002	0.0%

ND - Parameter not detected at the stated detection limit.

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

Comments: **QA/QC for sample D587.**

Analyst

Review

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

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	07-09-98
Laboratory Number:	D587	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	07-09-98
Condition:	N/A	Date Extracted:	N/A

Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.050	0.0495	0.0001	99%	28-163
1,1-Dichloroethene	ND	0.050	0.0494	0.0001	99%	43-143
2-Butanone (MEK)	0.0074	0.050	0.0569	0.0001	99%	47-132
Chloroform	ND	0.050	0.0498	0.0001	100%	49-133
Carbon Tetrachloride	ND	0.050	0.0491	0.0001	98%	43-143
Benzene	0.0125	0.050	0.0622	0.0001	100%	39-150
1,2-Dichloroethane	ND	0.050	0.0494	0.0001	99%	51-147
Trichloroethene	ND	0.050	0.0495	0.0003	99%	35-146
Tetrachloroethene	ND	0.050	0.0494	0.0005	99%	26-162
Chlorobenzene	ND	0.050	0.0489	0.0003	98%	38-150
1,4-Dichlorobenzene	ND	0.050	0.0485	0.0002	97%	42-143

ND - Parameter not detected at the stated detection limit.

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

Comments: **QA/QC for sample D587.**

Analyst

Review

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

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040
PHENOLS
Quality Assurance Report
Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	07-10-98
Laboratory Number:	07-09-TCA-Blank	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-09-98
Condition:	N/A	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

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

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

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

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 19

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

Comments: **QA/QC for sample D587.**

Analyst

Review

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

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040
PHENOLS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	07-10-98
Laboratory Number:	07-07-TCA-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extraction	Date Received:	N/A
Preservative:	Cool	Date Extracted:	07-07-98
Condition:	Cool & Intact	Date Analyzed:	07-09-98
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

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

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

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

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 19

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

Comments: **QA/QC for sample D587.**

Analyst

Review

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

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040
PHENOLS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	07-10-98
Laboratory Number:	D587	Date Sampled:	N/A
Sample Matrix:	TCLP Extraction	Date Received:	N/A
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool & Intact	Date Analyzed:	07-09-98
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	**ND**	**ND**	**0.020**	**0.0%**
p,m-Cresol	**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. 198

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

Comments: **QA/QC for sample D587.**

Analyst

Review

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

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	07-10-98
Laboratory Number:	07-09-TBN Blank	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	07-09-98
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	**100%**

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

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

Comments: **QA/QC for sample D587.**

Analyst

Review

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

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	07-10-98
Laboratory Number:	07-07-TBN-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	07-07-98
Condition:	Cool and Intact	Date Analyzed:	07-09-98
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	**100%**

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

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

Comments: **QA/QC for sample D587.**

Analyst

Review

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

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	07-10-98
Laboratory Number:	D587	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	07-09-98
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

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

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

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

Comments: **QA/QC for sample D587.**

Analyst

Review

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

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	07-10-TCM QA/QC	Date Reported:	07-10-98
Laboratory Number:	D587	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	07-10-98
Condition:	N/A	Date Extracted:	07-07-98

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Barium	ND	ND	0.001	2.12	2.13	0.5%	0% - 30%
Cadmium	ND	ND	0.0001	0.0424	0.0432	1.9%	0% - 30%
Chromium	ND	ND	0.0001	0.0223	0.0227	1.8%	0% - 30%
Lead	ND	ND	0.0001	0.0254	0.0248	2.4%	0% - 30%
Mercury	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Silver	ND	ND	0.0001	ND	ND	0.0%	0% - 30%

Spike Conc. (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.1000	ND	0.0999	100%	80% - 120%
Barium	1.000	2.12	3.12	100%	80% - 120%
Cadmium	0.0500	0.0424	0.0929	101%	80% - 120%
Chromium	0.0500	0.0223	0.0720	100%	80% - 120%
Lead	0.1000	0.0254	0.1252	100%	80% - 120%
Mercury	0.0250	ND	0.0249	100%	80% - 120%
Selenium	0.1000	ND	0.0997	100%	80% - 120%
Silver	0.0500	ND	0.0498	100%	80% - 120%

ND -- Parameter not detected at the stated detection limit.

