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

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November 12, 2004

Mr. Mark Holmes  
US Air Force  
377 ABW/EMR  
2050 Wyoming Blvd. SE  
Kirtland AFB  
Albuquerque, New Mexico 87117-5270

**RE: Abatement Plan Required, Vadose Zone Petroleum Hydrocarbon Contamination, East Side of the Bulk Fuels Facility (ST-106) (Site), Kirtland Air Force Base, Albuquerque, New Mexico.**

Dear Mr. Holmes:

The New Mexico Environment Department (NMED) Ground Water Quality Bureau has reviewed the report dated August 13, 2004 documenting the results of an additional investigation required as part of Bulk Fuels Facility's approved Stage 2 Abatement Plan (AP). The report identifies the discovery of petroleum hydrocarbon contamination in the vadose zone separate and east of the off-loading rack contamination now under a Stage 2 AP, Soil Vapor Extraction System (SVES) cleanup.

The newly identified soil contamination is characterized primarily as diesel-range hydrocarbon found in SVMV-06 approximately 350 feet east of the main Site contamination and may be associated with past unauthorized discharges related to one or more of the following:

1. An abandoned fuel truck wash drain field;
2. A pump house connected to a dry well drain system for the isolation of pump-house spills or releases;

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3. Two above ground storage tanks used to store bottom-water, which may have overflowed; or
4. Other possible discharges related to pipelines and valves in that area connecting fueling tanks to pump house 1033 and the fuel loading rack.

Past unauthorized discharges of water contaminants at this new area fall under the authority of the New Mexico Water Quality Control Commission (WQCC) Regulations 20.6.2.4104 and 4106 NMAC (copy enclosed). Kirtland Air Force Base (KAFB) is hereby notified that it is a "responsible person" as defined in WQCC Section 20.6.2.7 NN NMAC. KAFB must submit a complete Stage 1 AP proposal defining the extent of contamination, for NMED review and approval, within **sixty (60) days** of receipt of this letter pursuant to WQCC Regulation 20.6.2.1203.A.9, 4104.A and 4106.A NMAC.

WQCC Regulation 20.6.2.4106.C NMAC describes the information that should be required for a Stage 1 Abatement Plan proposal depending on the media (ground water and/or vadose zone) affected. The overall objective of the Stage 1 AP is to identify the extent of any contamination emanating from the site caused by past releases. NMED will review the sufficiency of the proposed Stage 1 AP.

KAFB's continued cooperation in this matter is greatly appreciated. You are strongly encouraged to confer with Baird Swanson, Project Manager at (505) 222-9520 or Bart Faris at (505) 222-9521 during preparation of the Stage 1 AP proposal.

Sincerely,



William C. Olson, Chief  
Ground Water Quality Bureau

WO/BHS/bhs

Encl: WQCC Regulations

Cc: Baird Swanson, ROS, GWQB, NMED Dist. 1  
ROS Reading file