

Monzeglio, Hope, NMENV

From: Jim Lieb [jlieb@giant.com]
Sent: Monday, June 25, 2007 12:14 PM
To: Monzeglio, Hope, NMENV; Chavez, Carl J, EMNRD
Cc: Ed Riege; Ed Rios; Steve Morris; Cheryl Johnson; Joel Quinones; Don Riley; William Chojnacky; John Platero
Subject: Weir Box Overflow - Western Refining - Ciniza Refinery
Importance: High
Attachments: _0625121005_001.pdf

Hope, Carl:

On Saturday (6-23-07) evening at 9:00 PM our control room got high level indicator alarm regarding the weir box of the New API Separator (NAPIS). Our lab was notified about the high level alarm. The lab foremen went out to check the weir box and noticed it was overflowing. He put the weir box on bypass (this allows water to bypass the weir box and flow straight into the NAPIS) and cleared out the debris. We estimate that as many as 10 barrels of waste water was spilled onto the ground. Some of the water pooled around the weir box and the rest flowed alongside the north side of the NAPIS. It continued approximately 100 feet down slope into a bermed area. The water was contained within the berm. The water soaked into the soil around the weir box and in the bermed area. I looked at the soil that we recovered; it looks pretty clean, so the oil content in the water that spilled was relatively low. We will place the soil in our waste soil staging area. It will be placed in a bermed spot on plastic liner. We estimate that 95% of the impacted soil has been removed thus far. We will continue the recovery of impacted soil. I calculated the benzene release amount; it is less than half the CERCLA RQ (RQ = 10 pounds).

I prepared the OCD's C-141 release notification form and have attached it to my email.

If you have any questions on the spill, please contact me at 505-722-0227 or jlieb@giant.com

Regards,

Jim Lieb
Environmental Engineer
Giant Industries, Inc.
Ciniza Refinery
I-40, Exit 39
Jamestown, NM 87347
(505) 722-0227
fax (505) 722-0210
jlieb@giant.com

This inbound email has been scanned by the MessageLabs Email Security System.

6/25/2007

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company	Western Refining – Ciniza Refinery	Contact	Jim Lieb
Address I-40, Exit 39, Jamestown NM 87347		Telephone No.	505-722-0227
Facility Name	Ciniza Refinery	Facility Type	Oil refinery

Surface Owner	Giant Industries, Inc.	Mineral Owner	Giant Industries, Inc.	Lease No.	
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LOCATION OF RELEASE

Unit Letter	Section 23 & 33	Township 15N	Range 15W	Feet from the	North/South Line	Feet from the	East/West Line	County McKinley
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Latitude 35°29'30"

Longitude -108°24'40"

NATURE OF RELEASE

Type of Release	Process Waste Water	Volume of Release: 10 barrels estimate (420 gallons)	Volume Recovered: 400 gallons estimate (in soil)
Source of Release	Weir Box of the New API Separator	Date and Hour of Occurrence 6/23/07 2100 hours	Date and Hour of Discovery 6/23/07 2105 hours
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?		Date and Hour	at hours
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Cause: Weir box screen became partially clogged with debris/trash causing waste water to overflow.

Remedial action: Debris was removed from the weir box screen and normal flow through the weir box resumed.

Describe Area Affected and Cleanup Action Taken.*

The area surrounding the weir box, along the north side of the NAPIS, and down slope approximately 100 feet from the NAPIS. A berm is in place down slope of the NAPIS. Waste water that made it to the berm was contained within the berm. The waste water soaked into the soil around the weir box and within the bermed area. Approximately 95% of the contaminated soil has been recovered as of the time of this report. The cleanup will continue until the remainder of the impacted soil is removed. The soil will be placed on plastic liner and enclosed by a berm in our waste soil staging area for final disposition.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Jim Lieb	Approved by District Supervisor:		
Title: Environmental Engineer	Approval Date:	Expiration Date:	
E-mail Address: jlieb@giant.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 6-25-07	Phone: (505) 722-0227		

* Attach Additional Sheets If Necessary

Monzeglio, Hope, NMENV

From: Jim Lieb [jlieb@giant.com]
Sent: Monday, June 25, 2007 1:50 PM
To: Monzeglio, Hope, NMENV
Cc: Ed Riege; Steve Morris; Chavez, Carl J, EMNRD; ann.allen@westernrefining.com
Subject: RE: Weir Box Overflow - Western Refining - Ciniza Refinery
Importance: High
Attachments: _0625133101_001.pdf

Hope:

