

GW - 32

## REPORTS

YEAR(S):

LAND TREATMENT  
UNIT WASTE

MEMORANDUM OF MEETING OR CONVERSATION

☒ Telephone

☐ Personal

Time 8:00 AM

Date 2-16-96

Originating Party

Other Parties

Pat Sanchez - OCD

Denny Faust OCD

Subject

Ciniza Land Farm Area - Request Dated 2-14-96  
from Mr. Stephen C. Morris w/ Giant Ciniza Refinery.

Discussion

ASK Denny if he had received the request and he said yes - I told I had Also - will wait until Denny sends his copy of the C-138 w/ results to me before I sign and send to Ciniza. We are both concerned about the total volume already deposited on the Land Farm - about 790 yd<sup>3</sup>, the current request calls for 250 yd<sup>3</sup>. Also, we have not received any of the sampling/Analysis for the treatment zone or background.

Conclusions or Agreements

I will call Ed Horst and Discuss the following  
1. The volume currently/and proposed to be deposited at the Land Farm. (2.) The background/treatment zone monitoring & Sample BTEX/TPH of the REM. Soil in Place.

Distribution

File,

Signed

*Robert W. Smith*

\*Note: See calculations on back →



OIL CONSERVATION DIVISION  
RECEIVED

Crude Gathering Operations

'96 MAR 4 AM 8 52

5764 US Highway 64  
Farmington, New Mexico  
87401

505  
632-8024  
632-8006

**CERTIFIED - RETURN RECEIPT REQUESTED**

February 8, 1996

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

Dear Ms. Morris:

Giant plans to remove the contaminated soil from Standing Rock Station and transport it to the company land farm at Ciniza Refinery near Gallup, New Mexico. Project should be complete by March 15, 1996.

Copies of drop ticket will be sent to your office.

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

Thank you,

✓ Roy Armenta  
Pipeline Manager  
Giant Transportation

/mn

cc: Tim Kinney  
Jacque Cumbie  
Kim Bullerdick

632-444 977 722



**Receipt for  
Certified Mail**

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

Sent to <b>MICHELLE MORRIS</b>	
Street and No. <b>P.O. BOX 339</b>	
P.O., State and ZIP Code <b>WINDOW ROCK, AZ 86515</b>	
Postage	\$ .32
Certified Fee	1.10
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	1.10
TOTAL Postage & Fees	\$ 2.52
Postmark or Date  2-8-96	

PS Form 3800, June 1991

GIANT INDUSTRIES ARIZONA, INC.  
CERTIFICATE of WASTE STATUS  
OILFIELD NON-EXEMPT WASTE  
NON-HAZARDOUS WASTE

Originating Location: Standing Rock Station Sec. 22-T19N-R15W

23.1 miles west of Crownpoint, NM McKinley County

Source: Soil contaminated with crude oil from leak in pump  
stuffing box

Disposal Location: Ciniza Refinery Landfarm

The appropriate documentation is hereto attached.

Check appropriate lines(s)

- ☐ Knowledge of process (previously filed letter attached)  
☒ RCRA TCLP Analysis (Volatiles, Semi-volatiles)  
☐ RCRA Metals  
☐ Corrosivity, Ignitability, Reactivity

"I hereby certify, as the agent for Giant Industries Arizona, Inc. that the contents of this waste consignment are fully and accurately described above and in the attached documents. I further certify that the waste is not a hazardous waste in that the waste is not a characteristic hazardous waste as defined by 40 CFR 261 Subpart C; is not a listed hazardous waste as defined by 40 CFR 261 Subpart D; and is not contaminated with a listed hazardous waste.

Name: Roy Armenta  
Title: Pipeline Manager  
Address: 5764 US Hwy 64  
Farmington, NM 87401  
Signature: *Roy Armenta*  
Date: 2-8-96

District I - (505) 393-6161  
P.O. Box 4940  
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

Roger Anderson  
Form C-138  
Originated 4/18/95

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>	4. Generator <u>Giant</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/>	5. Originating Site <u>Standing Rock Station</u>
2. Management Facility Destination <u>Ciniza Refinery</u>	6. Transporter <u>INN</u>
3. Address of Facility Operator <u>I-40, Exit 39 Jamestown, NM 87347</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR) <u>Standing Rock Station</u>	
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.  All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Soil contaminated with crude oil from leak in pump stuffing box.

NOTE: Sec. 22, T 19N., R.15W - 23.1 miles West of Crownpoint, New Mexico.

RECEIVED

FEB 20 1996

Environmental Bureau  
Oil Conservation Division

RECEIVED

FEB 15 1996

OIL CON. DIV.  
DIST. 3

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

SIGNATURE: Stephen C. Morris TITLE: Environmental Specialist DATE: 2-14-96  
Waste Management Facility Authorized Agent  
TYPE OR PRINT NAME: Stephen C. Morris TELEPHONE NO. 505/722-3833

(This space for State Use)

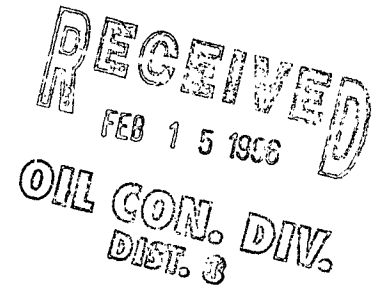
APPROVED BY: Denny G. Zent TITLE: Geologist DATE: 2/15/96  
APPROVED BY: Patricia W. [Signature] TITLE: Petroleum Engineer DATE: 2/20/96



Feb. 14, 1996

Route 3, Box 7  
Gallup, New Mexico  
87301

Mr. Denny G. Foust  
Deputy Oil & Gas Inspector  
Oil Conservation Division  
Energy, Minerals & Natural Resources Department  
1000 Rio Brazos Road  
Aztec, New Mexico 87410



Dear Mr. Foust:

SUBJECT: REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

Enclosed is one (1) "Request for Approval To Accept Solid Waste" into Giant's Land Treatment Unit. One copy has been sent to Santa Fe for their consideration as well.

The waste consists of crude oil contaminated soils from leak in pump Stuffing Box at Standing Rock Station - Section 22, T. 19N., R. 15W. - 23.1 miles West of Crownpoint, New Mexico.

If there are any questions please contact Ed Horst or myself at (505) 722 -0308.

Sincerely,

Stephen C. Morris, Environmental Specialist  
Giant Refinery

cc: David Pavlich  
Ed Horst  
File:



**Crude Gathering Operations**

5764 US Highway 64  
Farmington, New Mexico  
87401

505  
632-8024  
632-8006

**CERTIFIED - RETURN RECEIPT REQUESTED**

February 8, 1996

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

Dear Ms. Morris:

Giant plans to remove the contaminated soil from Standing Rock Station and transport it to the company land farm at Ciniza Refinery near Gallup, New Mexico. Project should be complete by March 15, 1996.

Copies of drop ticket will be sent to your office.

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

Thank you,

A handwritten signature in black ink, appearing to read "Roy Armenta", written in a cursive style.

Roy Armenta  
Pipeline Manager  
Giant Transportation

/mn

cc: Tim Kinney  
✓ Jacque Cumbie  
Kim Bullerdick

GIANT INDUSTRIES ARIZONA, INC.  
CERTIFICATE of WASTE STATUS  
OILFIELD NON-EXEMPT WASTE  
NON-HAZARDOUS WASTE

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23.1 miles west of Crownpoint, NM McKinley County

Source: Soil contaminated with crude oil from leak in pump  
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Disposal Location: Ciniza Refinery Landfarm

The appropriate documentation is hereto attached.

Check appropriate lines(s)

- ☐ Knowledge of process (previously filed letter attached)  
☒ RCRA TCLP Analysis (Volatiles, Semi-volatiles)  
☐ RCRA Metals  
☐ Corrosivity, Ignitability, Reactivity

"I hereby certify, as the agent for Giant Industries Arizona, Inc. that the contents of this waste consignment are fully and accurately described above and in the attached documents. I further certify that the waste is not a hazardous waste in that the waste is not a characteristic hazardous waste as defined by 40 CFR 261 Subpart C; is not a listed hazardous waste as defined by 40 CFR 261 Subpart D; and is not contaminated with a listed hazardous waste.

Name: Roy Armenta  
Title: Pipeline manager  
Address: 5764 Hwy 64  
Farmington, NM 87401  
Signature: Roy Armenta  
Date: 2-8-86





**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,

A handwritten signature in cursive script that reads "Roy Armenta".

