



BILL RICHARDSON
GOVERNOR

State of New Mexico **ENVIRONMENT DEPARTMENT**

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GRCB 05



RON CURRY
SECRETARY

DERRITH WATCHMAN-MOORE
DEPUTY SECRETARY

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

July 26, 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: REQUEST FOR ADDITIONAL INFORMATION AND CHANGES TO
THE NORTH BOUNDARY BARRIER COLLECTION SYSTEM DESIGN
AND MONITORING PLAN PHASE II
GIANT REFINING COMPANY, BLOOMFIELD REFINERY
RCRA PERMIT NO. NMDD 089416416
HWB-GRCB-04-005**

Dear Messrs. Schmaltz and Riege:

The New Mexico Environment Department (NMED) is in receipt of the June 17, 2005 letter submitted on behalf of Giant Refining Company, Bloomfield Refinery (GRCB) regarding well data, general chemistry parameters and analytical results. The information submitted was required as a condition for approval of the North Boundary Barrier Collection System Design and Monitoring Plan Phase II. NMED is requesting additional information:

1. GRCB must provide an updated map identifying the current locations and names assigned to all observation and recovery wells. GRCB must also provide the well construction diagrams for all observation and recovery wells.
2. GRCB must provide a copy of the analytical laboratory reports that are the source of the data provided in the summary tables included in the June 17, 2005 letter.

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3. NMED questions the dissolved oxygen (DO) data presented in the tables that indicate DO levels greater than 9.8 milligrams per liter (mg/L). DO in water under saturated conditions at atmospheric pressure at sea level will not exceed a concentration of 9.8 milligrams per liter (mg/L). Therefore, the results provided in the table indicate the instrument was not properly calibrated, as the results cannot be greater than 9.8 mg/L at an elevation higher than sea level. GRCB must describe how the dissolved oxygen (DO) measurements were collected and include the type of instrument used and describe the instrument calibration procedures. GRCB must remeasure DO in the wells and submit a revised table presenting the new DO data.
4. NMED questions the electrical conductivity values presented in the tables because the units indicate mg/L and typically the unit of measure for electrical conductivity is either milliSiemens per centimeter (ms/cm) or microSiemens per centimeter (μ S/cm). GRCB must explain this discrepancy. GRCB must revise the tables to include the correct values, if different than those submitted, and include the correct units.
5. GRCB must identify the instruments used to collect the field data presented in the tables included with the June 17 letter. GRCB must also describe the collection and calibration procedures and methods applied when collecting this data.

The required information must be submitted to NMED on or before September 20, 2005. 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: D. Cobrain, NMED HWB
W. Price, OCD
D. Foust, OCD Aztec Office
B. Wilkinson, EPA

Reading File and GRCB 2005 File