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

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

Methods 7060B, 7081, 7131A, 7191, 7470A, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA, December 1996.

Comments: **QA/QC for sample D587.**

Analyst

Review

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

CHAIN OF CUSTODY RECORD

6156

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
Giant Transportation	Cinteza Plant	

Sampler:	Client No.											
Barry Holman	97059-03											Remarks
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TCLP w/o 14 & 15						
Cinteza P.L. Receiving	7.2.98	9:30	D587	Soil	2	✓						Spill @ Receiving Unit.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Barry Holman	7-6-98	7:17 PM	Glenn P. Ajenen	7.6.98	7:17
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 NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

December 11, 1995

CERTIFIED MAIL
RETURN RECEIPT NO. Z-765-962-523

Mr. Tim Kinney
General Manager
Crude Gathering Operations
Giant Industries, Inc.
5764 US Highway 64
Farmington, New Mexico 87401

RE: CRUDE OIL TRANSPORTATION AND PIPELINE SPILLS

Dear Mr. Kinney:

The New Mexico Oil Conservation Division (OCD) has reviewed Giant Industries, Inc. (Giant) November 9, 1995 "HANDLING OF SOILS CONTAMINATED WITH CRUDE OIL". This document presents the results of representative RCRA hazardous waste characteristic sampling of contaminated soils from transportation related spills of crude oil. Giant requests that they be allowed to use these analyses and a statement of process knowledge for determining the soils to be RCRA non-hazardous. These analyses are to be used in lieu of individual sampling of each spill event.

The above referenced request is approved with the following conditions:

1. The above representative analyses can be used in lieu of individual sampling of each spill event until December 31, 1997.

2. Giant will reference the above waste determination in all future RCRA non-exempt crude oil spill reports to the OCD.

Please be advised that OCD approval does not relieve Giant of liability should these types of leaks and spills result in actual contamination of surface waters, ground waters or the environment. In addition, OCD approval does not relieve Giant of responsibility for compliance with any other federal, state or local laws and/or regulations.

If you have questions please contact me at (505) 827-5885.

Sincerely,

William C. Olson
Hydrogeologist
Environmental Bureau

xc: OCD Aztec District Office
Benito Garcia, NMED Hazardous and Radioactive Waste Bureau

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

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

RECEIVED
JUN 01 1998
Environmental Bureau
Oil Conservation Division

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ XX Verbal Approval Received: Yes ☐ No ☐	4. Generator Ciniza Pipeline 5. Originating Site Bisti Station T26N,R12W,S17
2. Management Facility Destination Giant Mid-Continent T25N,R16W, Sec16	6. Transporter Giant Transportation
3. Address of Facility Operator 111CR 4990 Bloomfield, NM. 87410	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	Bisti Station T26N,R12W, S17

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: Material is sand and gravel contaminated soil is from pipeline leak that developed in the bottem of a 10" transfer pipe from Arco's Bisti Station. The leak Occured on th Ciniza Bisti Station Property. The leaking crude oil traveled on a down hill slope onto Arco's Bisti Station property and was contained in a bermed area. The bermed area has a asphalt bottom with sand and gravel on top of the asphalt. All crude oil was contained within the berm. Giant Transportation used a transport truck to remove the standing oil and recovered 92 bbl

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

Exempt from testing based on OCD approved knowledge of process. DB7

Sent to Aztec 6/1/98

Estimated Volume 50 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Barry G. Holman TITLE: Safety Environment Manager DATE: 5/29/98
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Barry G. Holman TELEPHONE NO. 505-632-4077

(This space for State Use)

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

APPROVED BY: Montgomery J. Kelly TITLE: Env. Geologist DATE: 6/1/98

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Ciniza Pipeline 111 CR 4990 Bloomfield, NM. 87410	Giant Mid-Continent Landfarm T25N, R12W, Sec 16
3. Originating Site (name):	**Location of the Waste (Street address &/or ULSTR):**
Arco Bisti Station Attach list of originating sites as appropriate	T26N, R12W, S-17

4. Source and Description of Waste Material is sand and gravel contaminated soil from pipeline leak taht developed in the bottom of a 10" transfer pipe from Arco's Bisti Station. The leak occured on the Ciniza Bisti Station Property. The leaking crude oil traveled on a down hill slope onto Arco's Bisti Station property.and was contained in a bermed area. The bermed area has a asphalt bottom with sand and gravel on top of the asphalt. All Crude oil was contained within the berm. Giant Transportation used a transport truck to remove the standing oil and recovered 92 BBL's.