Roy Armenta  
Pipeline Manager

/dm

Enclosure

cc Tim Kinney  
Jacque Cumbie  
Kim Bullerdick



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

DATE RECEIVED : 09/29/95

PROJECT # : 15230

PROJECT NAME: GIANT-STANDING ROCK

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.

Date Collected: 09/27/95

Client Name: ATI-NM

Date Analyzed: 11/02/95

Client Project ID: Giant - Standing Rock

Sample Matrix: Soil

Lab Workorder Number: 95-09-290

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



Analytical Technologies, Inc.

[0] Page 1  
Date 12-Oct-95

"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  
Client Sample Id: 95-09-290-01-05 (COMPOSITE)  
Sample Date/Time: 27-SEP-95 N/S  
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  
A = 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



Analytical Technologies, 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



Analytical Technologies, Inc.

TCLP METALS  
MATRIX SPIKE

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.

Date Collected: 09/27/95

Client Name: ATI-NM

Date Extracted: 10/05/95

Client Project ID: Giant - Standing Rock

Date Analyzed: 10/06/95

Lab Workorder Number: 95-09-290

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



Analytical Technologies, Inc.

# TCLP MATRIX SPIKE RESULTS

Modified Method 8020

Sample ID

Lab Name: Analytical Technologies, Inc.

Composite

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

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

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



Analytical Technologies, 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

ACCESSION NUMBER: 510046

ANALYSIS REQUESTED

PROJECT MANAGER: <u>Ken J</u>				
COMPANY: <u>ATI</u>				
ADDRESS: _____				
SAMPLER: <u>Calvin</u>				
PHONE NUMBER: <u>970-490-1511</u>				
FAX NUMBER: _____				
SAMPLE ID	SAMPLE DATE	SAMPLE TIME	MATRIX	LAB ID
<u>95-09-280-01</u>	<u>9-27</u>		<u>oil</u>	
<u>02</u>				
<u>03</u>				
<u>04</u>				
<u>05</u>				

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	
Number of Containers	

PROJECT INFORMATION	SAMPLE RECEIPT
PROJECT NUMBER: <u>95-09-280</u>	TOTAL NUMBER OF CONTAINERS: <u>5</u>
PROJECT NAME: <u>ATI. NM</u>	CHAIN OF CUSTODY SEALS Y/N: <u>Y</u>
PURCHASE ORDER NUMBER:	SEALS INTACT? Y/N/A: <u>Y</u>
TAT: <input type="checkbox"/> STANDARD <input checked="" type="checkbox"/> RUSH DUE: <u>10-12</u>	RECEIVED GOOD COND./COLD: <u>Y</u>
SAMPLE DISPOSAL: <input type="checkbox"/> HAZ WASTE \$5.00 <input type="checkbox"/> RAD CHEM \$15.00 <input type="checkbox"/> RETURN	
Comments: <u>* Composite 1-5 Sample flars</u>	
<u>Toto 1 Sample at Run.</u>	

RELINQUISHED BY: 1.	Signature: <u>[Signature]</u> Time: <u>11:00</u>
Printed Name: <u>[Name]</u>	Date: <u>10-2</u>
Company: <u>ATI</u>	
RECEIVED BY: 1.	Signature: <u>[Signature]</u> Time: <u>0728</u>
Printed Name: <u>[Name]</u>	Date: <u>10-2</u>
Company: <u>ATI - FL</u>	

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

RELINQUISHED BY: 3.	Signature: _____ Time: _____
Printed Name: _____	Date: _____
Company: _____	
RECEIVED BY: 3.	Signature: _____ Time: _____
Printed Name: _____	Date: _____
Company: _____	



# Chain of Custody

DATE 9-25-85 PAGE 1 OF 1

NETWORK PROJECT MANAGER: HEATH KRAKOWSKI Kim McNeil

ANALYSIS REQUEST

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

CLIENT PROJECT MANAGER: Kim McNeil

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	Eng. 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	9-22-85	10:25	Soil	01									X	X	X	X													M
-02		10:05		02									X	X	X	X													M
-03		10:40		03									X	X	X	X													M
-04		10:55		04									X	X	X	X													M
-05		11:10		05									X	X	X	X													M

PROJECT INFORMATION		SAMPLE RECEIPT		SAMPLES SENT TO:		RELINQUISHED BY: 1.		RELINQUISHED BY: 2.	
PROJECT NUMBER:	509406	TOTAL NUMBER OF CONTAINERS	15	SAN DIEGO		Signature:	<u>[Signature]</u>	Time:	15:08
PROJECT NAME:	Giant-Standing Rock	CHAIN OF CUSTODY SEALS	Y	FL. COLLINS		Printed Name:	<u>David Johnson</u>	Date:	9-29-85
OC LEVEL:	STD IV	INTACT?	Y	RENTON					
OC REQUIRED:	MS MSD BLANK	RECEIVED GOOD COND./COLD	Y	PENSACOLA					
TAT: STANDARD	RUSH	LAB NUMBER	95-C9-290	PORTLAND					
				PHOENIX					
				FIBROQUANT					
DUE DATE:	10/11					Signature:	<u>[Signature]</u>	Time:	1.
RUSH SURCHARGE:						Printed Name:	<u>[Signature]</u>	Date:	9-30
CLIENT DISCOUNT:	%								
	INVO# 404973					Company:	<u>Fed Ex</u>		
						Signature:	<u>[Signature]</u>	Time:	2.
						Printed Name:	<u>L. Hatfield</u>	Date:	9-30-85
						Company:	<u>ATI</u>		

**PHILIP**

**Chain of Custody Record**

4000 Monroe Road  
Farmington, NM 87401

(505) 326-2262 Phone  
(505) 326-2388 FAX

*Metals CORP*

COC Serial No. C 3124

509406

Project Name		Project Number		Phase . Task		Total Number of Bottles		Type of Analysis and Bottle		Comments	
Giant-5 Standing Rock		15230		1000.77				2oz glass, ICLP BTEX			
Samples		S. Kelly & J. Overman						2oz glass, ICLP PCB, REACT			
Laboratory		Name Analytical Technologies Inc						2oz glass, ICLP REACT			
		Location Albuquerque, NM						2oz glass, ICLP REACT			
Sample Number (and depth)	Date	Time	Matrix								
SE1	9/27/95	1025	Soil	4	✓	✓	✓	✓		509406-01	
SL1		1005		4	✓	✓	✓	✓		-02	
AL1		1040		4	✓	✓	✓	✓		-03	
AL1		1055		4	✓	✓	✓	✓		-04	
AL1		1110		4	✓	✓	✓	✓		-05	
<i>SEK 9/27/95</i>											

Relinquished by:

Received By:

Signature	Date	Time	Signature	Date	Time
<i>Mark Kelly</i>	9/28/95	0735	<i>Mark Kelly</i>	9:25	13:00

Samples Iced: ☒ Yes ☐ No

Carrier: *Fed Ex*

Airbill No.

Preservatives (ONLY for Water Samples)

- ☐ Cyanide
- ☐ Volatile Organic Analysis
- ☐ Metals
- ☐ TPH (418.1)
- ☐ 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 Blandfield, NM. Attn. Tim Kinney. Also report results to Mr. Kinney.



Feb. 14, 1996

RECEIVED  
FEB 16 1996

Route 3, Box 7  
Gallup, New Mexico  
87301

505  
722-3833

Mr. Patricio Sanchez  
Petroleum Engineer  
Oil Conservation District  
2040 S. Pacheco  
Santa Fe, New Mexico 87505

Dear Mr. Sanchez:

SUBJECT: REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

Enclosed is one (1) "Request for Approval To Accept Solid Waste" into Giant's Land Treatment Unit. The waste consists of crude oil contaminated soils from leak in pump Stuffing Box at Standing Rock Station - Section 22, T. 19N., R. 15W. - 23.1 miles West of Crownpoint, New Mexico.

If there are any questions please contact Ed Horst or myself at (505) 722 -0308.

Sincerely,

Stephen C. Morris, Environmental Specialist  
Giant Refinery

RECEIVED

FEB 16 1996

Environmental Bureau  
Oil Conservation Division

cc: David Pavlich  
Ed Horst  
File:

District I - (505) 393-6161  
P. O. Box 1940  
Hobbs, NM 88241-1980  
District II - (505) 748-1283  
811 S. First  
Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
District IV - (505) 827-7131

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

Form C-138  
Originated 4/18/95

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/>	4. Generator <u>Giant</u> 5. Originating Site <u>Standing Rock Station</u>
2. Management Facility Destination <u>Ciniza Refinery</u>	6. Transporter <u>INN</u>
3. Address of Facility Operator <u>I-40, Exit 39</u> <u>Jamestown, NM 87347</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR) <u>Standing Rock Station</u>	
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.  All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Soil contaminated with crude oil from leak in pump stuffing box.

