

GRCB 05

2905 Rodeo Park Drive East  
Building 1  
Santa Fe, New Mexico 87505-6303  
Telephone (505) 428-2500  
Fax (505) 428-2567  
www.nmemv.state.nm.us

**ENTERED**

**New Mexico  
Environment Department  
Hazardous Waste Bureau**

# Fax

**To:** Cindy Hurtado & Randy Schmaltz      **From:** Hope Monzeglio

---

**Fax:** 505-632-3911      **Pages:** 4 including fax cover

---

**Phone:** 505-632-4161      **Date:** 5/6/2005

---

**Re:** Approval w/ Conditions Barrier Collection      **CC:**  
system Design -Phase II

---

- Urgent**     **For Review**     **Please Comment**     **Please Reply**     **Please Recycle**
- 

Cindy and Randy

I am faxing the Approval with Conditions to the N. Boundary Barrier Collection System Design and Monitoring Plan Phase II that outlines our monitoring requirements. The hard copy will be sent out on Monday May 9, 2005. If you have any questions please give me a call at 505-428-2545.

Sincerely,



Hope Monzeglio

---



**BILL RICHARDSON**  
GOVERNOR

*State of New Mexico*  
**ENVIRONMENT DEPARTMENT**

*Hazardous Waste Bureau*  
2905 Rodeo Park Drive East, Building 1  
Santa Fe, New Mexico 87505-6303  
Telephone (505) 428-2500  
Fax (505) 428-2567  
www.nmenv.state.nm.us



**RON CURRY**  
SECRETARY

**DERRITH WATCHMAN-MOORE**  
DEPUTY SECRETARY

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

May 9, 2005

Randy Schmaltz  
Environmental Supervisor  
Giant Refining Company  
P.O. Box 159  
Bloomfield, New Mexico 87413

Ed Riege  
Environmental Superintendent  
Giant Refining Company  
Route 3, Box 7  
Gallup, New Mexico 87301

**Subject: APPROVAL WITH CONDITIONS**  
**NORTH BOUNDARY BARRIER COLLECTION SYSTEM DESIGN AND**  
**MONITORING PLAN PHASE II**  
**RCRA PERMIT NO. NMDD 089416416**  
**HWB-GRCB-04-005**

Dear Messrs. Schmaltz and Riege:

The New Mexico Environment Department (NMED) has completed the review of the *North Boundary Barrier Collection System Design and Monitoring Plan Phase II* (NBBCSD) dated April 7, 2005, submitted on behalf of Giant Refining Company, Bloomfield Refinery (GRCB). NMED hereby approves the NBBCSD with the conditions listed below:

1. Upon completion of observation and collection well installations, GRCB must collect depth to water (DTW) and depth to product (DTP) measurements from all observation and collection wells in accordance with the following schedule:
  - Month one - DTW and DTP measurements shall be collected two times a week.
  - Month two – DTW and DTP measurements shall be collected once a week.

Messrs. Schmaltz and Riege  
Giant Refining Company Bloomfield  
May 9, 2005  
Page 2

- Month three –DTW and DTP measurements shall be collected every other week (biweekly).
  - Month four and there after – DTW and DTP measurements shall be collected once a month unless otherwise specified by NMED.
2. GRCB must collect initial groundwater samples from all observation and collection wells that do not contain separate phase hydrocarbons (SPH) within 30 days, but no later than July 1, 2005, after the wells have been installed and developed. The samples must be analyzed for benzene, toluene, ethylbenzene, and xylenes ( BTEX) using EPA Method 8021B, RCRA metals, total dissolved solids (TDS), and general chemistry parameters using EPA Method 300. During sampling, GRCB must collect the following field measurements: conductivity, temperature, dissolved oxygen, and pH. If pH and TDS are collected using field equipment, they do not need to be analyzed at the laboratory. The collected data will establish a baseline identifying what contaminant concentrations are present and help determine the effectiveness of the slurry wall.

GRCB must complete a second round of sampling following the same conditions as stated above in conjunction with the next groundwater monitoring event.

3. In accordance with the schedule stated in comment one, GRCB must also collect DTW and DTP measurements from the following monitoring and recovery wells: MW-11, MW-12, MW-20, MW-21, MW-24, MW-39 MW-45, MW-46, MW-47, RW-1, RW-9, RW-22, RW-23, and RW-28. Measurements shall only be collected from inactive recovery wells.
4. GRCB must submit draft results of all collected data to NMED within 30 days of acquisition. The results of baseline groundwater monitoring and sampling must be included in Giant's subsequent groundwater monitoring report.

Messrs. Schmaltz and Riege  
Giant Refining Company Bloomfield  
May 9, 2005  
Page 3

Should you have any questions regarding this letter, please call me at 505-428-2545.

Sincerely,



Hope Monzeglio  
Project Leader  
Hazardous Waste Bureau

HM:hcm

cc: J. Bearzi, NMED HWB  
J. Kieling, NMED HWB  
D. Cobrain, NMED HWB  
W. Price, OCD  
D. Foust, OCD Aztec Office  
B. Wilkinson, EPA

Reading File and GRCB 2005 File