I, Roy Armenta (Print Name) representative for: Giant Transportation 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

XX **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):

- XX MSDS Information
- ___ RCRA Hazardous Waste Analysis
- ___ Chain of Custody
- XX Other (description): Form C-138, Form C-141

Name (Original Signature): Roy Armenta

Title: Pipeline Manager

Date: 5/29/98

#1

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

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

Form C-138
Originated 8/8/95

RECEIVED
MAY 05 1998
Environmental Bureau
Oil Conservation Division

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ (XX)	4. Generator Ciniza Pipeline
Verbal Approval Received: Yes ☐ No ☒ (XX)	5. Originating Site Verda Gallup
2. Management Facility Destination Giant Industries, Inc. T25N, R16W, Sec. 16	6. Transporter Giant Transpotation
3. Address of Facility Operator 111 CR 4990 Bloomfield NM. 87413	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	T30N, R16W, Sec. 9 Verda Gallup Station

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:

Close out of Verda Gallup Staion, removel of tanks and all contaminated soil Including 60 Yards of Iron Sulfide on Tank Bottoms. Total volume is estimated at 460 Yards.

TCLP and Re-Affirmation Statement Attached

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

Denny 5-5-98

Estimated Volume 460 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Barry L. Holman (Waste Management Facility Authorized Agent) TITLE: Manager of Safety & Environment DATE: 4/28/98

TYPE OR PRINT NAME: Barry L. Holman TELEPHONE NO. 505-632-4077

(This space for State Use)

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

APPROVED BY: Martyne J. Kieling TITLE: Env Geologist DATE: 5-5-98

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Cinza Pipeline 111 CR 4990 Bloomfield, NM. 87413	Giant Industries, Inc. Landfarm T 25N, R12W, Sec. 16
3. Originating Site (name): Verda Gallup Station **Attach list of originating sites as appropriate**	**Location of the Waste (Street address &/or ULSTR):** T 30N, R16 W, Sec. 9
4. Source and Description of Waste Close out of Verda Gallup Station, removel of tanks and all contaminated soil including 60 yards of tanks bottoms.	

I, Roy Armenta representative for:
(Print Name)
Giant Transportation 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

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

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

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

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

Name (Original Signature): Roy Armenta

Title: Pipeline Manager

Date: 4-28-98

PHILIP ENVIRONMENTAL

RADIATION & CONTAMINATION SURVEY LOG

Date: 4/28/98 Time: ____

Project Name Giant Transportation Verde-Gallup Station
Project No.: ____ Phase.Task: ____.____
Project Manager ____
Site Location Hogback Area, NM
Client Company GIANT
Site Address ____

Survey performed by: Cory Chavez
SIGNATURE
Exposure rate instrument: Ludlum Model 3 (SN110254) Model 44-2 (SN-PR110346
TYPE, PROBE TYPE, SERIAL NUMBER
Calibration due date: 8/1/98 Calibration check/response reading: 380 µR/hr:
Count rate instrument: ____
TYPE, PROBE TYPE, SERIAL NUMBER
Calibration due date: ____ Calibration check/response reading: ____ µR/hr:

Background Reading: 10-15 µR/hr
Battery check performed satisfactory?: ✓
Battery check performed satisfactory?: ___

DATE	ITEM SURVEYED	EXPOSURE READING (µR/hr)	LOOSE CONTAMINATION (DPM/100cm²)	BACKGROUND READING µR/hr or DPM/100 cm²	INITIALS and EMPLOEE NUMBER
4/28/98	Tank Bottom Material (Verde - Gallup)	Background 12 µR/hr.			CMC 6794

DPM = CPM / % Detector Efficiency

Percent efficiencies for the Ludlum 44-9 Geiger Muller "pancake" type probe are 30% for alpha particles and 10% for beta particles

Reviewed by: Cory Chavez

GIANT INDUSTRIES, INC.

