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RYAN FLYNN  
Cabinet Secretary  
BUTCH TONGATE  
Deputy Secretary

**CERTIFIED MAIL - RETURN RECEIPT REQUESTED**

March 26, 2015

Colonel Tom D. Miller  
Base Commander  
377 ABW/CC  
2000 Wyoming Blvd. SE  
Kirtland AFB, NM 87117-5606

John Pike  
Director, Environmental Management Services  
377 MSG  
2050 Wyoming Blvd. SE, Suite 116  
Kirtland AFB, NM 87117-5270

**RE: GROUNDWATER EXTRACTION PILOT IMPLEMENTATION AND  
ADDITIONAL PLUME CHARACTERIZATION LETTER WORK PLAN,  
ADDENDUM #3,  
BULK FUELS FACILITY SPILL  
SOLID WASTE MANAGEMENT UNITS ST-106 AND SS-111  
KIRTLAND AIR FORCE BASE  
EPA ID# NM9570024423, HWB-KAFB-15-MISC**

Dear Messrs. Colonel Miller and Pike:

The New Mexico Environment Department (NMED) is in receipt of the Kirtland Air Force Base (the Permittee) *Groundwater Extraction Pilot Implementation and Additional Plume Characterization Letter Work Plan, Addendum #3*, submitted on March 19, 2015. The Work Plan Addendum #3 proposes to drill:

- EDB dissolved phase extraction well KAFB-106228; and
- Deep groundwater monitoring wells KAFB-106215, KAFB-106218, KAFB-106221, KAFB-106224, and KAFB-106227.

The wells will be installed using an air rotary casing hammer drill rig. The Work Plan Addendum #3 includes detailed specifications for well construction and development. The Work Plan Addendum #3 also includes simulations of hydrogeologic responses to constant rate pumping using Visual Modflow™ and analytic element models. Results from the two models were in close agreement on the simulated water-level drawdowns in extraction well KAFB-106228 and in nearby monitoring wells.

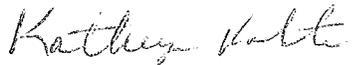
The Permittee's Work Plan Addendum #3 is hereby approved with the following condition:

1. The Permittee may modify the well-screen slot sizes and filter pack grain sizes depending on the geologic materials encountered during drilling. Upon completion of drilling and construction, the Permittee shall submit to NMED as-built well diagrams, and an explanation of how the well-screen slot sizes and filter pack grain sizes were selected.

NMED technical staff will assist you and your contractor in any way possible to achieve this interim measure.

If you have any questions, please contact me at 505-827-2855.

Sincerely,



Kathryn Roberts  
Director  
Resource Protection Division

KR/DM

cc: Col. T. Haught, KAFB  
D. Wilson, KAFB  
B. Gallegos, AEHD  
F. Shean, ABCWUA  
L. King, EPA-Region 6 (6PD-N)

File: KAFB 2014 Bulk Fuels Facility Spill and Reading