



State of New Mexico
ENVIRONMENT DEPARTMENT

Ground Water Quality Bureau
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GARY E. JOHNSON
GOVERNOR

*Stephanie -
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Re: A concern
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is what
Pr
10/21/98*



PETER MAGGIORE
Secretary

October 19, 1998

Mr. John R. Poland
Chief, Environmental Flight
49 CES/CEV
550 Tabosa Avenue
Holloman AFB, New Mexico 88330-8458



RE: No Further Action Request for Installation Restoration Program (IRP) Sites SS-2/5, SD-47, and SS 60, at HAFB, New Mexico

Dear Mr. Poland:

The New Mexico Environment Department (NMED), Ground Water Quality Bureau (GWQB) has reviewed the Characterization Summary and No Further Action (NFA) Documentation for IRP Sites SS-2/5, SD-47, and SS-60, dated July 20, 1998. Pursuant to 20 NMAC 6.2 Water Quality Control Commission Section 1203.A.7 this document is hereby approved as a Corrective Action Report.

Site SS-2/5 Petroleum Oil Lubricant Yard (POL), is located in the northeastern portion of the POL storage yard where AVGAS and 30,000 gallons of JP-4 were spilled. It was stated in the Summary that 95% of the fuel was recovered at the time of the spill, and a soil vapor extraction (SVE) system was installed in 1995, which removed total petroleum hydrocarbons (TPH) to below the base-specific clean-up level of 1000 mg/kg in the soil. Also it was stated that there is no light non-aqueous phase liquid (LNAPL) on the water table, and long-term ground water monitoring has showed no increase in ground water contamination since the operation of the SVE system began.

Site SD-47 POL Washrack Area is located on the southeast side of HAFB where JP-4 flowed from the washrack area into an unlined ditch contaminating soil and ground water. Removal of approximately 8,000 cubic yards of contaminated soil took place in 1991, however contaminated soil remained in place under a nearby building. In 1995, a bioventing system was installed to remediate the soil under the building to below 1,000 ppm. The Characterization Summary stated that current soil TPH levels are below 1,000 ppm and that there is no LNAPL on the ground water.

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Site SS-60 Building 828 is located in the western area of HAFB where diesel and JP-4 leaked from underground storage tanks, and unleaded gasoline leaked from an aboveground storage tank. A dual-phase extraction system was installed in 1995, to recover the 1.6 feet of LNAPL floating on the ground water and to remediate soil contamination to below 1,000 ppm TPH. The summary stated that by September 1996, LNAPL had been removed, and that "measurements taken in various groundwater monitoring wells across the site show no evidence of LNAPL on the groundwater table."

Considering the actions taken to mitigate and remediate soil and groundwater contamination at these sites, and that natural background ground water concentration is greater than 10,000 ppm TDS, no further action is required at this time. However, if additional groundwater contamination occurs as a result of the discharges, or if additional information becomes available indicating that these corrective actions are inadequate, further efforts may be required. If you have any questions, please call Julie Jacobs of my staff at 827-2776. Thank you for your cooperation in this matter.

Sincerely,



Marcy Leavitt
Chief, Ground Water Quality Bureau

cc: Drew Lessard, HAFB
Dennis McQuillan, GWQB
Julie A. Jacobs, GWQB
Benito Garcia, HRMB
Ken Smith, NMED District Three

gwqb/jj