

GRCC 96

**GIANT**  
REFINING CO.

*Jerry B*



Route 3, Box 7  
Gallup, New Mexico  
87301

505  
722-3833

November 20, 1996

Mr. Benito J. Garcia, Bureau Chief  
New Mexico Environmental Department  
Hazardous and Radioactive Materials Bureau  
2044 Galisteo  
P. O. Box 26110  
Santa Fe, New Mexico 87502

**RE: Bi-Monthly Land Treatment Soil Sampling Analytical Results -  
September, 1996**

Dear Mr. Garcia:

In accordance with the requirements set out in Giant's Land Treatment Unit Characterization Plan and Hazardous Waste Facility Permit (# NMD 0000333211-2) attached is a copy of the analytical results for Giant's Bi-monthly LTA soil sampling event.

If you have any questions or comments regarding these results, please do not hesitate to contact me at 505-722-0227.

Sincerely,

A handwritten signature in cursive script that reads 'Dorinda Mancini'.

Dorinda Mancini  
Environmental Manager, Ciniza Refinery

cc: w/o attachments  
Dick Platt, Refinery manager  
David Pavlich, HSE Manager  
Steve Morris, Environmental Specialist

**TOTAL OIL AND GREASE  
EPA METHOD 413.2**

Client: **Giant Refining**  
Project: RCRA/OCD LTA's  
Matrix: soil  
Condition: Intact/Cool

Date Reported: 09/26/96  
Date Sampled: 09/03/96  
Date Received: 09/05/96  
Date Extracted: 09/16/96  
Date Analyzed: 09/16/96

Sample ID	Lab ID	Result (mg/kg)	Detection Limit (mg/kg)
ZOI-1-82-9396	0396G01769	138	19.5
ZOI-2-165-9396	0396G01770	ND	20.0
ZOI-2-33-9396	0396G01771	28.7	19.6
ZOI-3-88-9396	0396G01772	ND	20.0

ND - Analyte not detected at stated detection level.

References: **Method 413.2:** Oil And Grease, Total Recoverable, USEPA Chemical Analysis of Water and Waste, 1978.  
**Method 3550:** Ultrasonic Extraction of Non-Volatile and Semi-Volatile Organic Compounds from Solids, USEPA SW-846, Sept. 1986.

Analyst: 

Reviewed: 

**TOTAL OIL AND GREASE**  
Quality Assurance/Quality Control

Client: **Giant Refining**  
Project: RCRA/OCD LTA's  
Matrix: soil  
Condition: Intact/Cool

Date Reported: 09/26/96  
Date Sampled: 09/03/96  
Date Received: 09/05/96  
Date Extracted: 09/16/96  
Date Analyzed: 09/16/96

**Duplicate Analysis**

Lab ID	Sample Result	Duplicate Result	Units	% Difference
0396G01770	ND	ND	mg/Kg	NA

**Method Blank Analysis**

Lab ID	Result	Units	Detection Limit
Method Blank	ND	mg/Kg	20.0

**Spike Analysis**

Lab ID	Found Conc. mg/Kg	Sample Conc. mg/Kg	Spike Amount mg/Kg	Percent Recovery	Acceptance Limits
Blank Spike	56.0	ND	1,050	107%	70-130%

**Known Analysis**

Lab ID	Found Conc. mg/Kg	Known Conc. mg/Kg	Percent Recovery	Acceptance Limits
QC	56.9	50.3	113%	70-130%

## References:

**Method 413.2:** Oil And Grease, Total Recoverable, USEPA Chemical Analysis of Water and Waste, 1978.

**Method 3550:** Ultrasonic Extraction of Non-Volatile and Semi-Volatile Organic Compounds from Solids, USEPA SW-846, Sept. 1986.

Analyst: Reviewed: 