NOTE: Sec. 22, T 19N., R.15W - 23.1 miles West of Crownpoint, New Mexico.

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

SIGNATURE: Stephen C. Morris TITLE: Environmental Specialist DATE: 2-14-96  
Waste Management Facility Authorized Agent  
TYPE OR PRINT NAME: Stephen C. Morris TELEPHONE NO. 505/722-3833

(This space for State Use)		
APPROVED BY: <u>WAIT</u>	TITLE: <u>FOR</u>	DATE: <u>DENNY</u>
APPROVED BY: <u>Faust</u>	TITLE: <u>copy.</u>	DATE: _____



**Crude Gathering Operations**

5764 US Highway 64  
Farmington, New Mexico  
87401

505  
632-8024  
632-8006

**CERTIFIED - RETURN RECEIPT REQUESTED**

February 8, 1996

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

Dear Ms. Morris:

Giant plans to remove the contaminated soil from Standing Rock Station and transport it to the company land farm at Ciniza Refinery near Gallup, New Mexico. Project should be complete by March 15, 1996.

Copies of drop ticket will be sent to your office.

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

Thank you,

A handwritten signature in black ink, appearing to read "Roy Armenta", written in a cursive style.

Roy Armenta  
Pipeline Manager  
Giant Transportation

/mn

cc: Tim Kinney  
✓ Jacque Cumbie  
Kim Bullerdick

GIANT INDUSTRIES ARIZONA, INC.  
CERTIFICATE of WASTE STATUS  
OILFIELD NON-EXEMPT WASTE  
NON-HAZARDOUS WASTE

Originating Location: Standing Rock Station Sec. 22-T19N-R15W

23.1 miles west of Crownpoint, NM McKinley County

Source: Soil contaminated with crude oil from leak in pump  
stuffing box

Disposal Location: Ciniza Refinery Landfarm

The appropriate documentation is hereto attached.

Check appropriate lines(s)

- ☐ Knowledge of process (previously filed letter attached)  
☒ RCRA TCLP Analysis (Volatiles, Semi-volatiles)  
☐ RCRA Metals  
☐ Corrosivity, Ignitability, Reactivity

"I hereby certify, as the agent for Giant Industries Arizona, Inc. that the contents of this waste consignment are fully and accurately described above and in the attached documents. I further certify that the waste is not a hazardous waste in that the waste is not a characteristic hazardous waste as defined by 40 CFR 261 Subpart C; is not a listed hazardous waste as defined by 40 CFR 261 Subpart D; and is not contaminated with a listed hazardous waste.

Name: (NEEDS TO BE)  
Title: FILLED IN  
Address:

Signature: [Signature]  
Date: 2-8-96



**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,

A handwritten signature in cursive script, appearing to read "Roy Armenta".

Roy Armenta  
Pipeline Manager

/dm

Enclosure

cc Tim Kinney  
Jacque Cumbie  
Kim Bullerdick



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

DATE RECEIVED : 09/29/95

PROJECT # : 15230

PROJECT NAME: GIANT-STANDING ROCK

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  
NON-AQ

#SAMPLES  
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.

Date Collected: 09/27/95

Client Name: ATI-NM

Date Analyzed: 11/02/95

Client Project ID: Giant - Standing Rock

Sample Matrix: Soil

Lab Workorder Number: 95-09-290

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



Analytical Technologies, Inc.

[0] Page 1  
Date 12-Oct-95

"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:		

# 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



Analytical Technologies, Inc.

# TCLP MATRIX SPIKE RESULTS

Modified Method 8020

Sample ID

Lab Name: Analytical Technologies, Inc.

Composite

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

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

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





Analytical Technologies, 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

ACCESSION NUMBER: 510046

ANALYSIS REQUESTED

PROJECT MANAGER: Ken J  
COMPANY: ATI  
ADDRESS: \_\_\_\_\_  
SAMPLER: Calvin  
PHONE NUMBER: 970-440-1311 FAX NUMBER: \_\_\_\_\_

SAMPLE ID	SAMPLE DATE	SAMPLE TIME	MATRIX	LAB ID
75-09-270-01	7-27		oil	
02				
03				
04				
05				

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	
Number of Containers	

PROJECT INFORMATION

PROJECT NUMBER: 75-09-270 TOTAL NUMBER OF CONTAINERS: 5

PROJECT NAME: ATI. N<sup>th</sup> CHAIN OF CUSTODY SEALS Y/N: Y

PURCHASE ORDER NUMBER: \_\_\_\_\_ SEALS INTACT? Y/N/A: Y

TAT: ☐ STANDARD ☒ RUSH DUE: 10-13 RECEIVED GOOD COND./COLD: Y

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

Comments: \* Composite 1-5 Sample Bars  
Into 1 Sample & Run.

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: <u>[Signature]</u> Time: <u>11:42</u>	Signature: _____ Time: _____	Signature: _____ Time: _____
Printed Name: <u>[Name]</u> Date: <u>10-2</u>	Printed Name: _____ Date: _____	Printed Name: _____ Date: _____
Company: <u>ATI</u>	Company: _____	Company: _____
RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
Signature: _____ Time: _____	Signature: _____ Time: _____	Signature: _____ Time: _____
Printed Name: _____ Date: _____	Printed Name: _____ Date: _____	Printed Name: _____ Date: _____
Company: _____	Company: _____	Company: _____

**PHILIP**

**Chain of Custody Record**

4000 Monroe Road  
Farmington, NM 87401

(505) 326-2262 Phone  
(505) 326-2388 FAX

COC Serial No. C 3124

509406

Project Name		Project Number		Phase - Task		Laboratory		Total Number of Bottles	Type of Analysis and Bottle	Comments
Name		Location		Date		Matrix				
SEI	9/27/95	1025	Soil	4	V	V	V	1		509406-01
SLI		1005		4	V	V	V	V		-02
MI		1040		4	V	V	V	V		-03
MI		1055		4	V	V	V	V		-04
MEI		1110		4	V	V	V	V		-05

Relinquished by:

Received By:

Signature		Date		Time		Signature		Date		Time	
[Signature]		9/28/95		0730		[Signature]		9:25		13:00	

Preservatives (ONLY for Water Samples)

- ☐ Cyanide
- ☐ Volatile Organic Analysis
- ☐ Metals
- ☐ TPH (418.1)
- ☐ Other (Specify)
- ☐ Other (Specify)

Carrier: Fed Ex

Shipping and Lab Notes:  
Combine these 5 grab samples into one composite sample to be analyzed for the listed tests  
Bill Giant Industries in Blandfield, NM. Attn. Tim Kinney.  
Also report results to Mr. Kinney.

Pat Sanchez

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (Submitting this form for oilfield exempt waste is optional)	4. Name of Transporter INLAND TRUCKING	
2. Destination GIANT REFINING - CINIZA REFINERY	5. Generator GIANT	
3. Address of Facility Operator I40 EXIT 39 JAMESTOWN, NM 87347	6. Name of Originating Site APACHE STATION	
7. Originating Location of Material (Street Address or ULSTR) APACHE STATION	8. State NEW MEXICO	

9. Check One

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

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

Projected Date(s) for Transportation:

BRIEF DESCRIPTION OF THE MATERIAL:

CRUDE OIL SPILL. AREA WAS CLEANED UP AND CONTAMINATED SOIL WAS PLACED IN A BERMED AREA PENDING ANALYSIS. ANALYTICAL RESULTS INDICATED NON HAZARDOUS MATERIAL.

Two spills included in this volume. 11/14/94  
4/21/95 DRT

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OIL CON. DIV.  
DIST. 3

Estimated Volume \_\_\_\_\_ yd<sup>3</sup> Known Volume (to be entered by the operator at the end of the haul): 740 yd<sup>3</sup>

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

SIGNATURE Lynn Shelton TITLE Senior Environmental Coordinator DATE 7-11-95

TYPE OR PRINT NAME LYNN SHELTON TELEPHONE NO. (505) 722 3833

(This space for State Use)

APPROVED BY Denny G. Fent TITLE Geologist DATE 1/16/95

APPROVED BY P.W. Sanchez TITLE Petroleum Engineering Specialist DATE 2-1-96

CONDITIONS OF APPROVAL, IF ANY:

SF 1/29/96

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Environmental Bureau  
Oil Conservation Division

GIANT INDUSTRIES ARIZONA, INC.  
CERTIFICATE of WASTE STATUS  
OILFIELD NON-EXEMPT WASTE  
NON-HAZARDOUS WASTE

Originating Location: Apache Station - Sec. 33 - 25N - 6W

Rio Arriba County, New Mexico

Source: Soil contaminated with crude oil from spill caused by a drain  
valve being left open on a strainer.

