

**GW- 40**

# **Questionnaire**

**DATE:**

**2011**

  
New Mexico Energy, Minerals and Natural Resources Department

**Susana Martinez**  
Governor

John H. Bemis  
Cabinet Secretary-Designate

Brett F. Woods, Ph.D.  
Deputy Cabinet Secretary

**SCANNED**

Jami Bailey  
Division Director  
Oil Conservation Division



May 12, 2011

**Oil & Gas Facilities Questionnaire for Determination of a  
WQCC Discharge Permit**

Only Water Quality Control Commission- regulated systems will be incorporated into the OCD's WQCC Permits, while OCD regulated systems will be handled under separate permit(s). A current discharge permit is valid until its normal expiration date or November 15, 2012, whichever is later. All facilities with processes subject to the Water Quality Act must have permits in place by November 16, 2012. H2S Contingency Plans; pits, ponds, above and/or below-grade tanks; waste treatment, storage and disposal; and landfarms and landfills may require separate permitting under the OCD Oil, Gas, and Geothermal regulations.

*Proper completion and timely submission of this questionnaire is requested for all facilities with discharge permit expiration dates before November 15, 2012. Please complete and submit a separate questionnaire for each facility before July 15, 2011.*

• **Name of the owner or operator of the facility**

Western Refining Southwest, Inc., formerly known as Giant Industries Arizona, Inc.

• **Point of contact**

Name Ron Copple  
Telephone (505) 632-4044  
Email ron.copple@wnr.com  
Mailing address 111 County Road 4990, Bloomfield, New Mexico 87413

• **Facility name** Ground Water Remediation System - Former Bloomfield Refinery

• **Facility location**

Unit Letter, Section, Township, Range NW/4 of S27 & SW/4 of S22, T29N, R12W  
Street address (if any) \_\_\_\_\_

- **Facility type**
- |   |   |  |
|---|---|--|
| <input type="checkbox"/> Refinery   | <input type="checkbox"/> Gas Plant      | <input type="checkbox"/> Compressor      |
| <input type="checkbox"/> Crude Oil Pump Station   | <input type="checkbox"/> Injection Well | <input type="checkbox"/> Service Company |
| <input type="checkbox"/> Geothermal   | <input type="checkbox"/> Abatement      |  |
| <input checked="" type="checkbox"/> Other (describe) <u>Ground Water Remediation System</u> |   |  |

• **Current and Past Operations** (please check all that apply)

- |   |   |                                     |
|---|---|-------------------------------------|
| <input type="checkbox"/> Impoundments             | <input checked="" type="checkbox"/> Treatment Plant         | <input type="checkbox"/> Waterflood |
| <input checked="" type="checkbox"/> Disposal Well | <input type="checkbox"/> Brine Well                         | <input type="checkbox"/> Wash Bay   |
| <input type="checkbox"/> Steam Cleaning           | <input checked="" type="checkbox"/> Groundwater Remediation |                                     |

• **Facility Status** ☒ Active ☐ Idle ☐ Closed

• **Does this facility currently have a discharge permit?** ☒ Yes ☐ No

If so, what is the permit number? GW-40

• **Are there any routine activities at the facility which intentionally result in materials other than potable water being released either onto the ground or directly into surface or ground water?**

(This includes process activities, equipment maintenance, or the cleanup of historic spills.)

☒ Yes ☐ No

If so, describe those activities including the materials involved, the frequency of discharge, and the estimated volume per discharge event.

The remediation system recovers ground water from various wells, treats the recovered water and discharges the effluent into an onsite infiltration gallery. The discharge is continuous except for system downtime for monitoring and maintenance. Approximately 1 to 3 million gallons is discharged per year.

• **What is the depth below surface to shallowest ground water in the area?** 29 feet

• **Are there any water supply, groundwater monitoring, or recovery wells at the facility?**

Water supply ☐ Monitoring ☒ Recovery ☒

If these wells are registered with the Office of the State Engineer (OSE), what are the OSE well numbers? See OSE registered wells on attached Point of Diversion WEB page

• **Are abatement actions ongoing?** Yes, Ground Water Remediation

• **Are there any active or inactive UIC wells present as part of the federal Underground Injection Control program associated with this facility?** ☐ Yes ☒ No

If so, what are the API numbers assigned to those wells?

• **Are there any sumps at the facility?** ☐ Yes ☒ No

Number of sumps with volume less than 500 gallons                     

Use and contents                     

Is secondary containment incorporated into the design? ☐ Yes ☐ No

Number of sumps with volume greater than 500 gallons                     

Use and contents                     

Is secondary containment incorporated into the design? ☐ Yes ☐ No

- Does the facility incorporate any underground lines other than electrical conduits, freshwater, natural gas for heating, or sanitary sewers? ☒ Yes ☐ No

If so, what do those buried lines contain?

Presently, recovered and re-injection water underground lines are in use. Recovered hydrocarbons were transported through underground lines as part of past remediation efforts.

**THIS FORM IS DUE TO THE OIL CONSERVATION DIVISION BY JULY 15, 2011.**

Questions? Please contact Glenn VonGonten at 505-476-3488 or Carl Chavez at 505-476-3490.

Thank you for your cooperation.

Jami Bailey  
Director



## New Mexico Office of the State Engineer

# Point of Diversion by Location

(with Owner Information)

WR File Nbr	Sub	basin	Use	Diversion	Owner	County	POD Number	Grant	Source	6416 4	Sec	Tws	Rng	X	Y	(NAD83 UTM in meters)
SJ 02131		COM			90.4 GIANT INDUSTRIES INC.	SJ	SJ 02131		Shallow	1	1	27	29N 12W	223651	4066408*	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)
						SJ	SJ 02131 DCL		Shallow	2	3	22	29N 12W	223762	4066908*	
						SJ	SJ 02131 EXPL 1		Shallow	1	1	27	29N 12W	223651	4066408*	
						SJ	SJ 02131 EXPL 2		Shallow	1	1	27	29N 12W	223651	4066408*	
						SJ	SJ 02131 S		Shallow	2	3	22	29N 12W	223762	4066908*	
						SJ	SJ 02131 S-2		Shallow	1	1	27	29N 12W	223651	4066408*	
						SJ	SJ 02131 S-3		Shallow	1	1	27	29N 12W	223651	4066408*	
						SJ	SJ 02131 S-4		Shallow	1	1	27	29N 12W	223651	4066408*	
						SJ	SJ 02131 S-5		Shallow	1	1	27	29N 12W	223651	4066408*	
						SJ	SJ 02131 S-6		Shallow	1	1	27	29N 12W	223651	4066408*	
						SJ	SJ 02131 S-7		Shallow	1	1	27	29N 12W	223651	4066408*	
						SJ	SJ 02131 S-8		Shallow	1	1	27	29N 12W	223651	4066408*	
						SJ	SJ 02131 S-9		Shallow	1	1	27	29N 12W	223651	4066408*	
						SJ	SJ 02131 T			1	1	27	29N 12W	223651	4066408*	

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

7/11/11 1:34 PM

Page 1 of 2

POINT OF DIVERSION BY LOCATION

Record Count: 14-

POD Search:

POD Number: SJ 02131

Sorted by: File Number