



BILL RICHARDSON
Governor
DIANE DENISH
Lieutenant Governor

NEW MEXICO
ENVIRONMENT DEPARTMENT

Ground Water Quality Bureau

1190 St. Francis Drive
P.O. Box 26110
Santa Fe, New Mexico 87502
Phone (505) 827-2900 Fax (505) 827-2965



RON CURRY
Secretary
JON GOLDSTEIN
Deputy Secretary

August 21, 2008

Mr. Ludie W. Bitner, Jr.
US Air Force
377 ABW/EMR
2050 Wyoming Blvd. SE
Kirtland AFB
Albuquerque, New Mexico 87117-5270

RE: NMED Approval of Additional Ground Water Investigations and Interim Soil Vapor Extraction (SVE) Pilot Project for the Bulk Fuels Facility (ST-106), Kirtland Air Force Base, Bernalillo County, Albuquerque, New Mexico

Dear Mr. Bitner:

The purpose of this letter is for the New Mexico Environment Department Ground Water Quality Bureau (NMED) to approve additional ground water investigations and an interim SVE pilot project related to the Stage 2 Abatement Plan for the above-referenced facility.

Additional Ground Water Investigation

The investigation proposal is contained in a work plan submitted by Kirtland Air Force Base (KAFB) in its letter titled Stage 2 Abatement Plan Modification Addendum, July 2008, Bulk Fuel Facility, Kirtland Air Force Base, New Mexico. The work plan elements include the installation of five "must drill" wells with the primary goal of defining the lateral extent of Light Non-Aqueous Phase Liquid (LNAPL). The installation of these wells is intended to define the extent of floating product on ground water to guide ongoing and future remedial action at the site.

Interim SVE System Pilot Project

Additionally, in an e-mail submitted August 8, 2008, KAFB seeks NMED approval for a work plan for the installation of an RSI 300 gallon per day interim SVE system unit at Well KAFB-1065. The purposes of the interim pilot project are to:

KAFB3585



Mr. Bitner
August 21, 2008
Page 2

- Rapidly act to remediate ground water contamination on an interim basis while additional investigations continue.
- Assess the viability of the Internal Combustion Engine SVE as an approach to remove LANPL from atop ground water.
- Perform vacuum testing to assess the SVE system's effective radius of influence for the purpose of designing a full-scale remediation system design.

The above-referenced work plans are approved with the following conditions:

- 1.) At least 48 hours advance notice of all field work shall be provided to NMED so that NMED staff may be present to observe drilling and sampling events in the field during this set of well installations.
- 2.) The work plans shall be conducted in accordance with the approved plans. Approval of this work plan is subject to the general requirements, including NMED rights for entry, inspection and sampling at the site and NMED requirements for well-plugging, abandonment or destruction.
- 3.) The pilot project is considered a minor modification to the existing Stage 2 Abatement Plan. Further scaled-up Stage 2 abatement plan(s) for ground water impacts will be considered a significant modification, requiring public notice be given pursuant to WQCCR § 20.6.2.4108.B.

Please be advised that approval of these work plans does not relieve KAFB of its responsibility if the work plan fails to adequately address LNAPL recovery. In addition, NMED approval does not relieve KAFB of its responsibility to obtain third-party access and to comply with any other applicable federal, state and/or local laws and regulations, including zoning requirements and nuisance ordinances.

NMED thanks you for your on-going cooperation in this matter. If you have any questions about this letter, please contact Baird Swanson, the NMED project manager for this site at (505) 222-9520.

Sincerely,



William C. Olson, Chief
NMED Ground Water Quality Bureau

Mr. Bitner
August 21, 2008
Page 3

WO/BHS/bhs

Cc: Barbara Gastian, ABCWUA, P.O. Box 1293, Albuquerque, NM 87103
Alex Mora, AEHD, P.O. Box 1293, Albuquerque, NM 87103
Billy Gallegos, AEHD, P. O. Box 1293, Albuquerque, NM 87103
Mary Lou Leonard, AEHD, P. O. Box 1293, Albuquerque, NM 87103
Baird Swanson, NMED District 1
Bruce Thompson, Water Quality Protection Advisory Board,
1018 Idlewilde SE, Albuquerque, NM 87108
ROS Read File