Disposal Location: Ciniza Refinery Land Farm

The appropriate documentation is hereto attached.

Check appropriate lines(s)

- ☐ Knowledge of process (previously filed letter attached)  
☒ RCRA TCLP Analysis (Volatiles, Semi-volatiles)  
☐ RCRA Metals  
☐ Corrosivity, Ignitability, Reactivity

"I hereby certify, as the agent for Giant Industries Arizona, Inc. that the contents of this waste consignment are fully and accurately described above and in the attached documents. I further certify that the waste is not a hazardous waste in that the waste is not a characteristic hazardous waste as defined by 40 CFR 261 Subpart C; is not a listed hazardous waste as defined by 40 CFR 261 Subpart D; and is not contaminated with a listed hazardous waste.

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Environmental Bureau  
Oil Conservation Division

Name: David Pavlich

Title: HSE Manager

Address: RT. 3, Box 7, Gallup, NM 87301

Signature: David C. Pavlich

Date: 1/11/96

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OIL CON. DIV.  
DIST. 3

## NOTIFICATION OF FIRE, BREAKS, SPILLS, LEAKS AND BLOWOUTS

NAME OF OPERATOR Ciniza Pipeline					ADDRESS 5764 US Highway 64, Farmington, NM 87401		
REPORT OF	FIRE	BREAK	SPILL <input checked="" type="checkbox"/>	LEAK	BLOWOUT	OTHER*	
TYPE OF FACILITY	DRUG WELL	PROD WELL	TANK BITY	PIPE LINE	GASO PLNT	OIL RFY	OTHER* Pipeline Pump Station
NAME OF FACILITY Apache Station							
LOCATION OF FACILITY (QUARTER/QUARTER SECTION OR FOOTAGE DESCRIPTION) SE $\frac{1}{4}$ SE $\frac{1}{4}$					SEC. 33	TWP. 25N	RGE. 6W
DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK					Approximately 10 miles north of Lybrook, NM		
DATE AND HOUR OF OCCURENCE Unknown				DATE AND HOUR OF DISCOVERY 4-21-95 10:00 a.m.			
WAS IMMEDIATE NOTICE GIVEN?		YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	NOT REQUIRED			
BY WHOM C. L. Calvery				DATE AND HOUR 4-21-95 2:40 p.m.			
TYPE OF FLUID LOST Crude Oil				QUANTITY OF LOSS 150 barrels		VOLUME RECOVERED 100 barrels	
DID ANY FLUIDS REACH A WATERCOURSE?		YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	QUANTITY			

IF YES, DESCRIBE FULLY\*\*

N/A

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APR 24 1995

DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN\*\*

A valve on a stainer was left partially opened which caused a sump to overflow. Valve to be removed from strainer and line plugged.

**OIL CON. DIV.**  
**Unit 2**

DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN\*\*

Oil ran into a ditch being dug for new pipeline for BM&G. Approximately 100 barrels was removed from ditch by Giant crude truck. Balance of spill was picked up as oily dirt and transported in Giant dump truck and layed on some plastic for remediation at Lybrook.

DESCRIPTION OF AREA	FARMING	GRAZING	URBAN	OTHER* Pump Station		
SURFACE CONDITIONS	SANDY <input checked="" type="checkbox"/>	SANDY LOAM	CLAY	ROCKY	WET <input checked="" type="checkbox"/>	DRY
						SNOW

DESCRIBE GENERAL CONDITIONS PREVAILING (TEMPERATURE, PRECIPITATION, ETC.)\*\*

40° Cloudy

**RECEIVED**

FEB 1 1996

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

Escondido Bureau  
Oil Conservation Division

SIGNED



TITLE Technical Supervisor

DATE 4-24-95

\*SPECIFY

\*\*ATTACH ADDITIONAL SHEETS IF NECESSARY

RECEIVED FEB - 1 1995



Analytical Technologies, Inc.

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

ATI I.D. 501320

January 27, 1995

Giant Refining  
5764 Highway 64  
P.O. Box 256  
Farmington, NM 87499

RECEIVED

FEB 1 1996

Environmental Bureau  
Oil Conservation Division

Project Name/Number: APACHE STATION PETIGRU LINE

Attention: Tim Kinney

On 01/10/95, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze **non-aqueous** sample(s). The sample(s) were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

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

All other analyses were performed by Analytical Technologies, Inc., 5550 Morehouse Drive, San Diego, CA.

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

Letitia Krakowski, Ph.D.  
Project Manager

H. Mitchell Rubenstein, Ph.D.  
Laboratory Manager

MR:jt

Enclosure



Analytical Technologies, Inc.

CLIENT : GIANT REFINING DATE RECEIVED : 01/10/95  
PROJECT # : (NONE)  
PROJECT NAME : APACHE STATION PETIGRU LINE REPORT DATE : 01/27/95

ATI ID: 501320

	ATI SAN DIEGO ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	501320-01	9501091215	NON-AQ	01/09/95

---TOTALS---

<u>MATRIX</u>	<u>#SAMPLES</u>
NON-AQ	1

ATI STANDARD DISPOSAL PRACTICE

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



Analytical Technologies, Inc.

### GENERAL CHEMISTRY RESULTS

CLIENT	: GIANT REFINING	ATI I.D.	: 501320
PROJECT #	: (NONE)	DATE RECEIVED	: 01/10/95
PROJECT NAME	: APACHE STATION PETIGRU LINE	DATE ANALYZED	: 01/10/95

PARAMETER	UNITS	01
PETROLEUM HYDROCARBONS, IR	MG/KG	6800





Analytical Technologies, Inc.

# GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : GIANT REFINING                      ATI I.D. : 501320  
PROJECT # : (NONE)                              SAMPLE MATRIX : NON-AQ  
PROJECT NAME : APACHE STATION PETIGRU      UNITS : MG/KG

PARAMETER	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC.	% REC
PETROLEUM HYDROCARBONS	50131904	<20	<20	NA	170	150	113

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

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



Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

Client : ANALYTICAL TECHNOLOGIES, INC.

Project # : 501320

ATI I.D.: 501087

Project Name: GIANT REFINERY/APACHE STATION

Sample Client ID #	Matrix	Date Sampled	Date Received
1 501320-01	SOIL	09-JAN-95	11-JAN-95

Parameter	Units
IGNITABILITY	NEGATIVE
pH	UNITS 9.0
REACTIVITY	NEGATIVE



Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

DUP/MS

Client : ANALYTICAL TECHNOLOGIES, INC.

Project # : 501320

ATI I.D. : 501087

Project Name: GIANT REFINERY/APACHE STATION

Parameters	REF I.D.	Units	Sample Result	Dup Result	RPD	Spiked Sample	Spike Conc	% Rec
IGNITABILITY	501087-01		NEGATIVE	NEGATIVE	0	N/A	N/A	N/A
REACTIVITY	501087-01		NEGATIVE	NEGATIVE	0	N/A	N/A	N/A
pH	501087-01	UNITS	9.0	9.1	1	N/A	N/A	N/A

 $\% \text{ Recovery} = (\text{Spike Sample Result} - \text{Sample Result}) * 100 / \text{Spike Concentration}$  $\text{RPD (Relative \% Difference)} = (\text{Sample Result} - \text{Duplicate Result}) * 100 / \text{Average Result}$



Analytical Technologies, Inc.

# METALS RESULTS

Client : ANALYTICAL TECHNOLOGIES, INC.  
Project # : 501320  
Project Name: GIANT REFINERY/APACHE STATION

ATI I.D.: 501087

Sample #	Client ID	Matrix	Date Sampled	Date Received
1	501320-01	SOIL	09-JAN-95	11-JAN-95

Parameter	Units	1
SILVER	MG/KG	<1.0
ARSENIC	MG/KG	2.4
BERYLLIUM	MG/KG	<0.5
CADMIUM	MG/KG	<0.5
CHROMIUM	MG/KG	2.7
COPPER	MG/KG	5.9
MERCURY	MG/KG	<0.25
NICKEL	MG/KG	3.5
LEAD	MG/KG	4.5
ANTIMONY	MG/KG	<3.0
SELENIUM	MG/KG	<1.0
THALLIUM	MG/KG	<1.0
ZINC	MG/KG	15.9



Analytical Technologies, Inc.

