Grcc 04

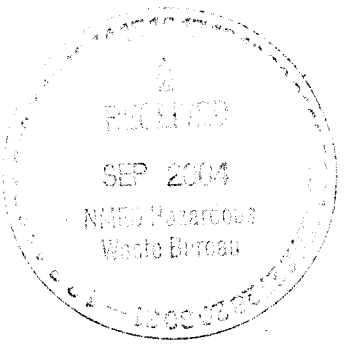
GIANT
REFINING COMPANY

ROUTE 3 BOX 7
GALLUP
NEW MEXICO 87301

PHONE
505-722-3833
INTERNET
WWW.GIANT.COM

CERTIFIED MAIL 7099 3220 0001 1425 4951

August 30, 2004



Mr. Roger Anderson
Environmental Bureau Chief
New Mexico Oil Conservation Division
1220 South Street Francis Drive
Santa Fe, NM 87505

Re: 2003 OCD Annual Reports

Attached please find the 2003 Annual Groundwater Report for the Giant Ciniza Refinery, as required by Discharge Permit GW-032, permit condition 16.A. Included with this report are the formal report items required by permit condition 21. This report also addresses the following permit condtions:

- Condition 8.b. The API separator closure plan.
- Condition 17.b. Northeast OCD Land Treatment Area (Old Railroad Rack Lagoon Temporary Landfarm analytic results.
- Condition 18. Railroad rack lagoon closure plan.
- Condition 19.D. Temporary storage pond closure plan.
- Condition 20.3. Pilot Travel Center sampling and metering station.

The followings wells were sampled in 2003:

- MW 1,2,4,5
- OW 11,12,13,14,29,30

Summaries of the analytical can be found in 16.A.ii. and copies of the lab analysis for these wells can be found in 21.B. Monitor wells 1,2,4, & 5 were non detect for all parameters analyzed for except for barium. Minute amounts were found in the range of .083 to .15 ppm which is below groundwater standards. OW wells 11,12,13,14,29 & 30 were analyzed for BTEX and MTBE. All parameters were non detect except for 2.7 ppb for MTBE at OW30 and the following were detected in OW14:

- benzene- 190 ppb
- toluene- 2 ppb
- ethylbenzene- 2.3 ppb
- xylene- 2.5 ppb
- MTBE- 46 ppb

Surface water sampling was conducted at the aeration lagoon inlet (AL1-IN), evaporation pond 1 inlet (EPI-IN) and the outlet from evaporation pond 2 (EP2-OUT). Summaries of the analytical can be found in 16.A.ii. BTEX and MTBE were detected in AL1-IN. EPI-IN and EP2-OUT were all non detect for BTEX and MTBE except for the following:

- EP1-IN xylene- 13 ppb
  MTBE- 17 ppb
- EP2-OUT toluene- 1.2 ppb
  xylene- 1 ppb

If you have any questions regarding this report please contact me at (505) 722-0217.

Sincerely,

Ed Riege
Environmental Superintendent

C: Matt Davis w/o report
Denny Foust, OCD, Aztec Office w/report
Dave Cobrain / Hope Monzeglio NMED

GIANT CINIZA REFINERY
-2003 OCD ANNUAL REPORTS-
GW – 32

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GRCC 04

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

August 03, 2004

Steve Morris
Giant Refining Co
Rt. 3 Box 7
Gallup, NM 87301
TEL: (505) 722-3833
FAX (505) 722-0210

RE: EP-1 New Well

Order No.: 0407300

Dear Steve Morris:

Hall Environmental Analysis Laboratory received 1 sample on 7/29/2004 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

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

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

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory

Date: *03-Aug-04*

CLIENT: Giant Refining Co
Lab Order: 0407300
Project: EP-1 New Well
Lab ID: 0407300-01

Client Sample ID: EP-1-New Well
Collection Date: 7/28/2004 8:00:00 AM
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	2	8/2/2004 8:46:10 PM
Toluene	ND	1.0		µg/L	2	8/2/2004 8:46:10 PM
Ethylbenzene	1.5	1.0		µg/L	2	8/2/2004 8:46:10 PM
Xylenes, Total	3.4	1.0		µg/L	2	8/2/2004 8:46:10 PM
Surr: 4-Bromofluorobenzene	105	74-118		%REC	2	8/2/2004 8:46:10 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory

Date: *03-Aug-04*

CLIENT: Giant Refining Co
Work Order: 0407300
Project: EP-1 New Well

QC SUMMARY REPORT

Method Blank

Sample ID **Reagent Blank 5m** Batch ID: **R12630** Test Code: **SW8021** Units: **µg/L** Analysis Date **8/2/2004 8:00:14 AM** Prep Date

Client ID: Run ID: **PIDFID_040802A** SeqNo: **292874**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.5									
Toluene	ND	0.5									
Ethylbenzene	ND	0.5									
Xylenes, Total	ND	0.5									
Surr: 4-Bromofluorobenzene	20.61	0	20	0	103	74	118	0			

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

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Hall Environmental Analysis Laboratory

Date: *03-Aug-04*

CLIENT: Giant Refining Co
Work Order: 0407300
Project: EP-1 New Well

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID **BTEX Std 100ng** Batch ID: **R12630** Test Code: **SW8021** Units: **µg/L** Analysis Date **8/2/2004 9:00:53 AM** Prep Date

Client ID: Run ID: **PIDFID_040802A** SeqNo: **292886**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.36	0.5	20	0	96.8	81.3	121	0			
Toluene	20.52	0.5	20	0	103	84.9	118	0			
Ethylbenzene	20.4	0.5	20	0	102	53.8	149	0			
Xylenes, Total	61.56	0.5	60	0	103	83.1	122	0			

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

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Hall Environmental Analysis Laboratory

Sample Receipt Checklist

Client Name GIANTREFIN

Date and Time Received: 7/29/2004

Work Order Number 0407300

Received by AT

Checklist completed by _____ 7/29/04
Signature Date

Matrix

Carrier name FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☑	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	
Container/Temp Blank temperature?	8°	*4° C ± 2 Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

CHAIN-OF-CUSTODY RECORD

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

Client: Giant Refining Company - Ciniza
Address: Route 3 Box 7 Gallup, NM 87301
Phone #: 505 722 3833
Fax #: 505 722 0210

Project Name: EP-1-New Well
Project #:
Project Manager: Steve Morris
Sampler: Steve Morris
Samples Cold?: ☒ Yes ☐ No

Date	Time	Matrix	Sample I.D. No.	Number/Volume	Preservative $HgCl_2$	Preservative HCl	HEAL No.
7/28/04	0800	H_2O	EP-1-New Well	2	✓		0407380-1

ANALYSIS REQUEST

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

Date:	Time:	Relinquished By: (Signature)	Received By: (Signature)
7/28/04	0830		7/29/04 1031
Date:	Time:	Relinquished By: (Signature)	Received By: (Signature)

Remarks: