

Former Giant Bloomfield Refinery Description (6/22/2020):

A new Discharge Permit (GW-40) application for “Abatement of Groundwater and Vadose Zone Contamination” for the Western Refining SW, Inc., “Former Giant Bloomfield Refinery” (GBR) now owned by Marathon Petroleum Company, LP, was recently submitted in May to the New Mexico Oil Conservation Division.

The former refinery is located in the NW/4 of Section 27, and SW/4 of Section 22, Township 29 North, Range 12 West, NMPM, San Juan County, New Mexico. The facility may be found driving toward the northeast corner of United States Highway 64 and County Road 3500, approximately five miles west of Bloomfield.

Groundwater monitoring and remediation activities have been ongoing since 1988. Limited areas of impacted groundwater remain at the Site and will be addressed under an updated Stage 2 Abatement Plan required under the permit. The Lee Acres Landfill Superfund Site is located hydrogeologically upgradient from the facility. The permittee may implement a study in an attempt to determine natural background groundwater quality conditions at the facility while it continues to monitor and evaluate the baseline upgradient groundwater quality conditions. Groundwater may be collected in recovery wells at the Site, then discharged after treatment. Groundwater most likely to be affected by a spill, leak or accidental discharge is at a depth of approximately 40 ft. below ground level with a TDS concentration of approximately 1,500 ppm. The new permit will address monitoring, remediation, contaminant hydrogeology, closure, risk and management of potential spills, leaks, and other accidental discharges to the surface during groundwater abatement.