REAFFIRMATION OF WASTE STATUS/NON-EXEMPT WASTE

I hereby certify that the attached Request for Approval and Certificate of Waste Status are for materials generated using the same procedures and equipment employed to generate the waste on which Toxicity Characteristic Leaching Procedures (TCLP) analysis was performed. I further certify that said material is from operations in the immediate Four Corners area

Date of TCLP 5-1-97

Printed Name Barry Holman

Title/Agency Manager Safety + Environmt

Address 111 CR 4990 Bloomfield, NM.

Signature Barry Holman

Date 4/28/98

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS SOLID WASTE ANALYSIS

Client:	Freemyer	Project #:	96070-3
Sample ID:	#1 Composite Tank Bottoms	Date Reported:	04-28-97
Lab ID#:	B177	Date Sampled:	04-26-97
Sample Matrix:	Solid	Date Received:	04-28-97
Preservative:	Cool	Date Analyzed:	04-28-97
Condition:	Cool & Intact	Chain of Custody:	5194

Parameter	Result	
IGNITABILITY:	**Negative**	
CORROSIVITY:	**Negative**	**pH = 4.57**
REACTIVITY:	**Negative**	

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. *(i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)*
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. *(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)*
REACTIVITY:	Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. *(i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)*
Reference:	40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.
Comments:	**Station #9 / Ciniza, Gallup Horse Shoe Field.**

Analyst

Review

5796 U.S. Highway 64-3014 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 186

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	Freemyer	Project #:	96070-3
Sample ID:	#1 Composite Tank Bottoms	Date Reported:	04-30-97
Laboratory Number:	B177	Date Sampled:	04-26-97
Chain of Custody:	5194	Date Received:	04-28-97
Sample Matrix:	Solid	Date Extracted:	04-28-97
Preservative:	Cool	Date Analyzed:	04-30-97
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)	0.0214	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0144	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	97%
	Bromofluorobenzene	100%

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

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

Comments: **Station #9 / Ciniza, Gallup Horse Shoe Field.**

Analyst

Review

5796 U.S. Highway 64-3014 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 186

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040
PHENOLS

Client:	Freemyer	Project #:	96070-3
Sample ID:	#1 Composite Tank Bottoms	Date Reported:	05-02-97
Laboratory Number:	B177	Date Sampled:	04-26-97
Chain of Custody:	5194	Date Received:	04-28-97
Sample Matrix:	Solid	Date Extracted:	04-28-97
Preservative:	Cool	Date Analyzed:	05-02-97
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	0.276	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	102%
	2,4,6-Tribromophenol	102%

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

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

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

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

Comments: **Station #9 / Ciniza, Gallup Horse Shoe Field.**

Analyst

Review

5796 U.S. Highway 64-3014 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 186

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	Freemyer	Project #:	96070-3
Sample ID:	#1 Composite Tank Bottoms	Date Reported:	05-02-97
Laboratory Number:	B177	Date Sampled:	04-26-97
Chain of Custody:	5194	Date Received:	04-28-97
Sample Matrix:	Solid	Date Extracted:	04-28-97
Preservative:	Cool	Date Analyzed:	05-02-97
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	**0.021**	**0.020**	**5.0**
Hexachloroethane	**0.098**	**0.020**	**3.0**
Nitrobenzene	**ND**	**0.020**	**2.0**
Hexachlorobutadiene	**ND**	**0.020**	**0.5**
2,4-Dinitrotoluene	**ND**	**0.020**	**0.13**
HexachloroBenzene	**0.065**	**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: **Station #9 / Ciniza, Gallup Horse Shoe Field.**

