

GIRAC 04



4104
HF alkylation unit Fire
Fire water overflow API separator
Sample

FAX COVER SHEET

From: Lynn Miles

TO: Dave Cobrain

COMPANY: NM Environmental

Fax # (505) 428-2567

GIANT INDUSTRIES, INC.
REGIONAL ACCOUNTING OFFICE
ROUTE 3, BOX 7
GALLUP, NEW MEXICO 87301

IF YOU DO NOT RECEIVE ALL OF THE PAGES,
PLEASE CALL ME AT: (505) 722-3833
FAX # (505) 722-0268

I AM TRANSMITTING 5
PAGES FOLLOWING THIS COVER SHEET

DATE: April 20, 2004

TIME: 10:00 AM

REGARDING: _____

Have a nice day!



COVER LETTER

April 16, 2004

Dorinda Mancini
Giant Refining Co
Rt. 3 Box 7
Gallup, NM 87301
TEL: (505) 722-0227
FAX (505) 722-0210

RE: Ciniza Incident 4/8/04 Stormwater

Order No.: 0404094

Dear Dorinda Mancini:

Hall Environmental Analysis Laboratory received 2 samples on 4/13/2004 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



Hall Environmental Analysis Laboratory

Date: 16-Apr-04

CLIENT: Giant Refining Co
Project: Ciniza Incident 4/8/04 Stormwater
Lab Order: 0404094

CASE NARRATIVE

The phenols are not reported because the samples were not collected in the appropriate containers and the samples were not preserved.

The metals samples were filtered and preserved at the laboratory.

The diesel range result reported for outfall #2 is not indicative of diesel range organics. A few peaks are in the diesel range giving the low level hit.

Hall Environmental Analysis Laboratory

Date: 16-Apr-04

CLIENT: Giant Refining Co
Lab Order: 0404094
Project: Ciniza Incident 4/8/04 Stormwater
Lab ID: 0404094-01

Client Sample ID: E Side Arroyo
Collection Date: 4/8/2004 3:30:00 PM

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						
Chloride	6500	25		mg/L	250	Analyst: JDC 4/15/2004 12:48:05 PM
EPA METHOD 8015B: DIESEL RANGE						
Diesel Range Organics (DRO)	ND	0.50		mg/L	1	Analyst: JMP 4/13/2004 6:52:02 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/13/2004 6:52:02 PM
Surr: DNOP	121	58-140		%REC	1	4/13/2004 6:52:02 PM
EPA METHOD 8015B: GASOLINE RANGE						
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	Analyst: NSB 4/13/2004 9:57:09 AM
Surr: BFB	98.6	74.5-115		%REC	1	4/13/2004 9:57:09 AM
EPA METHOD 8021B: VOLATILES						
Benzene	ND	0.50		µg/L	1	Analyst: NSB 4/13/2004 9:57:09 AM
Toluene	ND	0.50		µg/L	1	4/13/2004 9:57:09 AM
Ethylbenzene	ND	0.50		µg/L	1	4/13/2004 9:57:09 AM
Xylenes, Total	ND	0.50		µg/L	1	4/13/2004 9:57:09 AM
Surr: 4-Bromofluorobenzene	100	74-118		%REC	1	4/13/2004 9:57:09 AM
EPA 120.1: SPECIFIC CONDUCTANCE						
Specific Conductance	150000	0.010		µmhos/cm	1	Analyst: MAP 4/13/2004
MERCURY, DISSOLVED						
Mercury	0.0019	0.0010		mg/L	5	Analyst: IC 4/15/2004
EPA METHOD 6010C: DISSOLVED METALS						
Arsenic	ND	0.020		mg/L	1	Analyst: NMO 4/15/2004 12:13:45 PM
Barium	0.85	0.0020		mg/L	1	4/15/2004 12:13:45 PM
Cadmium	ND	0.0020		mg/L	1	4/15/2004 12:13:45 PM
Chromium	ND	0.0060		mg/L	1	4/15/2004 12:13:45 PM
Copper	ND	0.0060		mg/L	1	4/15/2004 12:13:45 PM
Iron	0.056	0.020		mg/L	1	4/15/2004 12:13:45 PM
Lead	ND	0.0050		mg/L	1	4/15/2004 1:32:52 PM
Manganese	0.58	0.0020		mg/L	1	4/15/2004 12:13:45 PM
Selenium	0.093	0.020		mg/L	1	4/15/2004 12:13:45 PM
Silver	ND	0.0050		mg/L	1	4/15/2004 12:13:45 PM
Uranium	ND	0.10		mg/L	1	4/15/2004 12:13:45 PM
Zinc	0.025	0.0050		mg/L	1	4/16/2004 7:42:07 AM 4/15/2004 12:13:45 PM
EPA METHOD 150.1: PH						
pH	7.92	0.010		pH units	1	Analyst: MAP 4/13/2004
EPA METHOD 160.2: TSS						
Suspended Solids	720	1.0		mg/L	1	Analyst: MAP 4/13/2004

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: 16-Apr-04

CLIENT: Giant Refining Co
 Lab Order: 0404094
 Project: Ciniza Incident 4/8/04 Stormwater
 Lab ID: 0404094-02