In March 2007 we conducted Benzene NESHAP end of line testing. Sampling included the inlet to the weir box at the NAPIS. Three separate samples collected on March 28 were analyzed for benzene and yielded 12 mg/l, 12 mg/l and 15 mg/l. I attached the pertinent test data to this reply email. Using the worst case test data, I calculated the benzene released on 6-23-07 as follows:

Estimated Spill volume = ten 42-gallon barrels in one day = 420 gallons equivalent to: $420/1,000,000 = 0.00042$ MGD

Lbs/day = $8.34 \times \text{mg/l} \times \text{MGD} = 8.34 \times 15 \text{ mg/l benzene} \times 0.00042 \text{ MGD} = 0.05 \text{ lb benzene/day}$

Which is less than the 10 pound CERCLA RQ for benzene. If there is anything else I can be of assistance, please let me know.

Regards,
 Jim Lieb

From: Monzeglio, Hope, NMENV [mailto:hope.monzeglio@state.nm.us]
Sent: Monday, June 25, 2007 12:32 PM
To: Jim Lieb
Cc: Cobrain, Dave, NMENV; Frischkorn, Cheryl, NMENV; CarlJ.Chavez@state.nm.us; Ed Riege
Subject: RE: Weir Box Overflow - Western Refining - Ciniza Refinery

Jim

Let me know how you calculated the benzene release amount.

Thanks Hope

From: Jim Lieb [mailto:jlieb@giant.com]
Sent: Monday, June 25, 2007 12:14 PM
To: Monzeglio, Hope, NMENV; Chavez, Carl J, EMNRD
Cc: Ed Riege; Ed Rios; Steve Morris; Cheryl Johnson; Joel Quinones; Don Riley; William Chojnacky; John Platero
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6/25/2007



COVER LETTER

Wednesday, April 04, 2007

Steve Morris
Giant Refining Co-Ciniza
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: Benzene Neshaps End of Line 1st Qtr. 2007

Order No.: 0703466

Dear Steve Morris:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 3/29/2007 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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001



Hall Environmental Analysis Laboratory, Inc.

Date: 04-Apr-07

CLIENT: Giant Refining Co-Ciniza **Client Sample ID:** NAPIS Inlet Weir A
Lab Order: 0703466 **Tag Number:**
Project: Benzene Neshaps End of Line 1st Qtr. 2007 **Collection Date:** 3/28/2007 11:00:00 AM
Lab ID: 0703466-02A **Date Received:** 3/29/2007 **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	12000	500		µg/L	500	4/3/2007 3:13:35 AM
Surr: 4-Bromofluorobenzene	93.8	70.2-105		%REC	500	4/3/2007 3:13:35 AM

Qualifiers: * Value exceeds Maximum Contaminant Level B Analyte detected in the associated Method Blank
 E Value above quantitation range H Holding times for preparation or analysis exceeded
 J Analyte detected below quantitation limits MCL Maximum Contaminant Level
 ND Not Detected at the Reporting Limit RL Reporting Limit
 S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 04-Apr-07

CLIENT: Giant Refining Co-Ciniza **Client Sample ID:** NAPIS Inlet Weir B
Lab Order: 0703466 **Tag Number:**
Project: Benzene Neshaps End of Line 1st Qtr. 2007 **Collection Date:** 3/28/2007 11:00:00 AM
Lab ID: 0703466-02B **Date Received:** 3/29/2007 **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	12000	500		µg/L	500	4/3/2007 3:43:37 AM
Surr: 4-Bromofluorobenzene	94.0	70.2-105		%REC	500	4/3/2007 3:43:37 AM

Qualifiers: * Value exceeds Maximum Contaminant Level B Analyte detected in the associated Method Blank
E Value above quantitation range H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit RL Reporting Limit
S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 04-Apr-07

CLIENT: Giant Refining Co-Ciniza **Client Sample ID:** NAPIS Inlet Weir C
Lab Order: 0703466 **Tag Number:**
Project: Benzene Neshaps End of Line 1st Qtr. 2007 **Collection Date:** 3/28/2007 11:00:00 AM
Lab ID: 0703466-02C **Date Received:** 3/29/2007 **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	15000	500		µg/L	500	4/3/2007 4:13:35 AM
Surr: 4-Bromofluorobenzene	94.2	70.2-105		%REC	500	4/3/2007 4:13:35 AM

Qualifiers: * Value exceeds Maximum Contaminant Level
 E Value above quantitation range
 J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 MCL Maximum Contaminant Level
 RL Reporting Limit