Analyst

Review

5796 U.S. Highway 64-3014 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 186

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Freemyer	Project #:	96070-3
Sample ID:	#1 Composite Tank Bottoms	Date Reported:	05-01-97
Laboratory Number:	B177	Date Sampled:	04-26-97
Chain of Custody:	5194	Date Received:	04-28-97
Sample Matrix:	Solid	Date Analyzed:	04-30-97
Preservative:	Cool	Date Extracted:	04-28-97
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	**ND**	**0.001**	**5.00**
Barium	**ND**	**0.01**	**100**
Cadmium	**ND**	**0.001**	**1.00**
Chromium	**ND**	**0.001**	**5.00**
Lead	**0.014**	**0.001**	**5.00**
Mercury	**ND**	**0.001**	**0.200**
Selenium	**ND**	**0.001**	**1.00**
Silver	**ND**	**0.001**	**5.0**

ND - Parameter not detected at the stated detection limit.

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

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

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

Comments: ***Station #9 / Ciniza Gallup Horse Shoe Field.***

Analyst

Review

5796 U.S. Highway 64-3014 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 186

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL

DOCUMENTATION

5796 U.S. Highway 64-3014 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 186

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:	04-30-97
Laboratory Number:	04-30-TCV.BLANK	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-30-97
Condition:	N/A	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	97%
	Bromofluorobenzene	101%

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

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

Comments: **QA/QC for samples B176 - B177.**

Analyst

Review

5796 U.S. Highway 64-3014 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 186

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:	04-30-97
Laboratory Number:	04-28-TCV.MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-30-97
Condition:	N/A	Date Extracted:	04-28-97
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	Bromofluorobenzene	101%

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

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

Comments: **QA/QC for samples B176 - B177.**

Analyst

Review

5796 U.S. Highway 64-3014 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 186

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:	04-30-97
Laboratory Number:	B176	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	04-30-97
Condition:	N/A	Date Extracted:	04-28-97

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)	0.0085	0.0085	0.0001	0.0%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	0.0057	0.0060	0.0001	5.3%
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 B176 - B177.**

Analyst

Review

5796 U.S. Highway 64-3014 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 186

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:	04-30-97
Laboratory Number:	B176	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	04-30-97
Condition:	N/A	Date Extracted:	04-28-97

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	0.0502	0.0001	100%	28-163
1,1-Dichloroethene	ND	0.050	0.0490	0.0001	98%	43-143
2-Butanone (MEK)	0.0085	0.050	0.0584	0.0001	100%	47-132
Chloroform	ND	0.050	0.0499	0.0001	100%	49-133
Carbon Tetrachloride	ND	0.050	0.0502	0.0001	100%	43-143
Benzene	0.0057	0.050	0.0549	0.0001	99%	39-150
1,2-Dichloroethane	ND	0.050	0.0493	0.0001	99%	51-147
Trichloroethene	ND	0.050	0.0500	0.0003	100%	35-146
Tetrachloroethene	ND	0.050	0.0488	0.0005	98%	26-162
Chlorobenzene	ND	0.050	0.0507	0.0003	101%	38-150
1,4-Dichlorobenzene	ND	0.050	0.0499	0.0002	100%	42-143

ND - Parameter not detected at the stated detection limit.

References:

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

Comments: **QA/QC for samples B176 - B177.**

Analyst

Review

5796 U.S. Highway 64-3014 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040
PHENOLS
Quality Assurance Report
Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	05-02-97
Laboratory Number:	05-02-TCA.BLANK	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-02-97
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	97 %

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

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

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1

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

Comments: **QA/QC for samples B176 - B177.**

Analyst

Review

5796 U.S. Highway 64-3014 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 186

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:	05-02-97
Laboratory Number:	04-28-TCA.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	04-28-97
Condition:	Cool & Intact	Date Analyzed:	05-02-97
		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	102%
	2,4,6-Tribromophenol	98%

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

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

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1

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

Comments: **QA/QC for samples B176 - B177.**

Analyst

Review

5796 U.S. Highway 64-3014 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 186

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:	05-02-97
Laboratory Number:	B176	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	04-28-97
Condition:	Cool & Intact	Date Analyzed:	05-02-97
		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	0.094	0.092	0.020	2.5%
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. 19

