

GRCB 0/0

ENTERED

GIANT
REFINING COMPANY

Hope Monzeglio
New Mexico Environmental Department
Hazardous Waste Bureau
2905 Rodeo Park Drive East
Bldg 1
Santa Fe, NM 87505

Certified Mail: 7004 2510 0005 1641 4859

August 2, 2006

**Re: Approval with Modifications
2005 Ground Water Remediation and Monitoring
Annual Report April 2006
Giant Refining Company, Bloomfield Refinery
EPA ID #NMD089416416**



Dear Ms. Monzeglio,

Giant Refining Company Bloomfield (GRCB) received the June 6, 2006 letter from the New Mexico Environmental Department (NMED) requesting additional information regarding the 2005 Groundwater Remediation and Monitoring Annual Report (Volumes I & II), dated April 2006. The following correspondence will address NMED's requests.

Condition #1 requests a corrected formula used to determine "Corrected Groundwater Calculation". A replacement page with the accurate formula is provided with this letter.

Condition #2 reveals a typographical error identifying MW #48 as DW #48. GRCB did not change the name of the well. An updated figure with MW #48 properly labeled is included in this letter.

Condition #3 calls for a legend defining DW, BV, TP, and MW be added to Figures 11, and 12. The appropriate changes have been made and are included in this letter.

Condition #4 indicates the absence of units of measurement for the scales provided. Replacement figures with the necessary corrections have been presented with this letter.

If you need additional information, please contact me at (505) 632-4161.

Sincerely,

Cindy Hurtado
Environmental Coordinator
Giant Refining - Bloomfield

Cc: Ed Riege - Environmental Superintendent - Giant Refining
Randy Schmaltz - Environmental Manager - Giant Refining
Wayne Price - New Mexico Oil Conservation Division - Santa Fe
Robert Wilkinson - USEPA - Region 6
Brandon Powell - New Mexico Oil Conservation Division - Aztec

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Groundwater Elevation Information

All Monitoring Wells, Recovery Wells, Observation Wells, and Collections Wells were resurveyed in February 2006. All Measuring Point Elevations were updated with the 2006 survey for this report.

The following equations were used to calculate "Corrected Groundwater Elevation":

$$(1) \text{ Separate Phase Hydrocarbon not detected} = \text{MPE} - \text{DTW}$$

$$(2) \text{ Separate Phase Hydrocarbon detected} = \text{MPE} - [\text{DTW} + 0.8 (\text{DTW} - \text{DTP})]$$

$$\text{Separate Phase Hydrocarbon Thickness} = \text{DTW} - \text{DTP}$$

MPE = Measuring Point Elevation

DTW = Depth to Water

DTP = Depth to Product