## METALS - QUALITY CONTROL

DUP/MS

Client : ANALYTICAL TECHNOLOGIES, INC.

Project # : 501320

ATI I.D. : 501087

Project Name: GIANT REFINERY/APACHE STATION

Parameters	REF I.D.	Units	Sample Result	Dup Result	RPD	Spiked Sample	Spike Conc	% Rec
ANTIMONY	501034-10	MG/KG	4.2	3.9	7	48.9	49.7	90@v
ARSENIC	501034-10	MG/KG	15.5	13.3	15	58.0	48.9	87
BERYLLIUM	501034-10	MG/KG	<0.5	<0.5	0	47.1	49.9	94
CADMIUM	501034-10	MG/KG	2.1	2.2	5	49.9	48.9	98
CHROMIUM	501034-10	MG/KG	24.7	20.8	17	66.7	49.9	84
COPPER	501034-10	MG/KG	122	115	6	170	49.7	97@v
LEAD	501034-10	MG/KG	161	155	4	214	49.7	107@v
MERCURY	501087-01	MG/KG	<0.25	<0.25	0	0.76	0.99	77
NICKEL	501034-10	MG/KG	58.0	50.2	14	104	49.7	93@v
SELENIUM	501034-10	MG/KG	<1.0	<1.0	0	31.1	29.4	106
SILVER	501034-10	MG/KG	<1.0	<1.0	0	42.8	49.9	86
THALLIUM	501034-10	MG/KG	<1.0	<1.0	0	45.1	48.9	92
ZINC	501034-10	MG/KG	1280	1180	8	1263	49.9	N/A*V

% Recovery = (Spike Sample Result - Sample Result)\*100/Spike Concentration

RPD (Relative % Difference) = (Sample Result - Duplicate Result)\*100/Average Result



Analytical Technologies, Inc.

METALS - QUALITY CONTROL

BLANK SPIKE

Client : ANALYTICAL TECHNOLOGIES, INC.  
Project # : 501320  
Project Name: GIANT REFINERY/APACHE STATION

ATI I.D. : 501087

Parameters	Blank Spike ID#	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
ANTIMONY	53520	MG/KG	<3.0	45.8	50.0	92
ARSENIC	53717	MG/KG	<1.0	44.0	50.0	88
BERYLLIUM	53520	MG/KG	<0.5	45.6	50.0	91
CADMIUM	53689	MG/KG	<0.5	46.9	50.0	94
CHROMIUM	53520	MG/KG	<0.5	46.9	50.0	94
COPPER	53520	MG/KG	<1.0	46.7	50.0	93
LEAD	53520	MG/KG	<1.5	45.9	50.0	92
MERCURY	53558	MG/KG	<0.25	1.05	1.00	105
NICKEL	53520	MG/KG	<1.0	46.7	50.0	93
SELENIUM	53714	MG/KG	<1.0	28.4	30.0	95
SILVER	53520	MG/KG	<1.0	45.9	50.0	92
THALLIUM	53719	MG/KG	<1.0	46.8	50.0	94
ZINC	53520	MG/KG	<2.0	45.3	50.0	91

% Recovery = (Spike Sample Result - Sample Result)\*100/Spike Concentration

RPD (Relative % Difference) = (Sample Result - Duplicate Result)\*100/Average Result



Analytical Technologies, Inc.

## GAS CHROMATOGRAPHY RESULTS

: EPA 8020 (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

Client : ANALYTICAL TECHNOLOGIES, INC.

ATI I.D. : 501087

Project # : 501320

Project Name: GIANT REFINERY/APACHE STATION

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
2	501320-01/ZHE 01	TCLP EXTRACT	09-JAN-95	12-JAN-95	13-JAN-95	1.00
3	ZHE BLANK	TCLP EXTRACT	09-JAN-95	12-JAN-95	13-JAN-95	1.00

Parameter	Units	2	3
BENZENE	UG/L	<25	<25
TOLUENE	UG/L	26	<25
ETHYLBENZENE	UG/L	<25	<25
XYLENES (TOTAL)	UG/L	550	<50

SURROGATES

TRIFLUOROTOLUENE	%	95	96
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Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

REAGENT BLANK

Test : EPA 8020 (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) ATI I.D. : 501087  
Blank I.D. : 33924 Date Extracted: N/A  
Client : ANALYTICAL TECHNOLOGIES, INC. Date Analyzed : 13-JAN-95  
Project # : 501320 Dil. Factor : 1.00  
Project Name: GIANT REFINERY/APACHE STATION

Parameters	Units	Results
BENZENE	UG/L	<25
TOLUENE	UG/L	<25
ETHYLBENZENE	UG/L	<25
XYLENES (TOTAL)	UG/L	<50
<u>SURROGATES</u>		
TRIFLUOROTOLUENE	%	101





Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

Test : EPA 8020 (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) ATI I.D. : 501087  
MSMSD # : 71846 Date Extracted: 12-JAN-95  
Client : ANALYTICAL TECHNOLOGIES, INC. Date Analyzed : 13-JAN-95  
Sample Matrix : WATER  
Project # : 501320 REF I.D. : 501087-02  
Project Name: GIANT REFINERY/APACHE STATION

Parameters	Units	Sample Result	Conc Spike	Spiked Sample	% Rec	Dup Spike	Dup % Rec	RPD
BENZENE	UG/L	<25	500	510	102	530	106	4
TOLUENE	UG/L	26	500	520	99	550	105	6

% Recovery = (Spike Sample Result - Sample Result)\*100/Spike Concentration

RPD (Relative % Difference) = (Spiked Sample Result - Duplicate Spike Result)\*100/Average Result

3 = COPY


1-4-95

NEW MEXICO OIL CONSERVATION COMMISSION

Need to Attach

May 22, Results

NOTIFICATION OF FIRE, BREAKS, SPILLS, LEAKS, AND BLOWOUTS

NAME OF OPERATOR					ADDRESS				
Ciniza Pipe Line					5764 U. S. Hwy. 64, Farmington, NM 87401				
REPORT OF TYPE OF FACILITY	FIRE	BREAK	SPILL	LEAK	BLOWOUT	OTHER*			
				X					
TYPE OF FACILITY	DRUG WELL	PROD WELL	TANK DITY	PIPE LINE	GASO PLNT	OIL RFY	OTHER*		
				X					
NAME OF FACILITY									
Pettigrew to Apache Station 4" Line									
LOCATION OF FACILITY (QUARTER/QUARTER SECTION OR FOOTAGE DESCRIPTION)					SEC.	TWP.	RGE.	COUNTY	
SE 1/4 of SE 1/4					28	25N	6W	Rio Arriba	
DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK									
Approximately 11 miles north of Lybrook, New Mexico									
DATE AND HOUR OF OCCURENCE				DATE AND HOUR OF DISCOVERY					
Unknown				11-14-94 11:00 a.m.					
WAS IMMEDIATE NOTICE GIVEN?		YES	NO	NOT REQUIRED		IF YES, TO WHOM			
		X				Denny Foutz			
BY WHOM				DATE AND HOUR					
Roy Armenta				11-14-94 11:30 a.m.					
TYPE OF FLUID LOST				QUANTITY OF LOSS		VOLUME RECOVERED			
Crude Oil				35 bbls.		0 bbls.			
DID ANY FLUIDS REACH A WATERCOURSE?		YES	NO	QUANTITY					
		X		2 bbls.					
IF YES, DESCRIBE FULLY**									
Oil ran approximately 300 feet from the leak to the edge of Largo Wash. Approximately 2 bbls. ran into the edge of the wash. Denny Foutz with NMOCD gave Leroy McCoy permission to burn the oil in the wash after conferring with David A. Tomko with NMEID.									
DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN**									
Internal corrosion caused the problem. The joint of pipe was replaced. This complete line, 11.43 miles, is to be hydrostatically tested with water. On 11-14-94, the test was started; the line was pressured to 495# to 500#. Other areas were found which needed replacement. Approximately 600 feet of new 4" line was installed. The line test and cleanup was completed 12-21-94. The normal operating pressure is 60# to 70#.									
DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN**									
Oil ran approx. 450 feet, one foot to three feet wide. Ruben Sanchez with BLM worked with us on the clean up. An archaeological survey was done on the affected area. Four-Four, Inc. was contracted to remove the oily dirt which was placed on plastic. After soil tests are performed, the dirt will be delivered to Giant's landfarm at Ciniza Refinery near Gallup, New Mexico.									
DESCRIPTION OF AREA		FARMING		GRAZING		URBAN		OTHER*	
				X					
SURFACE CONDITIONS		SANDY		SANDY LOAM		CLAY		ROCKY	
		X				X			
DESCRIBE GENERAL CONDITIONS PREVAILING (TEMPERATURE, PRECIPITATION, ETC.)**									
Clear - 36°									
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF									
SIGNED  TITLE Technical Supervisor DATE 1-04-95									

RECEIVED

FEB 1 1996

Environmental Bureau  
Oil Conservation Division

\*SPECIFY

\*\*ATTACH ADDITIONAL SHEETS IF NECESSARY



Analytical Technologies, Inc.