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

Comments: **QA/QC for samples B176 - B177.**

Analyst

Review

5796 U.S. Highway 64-3014 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 186

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:	05-02-97
Laboratory Number:	05-02-TBN.BLANK	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	05-02-97
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	**102%**

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

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

Comments: **QA/QC for samples B176 - B177.**

Analyst

Review

5796 U.S. Highway 64-3014 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	05-02-97
Laboratory Number:	04-28-TBN.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	04-28-97
Condition:	Cool and Intact	Date Analyzed:	05-02-97
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	99%

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

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

Comments: **QA/QC for samples B176 - B177.**

Analyst

Review

5796 U.S. Highway 64-3014 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 186

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:	05-02-97
Laboratory Number:	B176	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Extracted:	04-28-97
Condition:	N/A	Date Analyzed:	05-02-97
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	**0.022**	**0.022**	**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	**0.095**	**0.094**	**1.0%**	**0.020**
HexachloroBenzene	**0.026**	**0.025**	**5.3%**	**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 B176 - B177.**

Analyst

Review

5796 U.S. Highway 64-3014 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 186

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Blanks	Date Reported:	05-01-97
Laboratory Number:	N/A	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	04-30-97
Condition:	N/A	Date Extracted:	N/A

Parameter	Instrument Blank (mg/L)	Method Blank (mg/L)	Det. Limit (mg/L)
Arsenic	**ND**	**ND**	**0.001**
Barium	**ND**	**ND**	**0.01**
Cadmium	**ND**	**ND**	**0.001**
Chromium	**ND**	**ND**	**0.001**
Lead	**ND**	**ND**	**0.001**
Mercury	**ND**	**ND**	**0.001**
Selenium	**ND**	**ND**	**0.001**
Silver	**ND**	**ND**	**0.001**

ND - Parameter not detected at the stated detection limit.

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

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: **QA/QC for samples B176, B177 and B183.**

Analyst

Review

5796 U.S. Highway 64-3014 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 186

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	05-01-97
Laboratory Number:	B176	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	04-30-97
Condition:	N/A	Date Extracted:	04-28-97

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
Arsenic	**ND**	**ND**	**0.0%**
Barium	**0.43**	**0.42**	**2.4%**
Cadmium	**0.094**	**0.092**	**2.2%**
Chromium	**ND**	**ND**	**0.0%**
Lead	**0.168**	**0.164**	**2.4%**
Mercury	**ND**	**ND**	**0.0%**
Selenium	**ND**	**ND**	**0.0%**
Silver	**ND**	**ND**	**0.0%**

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	Trace Metals	**30 %**

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

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: **QA/QC for samples B176, B177 and B183.**

Analyst

Review

5796 U.S. Highway 64-3014 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 186

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	05-01-97
Laboratory Number:	B176	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	04-30-97
Condition:	N/A	Date Extracted:	04-28-97

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
Arsenic	**0.100**	**ND**	**0.099**	**99%**
Barium	**1.00**	**0.43**	**1.42**	**99%**
Cadmium	**0.050**	**0.094**	**0.142**	**99%**
Chromium	**0.050**	**ND**	**0.049**	**98%**
Lead	**0.100**	**0.168**	**0.263**	**98%**
Mercury	**0.025**	**ND**	**0.024**	**96%**
Selenium	**0.100**	**ND**	**0.099**	**99%**
Silver	**0.050**	**ND**	**0.051**	**102%**

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Acceptance Range %
	TCLP Metals	**80 - 120 %**

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

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: **QA/QC for samples B176, B177 and B183.**

Analyst

Review

5796 U.S. Highway 64-3014 • Farmington, NM 87401 • Tel 505 • 632 •·0615 • Fax 505 • 632 • 1865

PHILIP ENVIRONMENTAL

RADIATION & CONTAMINATION SURVEY LOG

PAGE 1 OF ____

Date: 4/28/98 Time: ____

Project Name Giant Transportation Verde-Gallup Station
Project No.: ____ Phase.Task: ____.____
Project Manager ____
Site Location Hogback Area, NM
Client Company GIANT
Site Address ____

