



October 21, 1991

Route 3, Box 7  
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Mr. Rich Mayer  
U. S. Environmental Protection Agency  
Region VI  
1445 Ross Avenue Suite 1200  
Dallas, Texas 75202-2733

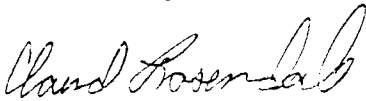
RE: Phase II RFI Draft Report  
Giant Refining Company  
Permit No. NMD000333211

Dear Mr. Mayer:

The attached documents include the draft report required by the Phase II RCRA Facility Investigation. The Phase II investigation includes three Solid Waste Management Units, all of which are associated with the process waste water storage and evaporation.

If you have any questions, contact my office at (505) 722-3833.

Sincerely,

  
Claud Rosendale  
Environmental Manager  
Ciniza Refinery

cc w/enclosures (3) : David Boyer - Chief: Environmental Bureau  
New Mexico Oil Conservation Division

Richard Mitzelfelt - Director  
New Mexico Environment Department

Linda Carleson - Head Librarian  
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Kim Bullerdick - Corporate Counsel  
Giant Industries Arizona, Inc.

File  
Giant Refining Company

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RCRA FACILITY INVESTIGATION  
PHASE II - DRAFT  
GIANT REFINING COMPANY  
GALLUP, NEW MEXICO  
OCTOBER 21, 1991

BOOK 1



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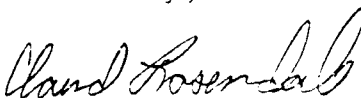
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# PHASE II RFI

## TABLE OF CONTENTS

	Page #
Table of Contents . . . . .	i
List of Figures . . . . .	iii
List of Tables . . . . .	iv
1.0 Introduction . . . . .	1.0
1.1 General Introduction - Phase II . . . . .	1.1
1.2 Sample Numering System . . . . .	1.4
1.3 Certification . . . . .	1.5
2.0 Quarterly Progress Reports . . . . .	2.0
2.1 February 12, 1991 . . . . .	2.1
2.2 June 20, 1991 . . . . .	2.3
3.0 Project Notifications . . . . .	3.0
3.1 Request for Printing of Public Notice . . . . .	3.1
3.2 Affidavit of Publication . . . . .	3.3
4.0 Sample Collection Data . . . . .	4.0
4.1 Sample Bottle Request . . . . .	4.1
4.2 Status Report Outlining the Sample Numbering System . . . . .	4.18
4.3 Maps Specifying Sample Locations . . . . .	4.19
4.4 SWMU #1 Soil Specific Sample Data	
4.4.1 Field Equipment Checklist . . . . .	4.23
4.4.2 Equipment Calibration Charts . . . . .	4.26
4.4.3 Data Management Forms . . . . .	4.29
4.4.4 Chain of Custody . . . . .	4.35
4.5 SWMU #2 Ground Water Specific Sampling Data	
4.5.1 Field Equipment Checklist . . . . .	4.44
4.5.2 Equipment Calibration Charts . . . . .	4.46
4.5.3 Sample Record . . . . .	4.48
4.5.4 Data Management Forms . . . . .	4.51
4.5.5 Chain of Custody . . . . .	4.60
4.6 SWMU #2 Soil Specific Sampling Data	
4.6.1 Field Equipment Checklist . . . . .	4.70
4.6.2 Equipment Calibration Charts . . . . .	4.74
4.6.3 Data Management Forms . . . . .	4.78
4.6.4 Chain of Custody . . . . .	4.96

