

Monzeglio, Hope, NMENV

From: Jim Lieb [Jim.Lieb@wnr.com]
Sent: Wednesday, January 02, 2008 3:46 PM
To: Chavez, Carl J, EMNRD; Monzeglio, Hope, NMENV; Powell, Brandon, EMNRD
Cc: Price, Wayne, EMNRD; Cobrain, Dave, NMENV; Ed Rios; Ed Riege; Bryon Holbrook; Cheryl Johnson; Loretta Morgan; Joel Quinones; Butch Turpen; Ann Allen
Subject: Ethanol Spill at Western (Giant) Refining Gallup
Importance: High
Attachments: EthanolRelease 12-31-07.pdf

Carl, Hope, and Brandon:

The Western (Giant) Refining Refinery near Gallup experienced a release of ethanol in the early morning of December 31, 2007. I have prepared the OCD's C-141 Form for the release and attached it to this email. The release occurred as a result of a gauge that came loose on the Marketing Tank Number 5 ethanol pump (not the #6 marketing tank as in my oral report). The quantity released was 32 barrels (1,344 gallons). Most of the ethanol spilled into the diked area surrounding the #5 Marketing Tank but some sprayed into the vapor recovery unit area adjacent to the tanker truck loading. We washed down the impacted area with water to dilute the ethanol to prevent fire. A vac truck was dispatched to recover the ethanol. We estimate that approximately half of the ethanol has been recovered so far. We put the recovered ethanol into a frac tank. We will recover more after a second frac tank arrives that we can transfer the ethanol into. Some ethanol has evaporated due to its relatively high vapor pressure. We anticipate that the ethanol will evaporate from the soil in the diked area of Tank #5 after the recovery efforts have ended.

If you have any questions, please contact me.

Regards,

Jim Lieb
Environmental Engineer
Western Refining, Inc.
Gallup Refinery
I-40, Exit 39
Jamestown, NM 87347
(505) 722-0227
fax (505) 722-0210
jim.lieb@wnr.com

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

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 (Giant) Refining: Gallup Refinery	Contact Jim Lieb
Address I-40, Exit 39, Jamestown NM 87347	Telephone No. 505-722-0227
Facility Name: Gallup 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

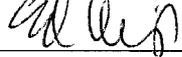
Type of Release: Ethanol (ethyl alcohol)	Volume of Release: 32 barrels 1,344 gallons	Volume Recovered: 16 barrels
Source of Release: Marketing Tank #56	Date and Hour of Occurrence: 12/31/07 @ 12:30 AM (estimate)	Date and Hour of Discovery: 12/31/07 @ 12:50 AM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
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.*
A pressure gauge on the ethanol pump at Marketing Tank #57 (ethanol storage tank) came loose. Ethanol leaked from the gauge onto the surrounding ground and flowed into the diked area surrounding Marketing Tank #57. Some ethanol sprayed into the nearby VRU area. We sprayed down the area with water to dilute the ethanol. A vac truck was dispatched to vacuum up the ethanol/water mixture. We estimate that approximately 16 barrels of ethanol has been vacuumed up so far. The recovered ethanol was transferred into a frac tank. Some of the spilled ethanol has evaporated. We are bringing in a second frac tank for recovery of the remaining ethanol.

Describe Area Affected and Cleanup Action Taken.* The released ethanol is within the dike surrounding the Marketing Tank #57. None of the release got off Giant property. We anticipate that any ethanol remaining after recovery will evaporate from the soil.

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: 	OIL CONSERVATION DIVISION		
Printed Name: <u>ED RIOS</u>	Approved by District Supervisor:		
Title: General Manager	Approval Date:	Expiration Date:	
E-mail Address: <u>erios@giant.com</u>	Conditions of Approval:		Attached <input type="checkbox"/>
Date: January 2, 2008 Phone: (505) 722-0202			

* Attach Additional Sheets If Necessary

Monzeglio, Hope, NMENV

From: Monzeglio, Hope, NMENV
Sent: Wednesday, January 02, 2008 4:07 PM
To: 'Jim Lieb'; 'Ed Riege'
Cc: Chavez, Carl J, EMNRD; Price, Wayne, EMNRD; Cobrain, Dave, NMENV; Frischkorn, Cheryl, NMENV
Subject: ethanol spill

Jim

I received your message about the ethanol spill.

For disposal purposes any excavated soil should be analyzed for ethanol, diesel range organics (DRO) extended and gasoline range organics (GRO). If GRO is greater than 40 ppm then the sample must also be analyzed for EPA Method 8260. Flash point should also be run. The disposal facility may require additional analyses.

For confirmation sampling, a representative amount of confirmation samples must be collected and analyzed for ethanol, DRO extended, and GRO, if GRO is greater than 40 ppm then the sample should also be analyzed for EPA Method 8260.

Let me know if you have any questions.

Hope

Hope Monzeglio
Environmental Specialist
New Mexico Environment Department
Hazardous Waste Bureau
2905 Rodeo Park Drive East, BLDG 1
Santa Fe NM 87505
Phone: (505) 476-6045; Main No.: (505)-476-6000
Fax: (505)-476-6060
hope.monzeglio@state.nm.us

Websites:
New Mexico Environment Department
Hazardous Waste Bureau

COMMUNICATION RECORD

Job No.

Phone Call from Jim Lieb Giant – Gallup Refinery

Route to:

Date: 1/2/08

Message left with Hope Monzeglio - NMED

Time: ~11:30 pm

Phone No.

Recorded By: hm

Subject: Giant Refining Company, Gallup Refinery -

Remarks: Jim Lieb called and left a message to report a release of ethanol alcohol occurring at marketing tank No 6. Giant estimated that approximately 32 barrels of ethanol was released from a leaking gage on the tank. The ethanol was released onto ground and contained within the dike that surrounds marketing tank No. 6. Giant sent out a vac truck within few hours of spill and estimated they have cleaned up approximately 16 barrels and will continue to vacuum up the spill.

Giant is not sure of the clean up criteria and expect some of the ethanol to evaporate. Giant informed the Oil Conservation Division (OCD) (Carl Chavez) of the release as well and Carl is looking into cleanup criteria.

The C-141 forms shows tank No. 5