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

OIL CONSERVATION DIVISION  
RECEIVED

'96 FEB 6 AM 8 52

ATI I.D. 505330

May 22, 1995

Giant Refining  
5764 Highway 64  
Farmington, NM 87401

RECEIVED

FEB 6 1996

Environmental Bureau  
Oil Conservation Division

RECEIVED  
JUL 21 1995

Project Name/Number: APACHE

Attention: Tim Kinney

OIL CON. DIV.  
DIST. 3

On 05/09/95, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze **non-aqueous** sample(s). The sample(s) were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

The antimony spike on sample "9505081030" was out of limits due to matrix interferences. The sample was post spiked to verify the matrix interference. The blank spike was within limits. Both the spike and blank spike are reported.

Metals and TCLP BTEX analyses were performed by Analytical Technologies, Inc., 17400 SW Upper Boones Ferry Road, Suite 270, Durham, OR.

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

All other analyses were performed by Analytical Technologies, Inc., 5550 Morehouse Drive, San Diego, CA.

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

Letitia Krakowski, Ph.D.  
Project Manager

H. Mitchell Rubenstein, Ph.D.  
Laboratory Manager

MR:jt

Enclosure



Analytical Technologies, Inc.

CLIENT : GIANT REFINING                      DATE RECEIVED : 05/09/95  
PROJECT # : (NONE)  
PROJECT NAME : APACHE                      REPORT DATE : 05/22/95

ATI ID: 505330

	ATI SAN DIEGO ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
C1	505330-01	9505081030	NON-AQ	05/08/95

---TOTALS---

<u>MATRIX</u>	<u>#SAMPLES</u>
NON-AQ	1

ATI STANDARD DISPOSAL PRACTICE

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



Analytical Technologies, Inc.

# GENERAL CHEMISTRY RESULTS

CLIENT	: GIANT REFINING	ATI I.D.	: 505330
PROJECT #	: (NONE)	DATE RECEIVED	: 05/09/95
PROJECT NAME	: APACHE	DATE ANALYZED	: 05/09/95

PARAMETER	UNITS	01
PETROLEUM HYDROCARBONS, IR	MG/KG	23000



Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : GIANT REFINING                      ATI I.D. : 505330  
PROJECT # : (NONE)                              SAMPLE MATRIX : NON-AQ  
PROJECT NAME : APACHE                          UNITS : MG/KG

PARAMETER	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC.	% REC
PETROLEUM HYDROCARBONS	50533203	<20	<20	NA	160	150	107

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

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



Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

DUP/MS

Client : ANALYTICAL TECHNOLOGIES, INC.

Project # : 505330

ATI I.D. : 505094

Project Name: GRC/APACHE

Parameters	REF I.D.	Units	Sample Result	Dup Result	RPD	Spiked Sample	Spike Conc	% Rec
IGNITABILITY	505094-01		NEGATIVE	NEGATIVE	0	N/A	N/A	N/A
REACTIVITY	505094-01		NEGATIVE	NEGATIVE	0	N/A	N/A	N/A
DE	505084-03	UNITS	9.5	9.5	0	N/A	N/A	N/A

% Recovery = (Spike Sample Result - Sample Result)\*100/Spike Concentration

RPD (Relative % Difference) = (Sample Result - Duplicate Result)\*100/Average Result



Analytical Technologies, Inc.

# METALS RESULTS

CLIENT: ATI-Albuquerque  
PROJECT #: 505330  
PROJECT NAME: Apache  
SAMPLE MATRIX: SOIL

ATI I.D.: 505558  
DATE SAMPLED: 05/08/95  
DATE RECEIVED: 05/10/95  
DATE DIGESTED: 05/10,11/95  
DATE ANALYZED: 05/10,11/95  
UNITS: mg/kg

RESULTS ARE CORRECTED FOR MOISTURE CONTENT.

		ATI I.D.: 505558-0	505558-1
		Client I.D.: Method Blank	9505081030
PARAMETER	METHOD		
ANTIMONY	6010	< 5	< 5
ARSENIC	7060	< 0.5	4.6
BERYLLIUM	6010	< 0.5	< 0.5
CADMIUM	6010	< 0.5	< 0.5
CHROMIUM	6010	< 1	2
COPPER	6010	< 1	6
LEAD	6010	< 5	8
MERCURY	7471	< 0.1	< 0.1
NICKEL	6010	< 2	3
SELENIUM	7740	< 0.5	< 0.5
SILVER	6010	< 1	< 1
THALLIUM	7841	< 0.5	< 0.5
ZINC	6010	< 1	12





Analytical Technologies, Inc.

# METALS DUPLICATE RESULTS

METHOD: 6010 / 7000 series  
CLIENT: ATI-Albuquerque  
PROJECT #: 505330  
PROJECT NAME: Apache  
SAMPLE MATRIX: SOIL

ATI I.D.: 505558  
QC SAMPLE: 505558-1  
DATE DIGESTED: 05/10,11/95  
DATE ANALYZED: 05/10,11/95  
DILUTION FACTOR: 1  
UNITS: mg/kg

RESULTS ARE CORRECTED FOR MOISTURE CONTENT

PARAMETER	SAMPLE RESULT	DUPLICATE RESULT	RPD	RPD CONTROL LIMIT
ANTIMONY	< 5	< 5	NA	20
ARSENIC	4.6	4.6	0	20
BERYLLIUM	< 0.5	< 0.5	NA	20
CADMIUM	< 0.5	< 0.5	NA	20
CHROMIUM	2	2	0	20
COPPER	6	6	0	20
LEAD	8	8	0	20
MERCURY	< 0.1	< 0.1	NA	20
NICKEL	3	3	0	20
SELENIUM	< 0.5	< 0.5	NA	20
SILVER	< 1	< 1	NA	20
THALLIUM	< 0.5	< 0.5	NA	20
ZINC	12	13	8	20



Analytical Technologies, Inc.

# METALS SPIKE RESULTS

METHOD: 6010 / 7000 series  
CLIENT: ATI-Albuquerque  
PROJECT #: 505330  
PROJECT NAME: Apache  
SAMPLE MATRIX: SOIL

ATI I.D.: 505558  
QC SAMPLE: 505558-1  
DATE DIGESTED: 05/10,11/95  
DATE ANALYZED: 05/10,11/95  
DILUTION FACTOR: 1  
UNITS: mg/kg

RESULTS ARE CORRECTED FOR MOISTURE CONTENT

PARAMETER	SAMPLE RESULT	SPIKE CONC	SPIKE RESULT	% RECOV	CONTROL LIMIT
ANTIMONY	< 5	109	38	35	F 75-125%
ARSENIC	4.6	4.3	8.6	93	75-125%
BERYLLIUM	< 0.5	109	93.4	86	75-125%
CADMIUM	< 0.5	109	88.5	81	75-125%
CHROMIUM	2	109	100	90	75-125%
COPPER	6	109	108	94	75-125%
LEAD	8	217	192	85	75-125%
MERCURY	< 0.1	1.0	0.9	90	75-125%
NICKEL	3	109	99	88	75-125%
SELENIUM	< 0.5	2.2	2.4	109	75-125%
SILVER	< 1	109	95	87	75-125%
THALLIUM	< 0.5	4.3	4.2	98	75-125%
ZINC	12	109	100	81	75-125%

F - Out of limits due to matrix interference.



Analytical Technologies, Inc.