4.7	SWMU #13 Soil Specific Sampling Data	
4.7.1	Field Equipment Checklist . . . . .	4.107
4.7.2	Equipment Calibration Charts . . . . .	4.108
4.7.3	Data Management Forms . . . . .	4.109
4.7.4	Chain of Custody . . . . .	4.113
5.0	Statistical Information for Samples . . . . .	5.0
5.1	General Review . . . . .	5.1
5.2	Statistical Analysis Methodology . . . . .	5.16
5.3	Notes on Statistical Analysis . . . . .	5.17
5.4	Background Calculations . . . . .	5.18
5.4.1	Original Background Data . . . . .	5.18
5.4.2	New Background Data . . . . .	5.22
5.5	Statistical Comparisons of Original Background Data to Compliance Data for: . . . . .	5.23
5.5.1	SWMU #1 . . . . .	5.23
5.5.2	SWMU #2 . . . . .	5.28
5.5.3	SWMU #3 . . . . .	5.40
5.6	Statistical Comparisons of Background Data (including new beryllium data) to Compliance Data for: . . . . .	5.42
5.6.1	SWMU #1 . . . . .	5.42
5.6.2	SWMU #2 . . . . .	5.47
5.6.3	SWMU #13 . . . . .	5.59
6.0	Tabulated Analytical Summary for Samples . . . . .	6.0
6.1	SWMU #1 - Aeration Basins . . . . .	6.1
6.2	SWMU #2 - Evaporation Ponds (Soil) . . . . .	6.19
6.3	SWMU #2 - Evaporation Ponds (Groundwater). . . . .	6.37
6.4	SWMU #13 - Drainage Ditch Between APIs Evaporation Ponds and Neutralization Tank Evaporation Ponds . . . . .	6.40
7.0	Original Analytical Data . . . . .	7.0
7.1	SWMU #1 - Aeration Basin . . . . .	7.1
7.2	SWMU #2 - Evaporation Ponds (Groundwater). . . . .	7.215
7.3	SWMU #2 - Evaporation Ponds (Soil) . . . . .	7.307
7.4	SWMU #13 - Drainage Ditch Between APIs Evaporation Ponds and Neutralization Tank Evaporation Ponds . . . . .	7.536
8.0	Summary and Comments . . . . .	8.0
8.1	SWMU #1 Aeration Basin . . . . .	8.1
8.2	SWMU #2 Evaporation Ponds . . . . .	8.4
8.3	SWMU #13 Drainage Ditch between APIs Evaporation Ponds and Neutralization Tank Evaporation Ponds . . . . .	8.8
8.4	Beryllium Conclusions . . . . .	8.10

## LIST OF FIGURES

	Page #
Figure 1.1 General Location Map - Ciniza Refinery Area . . .	1.2
Figure 1.2 Site Map - Giant Refinery . . . . .	1.3
Figure 4.1 Site Map - Giant Refinery . . . . .	4.19
Figure 4.2 Aeration Basin . . . . .	4.20
Figure 4.3 Evaporation Ponds . . . . .	4.21
Figure 4.4 Drainage Ditch . . . . .	4.22
Figure 5.1 Land Treatment Demonstration Vicinity and Site Plan . . . . .	5.3
Figure 5.2 Land Treatment Demonstration - Sample Locations - Pre Demo Event, April 87 . . . . .	5.4
Figure 5.3 Land Treatment Demonstration - Sample Locations - Event No. 5, April 88 . . . . .	5.5
Figure 5.4 New Background Sample Location for Beryllium . .	5.8
Figure 8.1 Sample Locations - SWMU #1 . . . . .	8.3
Figure 8.2 Sample Locations - SWMU #2 - Soils . . . . .	8.6
Figure 8.3 Sample Locations - SWMU #2 - Groundwater . . . .	8.7
Figure 8.4 Sample Locations - SWMU #13 . . . . .	8.9

## LIST OF TABLES

	Page #
TABLE 5.1 Background Sample Data 4-28-87 . . . . .	5.6
TABLE 5.2 Background Sample Data 4-5/6-88 . . . . .	5.7
TABLE 5.3 Assaigai Analytical for Lagoon Wastewater . . . . .	5.14
TABLE 5.4 RMAL Analytical for Lagoon Wastewater . . . . .	5.15

SECTION 1.0  
INTRODUCTION



## INTRODUCTION

### PHASE II

This document outlines the specific activities that have been conducted for the Phase II sampling requirements for Giant Refining Company. All sampling, analytical and statistical calculations have been completed with the results incorporated in this report.

Soil samples were collected from SWMU's #1, #2, and #13 with groundwater samples also being collected from SWMU #2. All soil and groundwater samples were collected by Giant Refining personnel. Most of the soil samples were collected by using a backhoe to dig to the start of each sample interval. A hand auger was then used for the sample collection. The remainder of the samples (shallow bores) were bored and collected with the hand auger. The backhoe and sampling equipment was decontaminated between each boring. The soil samples were collected from May 9 to May 22, 1991. The monitor wells were purged with a submersible pump until all the water was removed from the well. The samples were collected using a stainless steel bail. Again, all equipment was decontaminated as required by the approved generic sampling plan. The groundwater samples were collected on April 30 and May 1, 1991.

All samples were sent to Analytical Technologies, Inc. (ATI) in Mesa, Arizona for final testing. Some of the samples were farmed out to other ATI laboratories to meet required completion dates. All samples were analyzed as required by the generic sampling plan. Section 6 has the analytical data in a tabulated summary form and Section 7 includes copies of all original analytical data.

The statistical analysis and results are included in Section 5. This section outlines the methodology used in determining the background values for the metals and the actual comparisons of the background values to the sample results.

