DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 377TH AIR BASE WING (AFMC)

Colonel Tom D. Miller
377 ABW/CC
2000 Wyoming Blvd SE
Kirtland AFB NM 87117-5600

OCT 06 2014

Mr. Tom Blaine, Manager
Environmental Health Division Director
Environmental Health Division
New Mexico Environment Department (NMED)
1190 St. Francis Drive, Room North 4050
Santa Fe, New Mexico 87502

Dear Mr. Blaine

In your letter dated 15 September 2014, the New Mexico Environment Department (NMED) directed submittal of an Interim Light Non-Aqueous Phased Liquid (LNAPL) Remediation Work Plan by 10 October 2014. USAF is requesting an extension of that date, until 1 March 2015, to work out technical details with the NMED regarding the use of air sparging (AS) to treat the LNAPL.

In technical working groups, NMED and USAF personnel have reviewed data that highlight different mechanisms affecting the LNAPL zone. To further understand the mechanisms and chemical processes occurring in the LNAPL zone, USAF would like to continue on the progress accomplished by the complex site investigation LNAPL Team. Recently, a technical working group met to discuss the current understanding of site conditions, the need to fill data gaps, and any implications that site-specific hydrogeology will have on LNAPL distribution and its impact on successful AS implementation. The group consensus was analytical data from the soil vapor extraction (SVE) expansion cores are crucial for selecting the location for the AS pilot test, and to select and design an appropriate system based on site-specific conditions. The SVE cores will be collected in late October into December 2014. The analyses of those cores will take approximately one month to complete. The requested time extension will allow the technical working group to evaluate the results from the core samples and develop the most appropriate path forward for the interim measure work plan. The extension also will allow the LNAPL working group to evaluate the potential use of borehole geophysics, tracers and dissolved-phase trends as tools to measure the effectiveness of air sparging to reduce the amount of LNAPL in groundwater. The working group has scheduled future technical sessions to ensure continue progress on remediation in the LNAPL zone.

Please contact Mr. L. Wayne Bitner at (505) 853-3484 or at ludie.bitner@us.af.mil, Mr. Scott Clark at (505) 846-6362 or at scott.clark@us.af.mil, and/or Dr. Adria Bodour at (210) 395-8426 or at adria.bodour.1@us.af.mil if you have questions.

Sincerely,

TOM D. MILLER, Colonel, USAF
Commander

cc:
NMED-HWB (Kieling, Cobrain, McDonald, Brandwein)
NMED (McQuillan, Longmire)
NMED-PSTB (Reuter)
NMED-GWQB (Schoeppner)
NMED-OGC (Kendall)
EPA Region 6 (King)
AFCEC-CZRX (Oyelowo, Bodour)
Public Info Repository, AR/IR, and File