# METALS BLANK SPIKE RESULTS

METHOD: 6010 / 7000 series  
CLIENT: ATI-Albuquerque  
PROJECT #: 505330  
PROJECT NAME: Apache  
SAMPLE MATRIX: SOIL

ATI I.D.: 505558  
QC SAMPLE: Method Blank  
DATE DIGESTED: 05/10,11/95  
DATE ANALYZED: 05/10,11/95  
DILUTION FACTOR: 1  
UNITS: mg/kg

PARAMETER	RESULT	TRUE VALUE	% RECOV	LIMITS mg/Kg
ANTIMONY	65	75.0	87	32-350
ARSENIC	87.8	72.1	122	35-110
BERYLLIUM	24.2	26.7	91	17-37
CADMIUM	57.4	61.6	93	36-86
CHROMIUM	41	44.1	93	26-61
COPPER	80	78.1	102	48-110
LEAD	51	50.9	100	27-71
MERCURY	38.6	32.0	121	17-48
NICKEL	110	110	100	65-157
SELENIUM	88.2	74.2	119	36-108
SILVER	74	71.7	103	29-105
THALLIUM	71.9	64.1	112	31-98
ZINC	69	78.2	88	45-119



Analytical Technologies, Inc.

# GCMS - RESULTS

TEST: EPA 8240 Mod. (TCLP BETX)  
CLIENT I.D.: 9505081030  
CLIENT: ATI-Albuquerque  
PROJECT #: 505330  
PROJECT NAME: Apache  
SAMPLE MATRIX: SOIL

ATI I.D.: 505558-1  
DATE SAMPLED: 05/08/95  
DATE RECEIVED: 05/10/95  
DATE EXTRACTED: 05/10/95  
DATE ANALYZED: 05/11/95  
DILUTION FACTOR: 1  
UNITS: mg/L in Extract

PARAMETER	RESULTS
-----------	---------

BENZENE	< 0.010
ETHYLBENZENE	0.19
TOLUENE	0.84
TOTAL XYLENES	1.9

SURROGATES:

1,2-DICHLOROETHANE-D4	109%
TOLUENE-D8	98%
BROMOFLUOROBENZENE	100%

CONTROL LIMITS

74% - 125%
78% - 123%
81% - 127%



Analytical Technologies, Inc.

# GCMS - RESULTS

TEST: EPA 8240 Mod. (TCLP BETX)  
CLIENT I.D.: Method Blank  
CLIENT: ATI-Albuquerque  
PROJECT #: 505330  
PROJECT NAME: Apache  
SAMPLE MATRIX: SOIL

ATI I.D.: 505558-0  
DATE SAMPLED: N/A  
DATE RECEIVED: N/A  
DATE EXTRACTED: 05/10/95  
DATE ANALYZED: 05/11/95  
DILUTION FACTOR: 1  
UNITS: mg/L in Extract

PARAMETER	RESULTS
-----------	---------

BENZENE	< 0.010
ETHYLBENZENE	< 0.010
TOLUENE	< 0.010
TOTAL XYLENES	< 0.010

SURROGATES:

1,2-DICHLOROETHANE-D4	102%
TOLUENE-D8	96%
BROMOFLUOROBENZENE	95%

CONTROL LIMITS

74% - 125%
78% - 123%
81% - 127%



Analytical Technologies, Inc.

# GC/MS SPIKE RESULTS

METHOD:	EPA 8240 Mod. (TCLP BETX)	ATI ID:	505558
CLIENT:	ATI-Albuquerque	QC SAMPLE:	505558-1
PROJECT #:	505330	DATE EXTRACTED:	05/10/95
PROJECT NAME:	Apache	DATE ANALYZED:	05/11/95
SAMPLE MATRIX:	SOIL	DILUTION FACTOR:	1
		UNITS:	mg/L in Extract

PARAMETER		SAMPLE RESULT	SPIKE CONC.	SPIKED RESULT	% REC.	DUP. SPIKED RESULT	DUP. % REC.	RPD
BENZENE	<	0.010	0.500	0.494	99	0.552	110	11
ETHYLBENZENE		0.19	0.500	0.705	103	0.744	111	5
TOLUENE		0.84	0.500	1.28	88	1.37	106	7
TOTAL XYLENES		1.9	1.00	2.95	105	3.07	117	4

## SURROGATE:

1,2-DICHLOROETHANE-d4 (74% - 125%)	107%	108%
TOLUENE-d8 (78% - 123%)	102%	103%
BROMOFLUOROBENZENE (81% - 127%)	100%	101%

## CONTROL LIMITS

	% REC	RPD
BENZENE	77% - 131%	20
TOLUENE	79% - 125%	20
ETHYLBENZENE	76% - 124%	20
TOTAL XYLENES	74% - 127%	20



Analytical Technologies, Inc.

# GC/MS SPIKE RESULTS

METHOD:	EPA 8240 Mod. (TCLP BETX)	ATI ID:	505558
CLIENT:	ATI-Albuquerque	QC SAMPLE:	Method Blank
PROJECT #:	505330	DATE EXTRACTED:	05/10/95
PROJECT NAME:	Apache	DATE ANALYZED:	05/11/95
SAMPLE MATRIX:	SOIL	DILUTION FACTOR:	1
		UNITS:	mg/L in Extract

PARAMETER		SAMPLE RESULT	SPIKE CONC.	SPIKED RESULT	% REC.	DUP. SPIKED RESULT	DUP. % REC.	RPD
BENZENE	<	0.010	0.500	0.548	110	0.569	114	4
ETHYLBENZENE	<	0.010	0.500	0.545	109	0.549	110	1
TOLUENE	<	0.010	0.500	0.533	107	0.542	108	2
TOTAL XYLENES	<	0.010	1.00	1.08	108	1.09	109	1

## SURROGATE:

1,2-DICHLOROETHANE-d4 (74% - 125%)	106%	110%
TOLUENE-d8 (78% - 123%)	104%	104%
BROMOFLUOROBENZENE (81% - 127%)	102%	103%

## CONTROL LIMITS

	% REC	RPD
BENZENE	85% - 118%	20
TOLUENE	85% - 119%	20
ETHYLBENZENE	85% - 120%	20
TOTAL XYLENES	85% - 120%	20



## Phone (505) 632-8006

Date: 5-8-72 Page 1 of 1

san juan repr Form 209-29





# Chain of Custody

DATE: 5/1/00 PAGE: 1

NETWORK PROJECT MANAGER: LETITIA KIKAKOWSKI				ANALYSIS REQUEST															
COMPANY: Analytical Technologies, Inc. ADDRESS: 2709-D Pan American Freeway, NE Albuquerque, NM 87107				TOX															
				ORGANIC LEAD															
CLIENT PROJECT MANAGER:				SULFIDE															
				SURFACTANTS (MBAS)															
				632/632 MOD															
				619/619 MOD															
				510/8310															
				X R24/11/11															
				X C24/11/11															
				8240 (TCLP 1311) ZHE															
				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															
PROJECT INFORMATION				SAMPLE RECEIPT				SAMPLES SENT TO:				RELINQUISHED BY: 1.				RELINQUISHED BY: 2.			
PROJECT NUMBER: 505330				TOTAL NUMBER OF CONTAINERS: 1				SAN DIEGO				Signature: [Signature]				Signature: [Signature]			
PROJECT NAME: GPC				CHAIN OF CUSTODY SEALS: Y				FT. COLLINS				Printed Name: [Name]				Printed Name: [Name]			
QC LEVEL: STD. IV				INTACT?: Y				RENTON				Date: [Date]				Date: [Date]			
QC REQUIREMENT: MS MSD BLANK				RECEIVED GOOD COND/COLD				PENSACOLA				Analytical Technologies, Inc.				Company: [Company]			
TAT STANDARD RUSHI				LAB NUMBER: 50533044				PORTLAND				Albuquerque				RECEIVED BY: (LAB) 1.			
DUE DATE: 5/12								PHOENIX				Signature: [Signature]				Signature: [Signature]			
RUSH SURCHARGE: 100%								INDICANT				Time: [Time]				Time: [Time]			
CLIENT DISCOUNT: 10%												Printed Name: [Name]				Printed Name: [Name]			
												Company: [Company]				Company: [Company]			



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
2040 S. PACHECO  
SANTA FE, NEW MEXICO 87505  
(505) 827-7131

January 24, 1996

**CERTIFIED MAIL**  
**RETURN RECEIPT NO. Z-765-963-004**

Mr. Edward L. Horst  
Environmental Manager  
Giant Refining - Ciniza  
Route 3, Box 7  
Gallup, NM 87301

**RE: Offsite Waste Approval  
Discharge Plan GW-32  
NMOCD approved Land farm  
Giant Ciniza Refinery**

Dear Mr. Horst:

The Santa Fe OCD office has received the letter dated January 11, 1996 titled " REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE ," addressed to Mr. Denny Foust with the OCD Aztec District office. Per the phone conversation with Mr. Patricio Sanchez of my Staff and yourself on The morning of January 23, 1996 - Giant Ciniza has chosen to utilize the form C-138 for wastes that are coming from offsite from Giant Industry owned facilities.

