

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 | q | q | q | q | Sec | Tws | Rng | X | Y |
|-------------|-----|-------|-----|-----------|----------------------------|--------|-----------------|-------|---------|---|---|----|-----|-----|-----|--------|----------|---|
| SJ 02131 | | COM | | | 90.4 GIANT INDUSTRIES INC. | SJ | SJ 02131 | | Shallow | 1 | 1 | 27 | 29N | 12W | 12W | 223651 | 4066408* | |
| | | | | | | SJ | SJ 02131 DCL | | Shallow | 2 | 3 | 3 | 22 | 29N | 12W | 223762 | 4066908* | |
| | | | | | | SJ | SJ 02131 EXPL 1 | | Shallow | 1 | 1 | 27 | 29N | 12W | 12W | 223651 | 4066408* | |
| | | | | | | SJ | SJ 02131 EXPL 2 | | Shallow | 1 | 1 | 27 | 29N | 12W | 12W | 223651 | 4066408* | |
| | | | | | | SJ | SJ 02131 S | | Shallow | 2 | 3 | 3 | 22 | 29N | 12W | 223762 | 4066908* | |
| | | | | | | SJ | SJ 02131 S-2 | | Shallow | 1 | 1 | 27 | 29N | 12W | 12W | 223651 | 4066408* | |
| | | | | | | SJ | SJ 02131 S-3 | | Shallow | 1 | 1 | 27 | 29N | 12W | 12W | 223651 | 4066408* | |
| | | | | | | SJ | SJ 02131 S-4 | | Shallow | 1 | 1 | 27 | 29N | 12W | 12W | 223651 | 4066408* | |
| | | | | | | SJ | SJ 02131 S-5 | | Shallow | 1 | 1 | 27 | 29N | 12W | 12W | 223651 | 4066408* | |
| | | | | | | SJ | SJ 02131 S-6 | | Shallow | 1 | 1 | 27 | 29N | 12W | 12W | 223651 | 4066408* | |
| | | | | | | SJ | SJ 02131 S-7 | | Shallow | 1 | 1 | 27 | 29N | 12W | 12W | 223651 | 4066408* | |
| | | | | | | SJ | SJ 02131 S-8 | | Shallow | 1 | 1 | 27 | 29N | 12W | 12W | 223651 | 4066408* | |
| | | | | | | SJ | SJ 02131 S-9 | | Shallow | 1 | 1 | 27 | 29N | 12W | 12W | 223651 | 4066408* | |
| | | | | | | SJ | SJ 02131 T | | | 1 | 1 | 27 | 29N | 12W | 12W | 223651 | 4066408* | |

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

*UTM location was derived from PLSS - see Help

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Record Count: 14-

POD Search:

POD Number: SJ 02131

Sorted by: File Number