Survey performed by: Cory Chavez (SIGNATURE)
Background Reading: 10-15 µR/hr
Exposure rate instrument: Ludlum Model 3 (SN110254) Model 44-2 (SN-PR110346 (TYPE, PROBE TYPE, SERIAL NUMBER)
Battery check performed satisfactory?: ✓
Calibration due date: 8/1/98
Calibration check/response reading: 380 µR/hr:
Count rate instrument: ____ (TYPE, PROBE TYPE, SERIAL NUMBER)
Battery check performed satisfactory?: ___
Calibration due date: ____
Calibration check/response reading: ____ µR/hr:

DATE	ITEM SURVEYED	EXPOSURE READING (µR/hr)	LOOSE CONTAMINATION (DPM/100cm²)	BACKGROUND READING µR/hr or DPM/100 cm²	INITIALS and EMPLOEE NUMBER
4/28/98	Tank Bottom Material (Verde - Gallup)	Background 12 µR/hr.			Cmc 6794

DPM = CPM / % Detector Efficiency

Percent efficiencies for the Ludlum 44-9 Geiger Muller "pancake" type probe are 30% for alpha particles and 10% for beta particles

Reviewed by: Cory Chavez

5194

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location	ANALYSIS/PARAMETERS
FREEMYER 9607C-3	STATION #9 / CINIZA Gallup Horse Shoe Field	

Sampler: (Signature): Mark D. Young

Chain of Custody Tape No.:

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TCLP Lab HD						Remarks
#1 Composite	4/26/97	1236	B177	Solid	2	✓						
TANK Bottoms												
				Samples received cool & intact								

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Mark D. Young	4/28/97	9:38	[signature]	4-28-97	8:38
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

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

Submit 3 copies to Appropriate District Office
DISTRICT I
P.O.Box 1980, Hobbs, NM 88241-1980
DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719
DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S Pacheco
Santa Fe, New Mexico 87504-2088

Form C-117 A
Revised 4-1-91

PERMIT NO. 3-590

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

Operator or Owner Ciniza Pipeline Address 111 CR 4990 Bloomfield NM 87413

Lease or Facility Name Verde Gallup Station Location Sec 9 T30N, R16W
U.L. - Sec. - Twp. - Rge.

OPERATION TO BE PERFORMED:

☒ Tank Cleaning ☒ Sediment Oil Removal ☐ Transportation of Miscellaneous Hydrocarbons

Operator or Owner Representative authorizing work Ciniza Pipeline

Date Work to be Performed

TANK CLEANING DATA Tank Number 1 & 2 Volume 1=10,000bbl 2=15,000bbl

Tank Type Volume Below Load Line

SEDIMENT OIL OR MISCELLANEOUS HYDROCARBON DATA

Sediment Oil from: ☐ Pit ☐ Cellar ☐ Other

MISCELLANEOUS OIL

Tank Bottoms From: ☒ Pipeline Station ☐ Crude Terminal ☐ Refinery ☐ Other*

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

Pipeline Break Oil or Spill ☐

*Other (Explain) Residual Iron Sulfide with minimum Hydrocarbon After recovering good oil.

VOLUME AND DESTINATION: Estimated Volume 60 Bbls. Field test volume of good oil 0 Bbls.
(Not required prior to Division approval)

Destination (Name and Location of treating plant or other facility) GIANT Industries, Inc
T25N, R12W, Sec16

DESTRUCTION OF SEDIMENT OIL BY: ☐ Burning ☐ Pit Disposal ☐ Use on Roads or firewalls ☐ Other

(Explain)

Location of Destruction Will be Landfarmed At location Stated Above

Justification of Destruction

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

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

Owner GIANT Industries, Inc
By Barry G Holman
Title Manager of SAFETY & ENVIRONMENT
Date 4/28/98

Transporter GIANT Transportation
Address 111 CR 4990 Bloomfield NM 87413
Signature Barry G Holman
Title Manager of SAFETY & ENVIRONMENT Date 4/28/98

OIL CONSERVATION DIVISION

Approved By SJ Title Dist. Supv. Date 4/29/98

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

DISTRIBUTION BY OCD	
	Santa Fe
	File
	Operator
	Transporter (2)