The approval process will proceed as follows for offsite materials to be disposed of at the OCD land farm at the Giant Ciniza Refinery:

1. The Aztec District office will sign the C-138 to allow the movement of the soil to the NMOCD land farm at Giant Ciniza Refinery.
2. The Santa Fe OCD office will sign the C-138 form confirming that the waste may be placed on the NMOCD land farm at Giant Ciniza Refinery.
3. All other wastes generated at the Refinery itself will be certified through the Giant Ciniza Health, Safety, and Environment department with records kept onsite so that the OCD may view them at any time as part of a Discharge plan audit type inspection.

Giant will also evaluate the efficiency of this process from time to time and can request that OCD amend the conditions in (1.) and (2.) above in order to enhance the overall efficiency.

Mr. Edward L. Horst  
Giant-Ciniza Refinery  
January 24, 1996  
Page 2

If you have any questions with regards to this matter feel free to contact me at (505)-827-7152 or Patricio Sanchez at (505)-827-7156.

Sincerely,

A handwritten signature in cursive script, appearing to read "Roger C. Anderson".

Roger C. Anderson  
Bureau Chief

RCA/pws

xc: Mr. Denny Foust - Geologist

MEMORANDUM OF MEETING OR CONVERSATION

☒ Telephone

☐ Personal

Time 7:45 AM

Date 1-23-96

Originating Party

Other Parties

Ed Horst w/ Giant Ciniza

Pat Sanchez - OCD

Subject

Waste Application from offsite on the OCD approved Land Farm from within the Giant Industries Company.

Discussion

(1) I asked Mr. Horst if he had any problem with using the C-138 form for movement of Exempt or Non-Hazardous waste to the NMOC Land Farm at the Ciniza Refinery? He said NO - because they need some way of tracking/certifying wastes from offsite.

- Note: The District will approve of the movement while Santa Fe will approve of the application.

(2) Also, need to address recovery wells in the tank farm area that have "dried" out; Giant may want to look at plugging these.

Conclusions or Agreements

- (1) I will draft up a letter addressing # (1).
- (2) Mr. Horst to Evaluate which wells need to be plugged.

Distribution File, Ed Horst, Denny Foust

Signed

*Patricia W. Sanchez*

MEMORANDUM OF MEETING OR CONVERSATION

☒ Telephone

☐ Personal

Time 2:00 PM

Date 1-22-95

Originating Party

Other Parties

Pat Sanchez - OGD

Denny Faust - OGD

Subject

Giant Ciniza - Request For Approval to accept Solid waste.

Discussion

(1) Asked Denny about the Request - The one dated 1/6/96 signed by Denny Okay to approve based on knowledge of process.

(2) The Request dated 1/16/96 by Denny Faust with ATI No. 505330 Not correct; It should be dated 1-27-95 ATI No. 501320. Send back so that Denny may correct.

(3) Also, Let Denny know that for offsite movement of waste to the facility approved by the District while disposal at the Giant Ciniza Landfarm approved by Santa Fe.

Conclusions or Agreements

\*Denny to send in correct results with the request - Pat to draft a letter explaining disposal procedures.

Distribution

File, Denny Faust

Signed

*Patricia V. [Signature]*

Roger Anderson

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (Submitting this form for oilfield exempt waste is optional)	4. Name of Transporter Yucca	
2. Destination Giant Refining - Cimiza Refinery	5. Generator Giant	
3. Address of Facility Operator I-40, Exit 39, Jamestown, NM 87347	6. Name of Originating Site 0.4 mi E. of Newsom #5	
7. Originating Location of Material (Street Address or ULSTR) 0.4 mi East of Merit Energy's Newsom #5 (NE, NE, 19-26N-8W) SAN JUAN	8. State New Mexico	

9. Check One

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

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

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

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

Projected Date(s) for Transportation:

BRIEF DESCRIPTION OF THE MATERIAL:

Crude oil contaminated soil. Crude oil was spilled from an overturned pup trailer.

RECEIVED

JAN 22 1996

Environmental Bureau  
Oil Conservation Division

RECEIVED  
JAN 16 1996

OIL CON. DIV.  
DIST. 3

Estimated Volume 50 yd<sup>3</sup> Known Volume (to be entered by the operator at the end of the haul): \_\_\_\_\_ yd<sup>3</sup>

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

SIGNATURE David C. Paulich TITLE HSE Manager DATE 1/11/96

TYPE OR PRINT NAME David C. Paulich TELEPHONE NO. (505) 722-0217

(This space for State Use)

APPROVED BY Denny G. Junt TITLE Geologist DATE 1/6/96

APPROVED BY [Signature] TITLE Petroleum Engineer DATE 1-22-96

CONDITIONS OF APPROVAL, IF ANY:

GIANT INDUSTRIES ARIZONA, INC.  
CERTIFICATE of WASTE STATUS  
OILFIELD NON-EXEMPT WASTE  
NON-HAZARDOUS WASTE

Originating Location: 4 tenths of A mile East of  
Merit Energy Company Newsum #5, Located in  
the NE NE 19-26N-8W

Source: Crude Oil Spilled from Over-turned Pup trailer

Disposal Location: Cimiza Refinery Land Farm

The appropriate documentation is hereto attached.

Check appropriate lines(s)

- ☒ Knowledge of process (previously filed letter attached)  
☐ RCRA TCLP Analysis (Volatiles, Semi-volatiles)  
☐ RCRA Metals  
☐ Corrosivity, Ignitability, Reactivity

"I hereby certify, as the agent for Giant Industries Arizona, Inc. that the contents of this waste consignment are fully and accurately described above and in the attached documents. I further certify that the waste is not a hazardous waste in that the waste is not a characteristic hazardous waste as defined by 40 CFR 261 Subpart C; is not a listed hazardous waste as defined by 40 CFR 261 Subpart D; and is not contaminated with a listed hazardous waste.

Name: I MARK Worden  
Title: Safety Manager  
Address: 5764 Hwy 64  
Farmington NM 87401  
Signature: I Mark Worden  
Date: 1-10-96

RECEIVED DEC 14 1995



STATE OF NEW MEXICO

GEOL. MINERALS &amp; NATURAL RESOURCES DEPARTMENT

CONSERVATION DIVISION

2040 S. PACIFIC  
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.

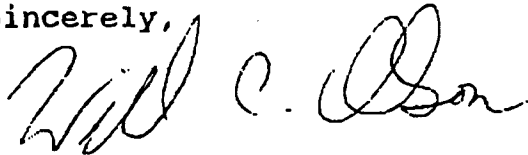


Mr. Tim Kinney  
December 11, 1995  
Page2

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

Roger Anderson

OIL CONSERVATION DIVISION  
RECEIVED

**GIANT**  
INDUSTRIES, INC.

96 JAN 17 AM 8 52

January 11, 1996

Route 3, Box 7  
Gallup, New Mexico  
87301

Mr. Denny G. Foust  
Deputy Oil & Gas Inspector  
Oil Conservation Division  
Energy, Minerals & Natural Resources Department  
1000 Rio Brazos Road  
Aztec, New Mexico 87410

RECEIVED  
JAN 16 1996

OIL CON. DIV.  
DIST. 3

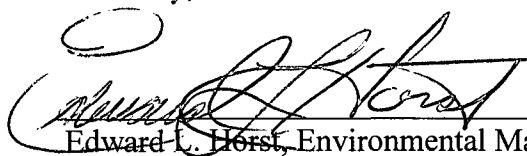
Dear Mr. Foust:

SUBJECT: REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

Enclosed are two (2) "Request for Approval To Accept Solid Waste" into Giant's Land Treatment Unit. The waste consists of crude oil contaminated soils from cleanup activities at Apache Station - Section 33, T. 25N., R. 6W. and from a location 4 tenths of a mile East of Merritt Energy Company Newsom #5, Section 19: NE/4NE/4, T. 26 N., R. 8 W..

If there are any questions please contact David Pavlich or myself at (505) 722-0227.

Sincerely,

  
Edward L. Horst, Environmental Manager  
Giant Refinery

cc: David Pavlich  
Steve Morris  
File:

RECEIVED

JAN 22 1996

Environmental Bureau  
Oil Conservation Division