Client Sample ID: Outfall #2
 Collection Date: 4/8/2004 3:00:00 PM

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						
Chloride	7900	25		mg/L	250	Analyst: JDC 4/15/2004 1:04:53 PM
EPA METHOD 8015B: DIESEL RANGE						
Diesel Range Organics (DRO)	0.52	0.50		mg/L	1	Analyst: JMP 4/13/2004 7:22:31 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/13/2004 7:22:31 PM
Surr: DNOP	120	58-140		%REC	1	4/13/2004 7:22:31 PM
EPA METHOD 8015B: GASOLINE RANGE						
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	Analyst: NSB 4/13/2004 10:27:19 AM
Surr: BFB	103	74.5-115		%REC	1	4/13/2004 10:27:19 AM
EPA METHOD 8021B: VOLATILES						
Benzene	ND	0.50		µg/L	1	Analyst: NSB 4/13/2004 10:27:19 AM
Toluene	ND	0.50		µg/L	1	4/13/2004 10:27:19 AM
Ethylbenzene	ND	0.50		µg/L	1	4/13/2004 10:27:19 AM
Xylenes, Total	ND	0.50		µg/L	1	4/13/2004 10:27:19 AM
Surr: 4-Bromofluorobenzene	103	74-118		%REC	1	4/13/2004 10:27:19 AM
EPA 120.1: SPECIFIC CONDUCTANCE						
Specific Conductance	150000	0.010		µmhos/cm	1	Analyst: MAP 4/13/2004
MERCURY, DISSOLVED						
Mercury	ND	0.0010		mg/L	5	Analyst: IC 4/15/2004
EPA METHOD 6010C: DISSOLVED METALS						
Arsenic	ND	0.020		mg/L	1	Analyst: NMO 4/15/2004 12:17:23 PM
Barium	1.9	0.010		mg/L	5	4/16/2004 7:32:15 AM
Cadmium	ND	0.0020		mg/L	1	4/15/2004 12:17:23 PM
Chromium	ND	0.0080		mg/L	1	4/15/2004 12:17:23 PM
Copper	ND	0.0060		mg/L	1	4/15/2004 12:17:23 PM
Iron	0.061	0.020		mg/L	1	4/15/2004 12:17:23 PM
Lead	ND	0.0050		mg/L	1	4/15/2004 1:34:06 PM
Manganese	0.64	0.0020		mg/L	1	4/15/2004 12:17:23 PM
Selenium	0.097	0.020		mg/L	1	4/15/2004 12:17:23 PM
Silver	ND	0.0050		mg/L	1	4/15/2004 12:17:23 PM
Uranium	ND	0.10		mg/L	1	4/15/2004 12:17:23 PM
Zinc	0.062	0.0050		mg/L	1	4/16/2004 7:43:12 AM
EPA METHOD 150.1: PH						
pH	7.81	0.010		pH units	1	Analyst: MAP 4/13/2004
EPA METHOD 160.2: TSS						
Suspended Solids	420	1.0		mg/L	1	Analyst: MAP 4/13/2004

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

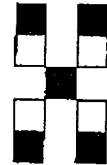
S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

CHAIN-OF-CUSTODY RECORD

Accreditation Applied:
 NELAC USACE
 Other: _____
 Project Name: Ciniza Incident
4/8/04 - Stormwater
 Project #:
 Project Manager:
Dorinda Mancini

Client: GIANT IND, d/b/a
GIANT Refining Co - Ciniza
 Address: Rt 3 Box 7
Gallup, NM 87301

Phone #: 505-722-3833
 Fax #: 505-722-0210
 Sampler: Steve Morris
 Sample Temperature: 5°C



HALL ENVIRONMENTAL ANALYSIS LABORATORY
 4901 Hawkins NE, Suite D
 Albuquerque, New Mexico 87109
 Tel. 505.345.3975 Fax 505.345.4107
 www.hallenvironmental.com

ANALYSIS REQUEST

Date	Time	Matrix	Sample I.D. No.	Number/Volume	Preservative			HEAL No.
					H ₂ O ₂	HNO ₃	Cap/Sp	
<u>4/8/04</u>	<u>1530</u>	<u>Water</u>	<u>East side arroyo</u>	<u>1 GAL. PLASTIC</u>				<u>14104894-1</u>
<u>4/8/04</u>	<u>1500</u>	<u>Water</u>	<u>Outfall #2</u>	<u>7 GAL. PLASTIC</u>				<u>-2</u>

BTEX + MTBE + TMBE's (8021)	BTEX + MTBE + TPH (Gasoline Only)	TPH Method 8015B MOD (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8021)	8910 (PMA or PAH)	RCRA B Metals	Cations (Na, K, Ca, Mg)	Anions (Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)	8081 Pesticides / PCB's (8082)	8260 (VDA)	8260 (VDA)	<u>Phenols</u>	<u>WQCC dissolved metal</u>	ISS	Air Bubbles or He	Y or N
X		X							X			X	X	X	X	X	X
X		X							X			X	X	X	X	X	X

Date: 4-13-04 Time: 8:45 Relinquished By: (Signature) Lynn Miles Lynn Miles
 Date: _____ Time: _____ Relinquished By: (Signature) _____
 Remarks: Delivered in Person
4/13/04 8:45

Remarks: Samples need filtering before analysis! RUSH!