

**GW-312**

**QUESTIONNAIRE**

**2013**



## 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

**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**

**Chevron USA**

• **Point of contact**

Name: Jason Lerro  
Telephone: 575-396-4916 Ext 321  
Email: JLKF @Chevron.com  
Mailing address: HRC 60, Box 425  
Lovington, NM 88260

• **Facility name** **Buckeye CO2 Plant**

• **Facility location**

Unit Letter, Section, Township, Range:: **Section 36, Township 17, South Range 34 East**  
**NMPM Lea County, NM**

• **Facility type**

- |                                                 |                                               |                                         |
|-------------------------------------------------|-----------------------------------------------|-----------------------------------------|
| <input type="checkbox"/> Refinery               | <input checked="" type="checkbox"/> Gas Plant | <input type="checkbox"/> Compressor     |
| <input type="checkbox"/> Crude Oil Pump Station | <input type="checkbox"/> Injection Well       | <input type="checkbox"/> Service Compar |
| <input type="checkbox"/> Geothermal             | <input type="checkbox"/> Abatement            |                                         |
| <input type="checkbox"/> Other (describe) _____ |                                               |                                         |

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

- |                                        |                                     |                                     |
|----------------------------------------|-------------------------------------|-------------------------------------|
| <input type="checkbox"/> Impoundments  | <input type="checkbox"/> Treatment  | <input type="checkbox"/> Waterflood |
| <input type="checkbox"/> Disposal Well | <input type="checkbox"/> Brine Well | <input type="checkbox"/> Wash Bay   |

☐ Steam Cleaning

☐ Groundwater Remediation

• **Facility Status** ☒ Active

☐ Idle

☐ Closed

• **Does this facility currently have a discharge permit?** ☒ Yes

☐ No

If so, what is the permit number? GW312

• **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.

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• **What is the depth below surface to shallowest ground water in the area?** 115 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? No OSE numbers, the monitoring wells have been there since 2002/2003

• **Are abatement actions ongoing?** Yes, a benzene plume from an offsite source unrelated to the CO2 Plant operations is currently being monitored in the SE corner of the plant

• **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?

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

Number of sumps with volume less than 500 gallons Zero

Use and contents NA

Is secondary containment incorporated into the design?

☐ Yes

☐ No

Number of sumps with volume greater than 500 gallons ONE

Use and contents : Collection vessel

Open Drain System:

- Storm-water runoff
- Lubricating Oil
- Tri-ethylene glycol

Is secondary containment incorporated into the design? ☒ Yes ☐ No  
(Double walled metal fiberglass coated sump )

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

If so, what do those buried lines contain?

- Open Drain System:
  - Storm-water runoff
  - Lubricating Oil
  - Tri-ethylene glycol
- Closed Drain System:
  - Tri-ethylene glycol
  - Natural Gas liquids
  - Water
  - Fuel Gas
- Plant Process gases

**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