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RYAN FLYNN
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Deputy Secretary

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

June 30, 2016

Colonel Eric H. Froehlich
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: WORK PLAN FOR SOIL VAPOR MONITORING AND DRINKING WATER
MONITORING
SOLID WASTE MANAGEMENT UNITS ST-106 AND SS-111
KIRTLAND AIR FORCE BASE
EPA ID#NM9570024423, HWB-KAFB-13-MISC**

Dear Colonel Froehlich and Mr. Pike:

The New Mexico Environment Department (NMED) is in receipt of the Kirtland Air Force Base (KAFB) (the Permittee) *Work Plan for Soil Vapor Monitoring and Drinking Water Monitoring* (Work Plan), dated April 25, 2016. The Work Plan addresses activities to be performed at the Bulk Fuels Facility site, including:

- Performance of sampling of the soil vapor monitoring network on a quarterly basis;
- Performance of sampling of drinking water production wells on a monthly basis;
- Annual maintenance of the soil vapor monitoring network;
- Abandonment and installation of soil vapor monitoring locations; and
- Quarterly reporting of soil vapor and drinking water production well sample results and analysis.

Future revisions and updates of this Work Plan are anticipated to provide the required information on soil vapor monitoring well design and installation; abandonment of soil vapor monitoring locations; and any revisions to the equipment decontamination and IDW



management sections associated with soil monitoring location installation. The Work Plan tasks, procedures, and quality control are hereby approved with the following conditions:

1. The Horiba instrument(s) shall be calibrated at the start, middle, and end of the day as specified and approved in the Pilot SVE Shutdown Test Work Plan for Soil Vapor Sampling and Field Measurements, dated December 23, 2015.
2. Section 3.6 of the Work Plan and Section 3.3.1 in Appendix C of the Work Plan address equipment decontamination. Both sections reference Section 3.2.1.2 of the Work Plan which is specifically written for soil vapor sampling equipment; there is no description of decontamination procedures to be used for equipment utilized during sampling of drinking water supply wells. The Permittee shall revise Section 3.6 of the Work Plan and Section 3.3.1 of Appendix C to include decontamination procedures to be used for instrumentation and sampling equipment used in both soil vapor and drinking water supply well monitoring and sampling (e.g., YSI multi-probe system). These revised sections must be submitted to the NMED for review and approval a minimum of two weeks prior to the start of work.

3. Section 3.11, Investigation-Derived Waste, states that:

“In addition, any excess drinking water will be disposed of via KAFB’s waste water treatment system, or will be disposed of to the ground.”

The Permittee may discharge water to the KAFB waste water treatment system as long as the excess drinking water meets the KAFB waste water treatment system requirements for accepting the IDW water. Discharge of IDW water to the ground surface must follow the NMED Ground Water Quality Bureau *Kirtland AFB Development and Sampling Purge Water Decision Tree for Ground Water Restoration Activities* dated June 1, 2015 (attached).

The NMED understands that the Air Force intends for this Work Plan to be a single source for details related to work conducted under the soil vapor monitoring and drinking water supply well monitoring. As such, this Work Plan shall be updated, as necessary, to reflect changes resulting from modifications to scope and detail of identified tasks. Future revisions to the Work Plan are subject to NMED review and approval.

The Permittee shall submit revisions of sections 3.6 and 3.11 to address the conditions identified in this approval. Additionally, as stated above, the Permittee shall submit revisions to Section 3.6 and 3.3.1 of Appendix C for review and approval a minimum of two weeks prior to the start of work.

Col. Froehlich and Mr. Pike
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Should you have any questions regarding this letter please contact Ms. Diane Agnew at (505) 222-9555.

Sincerely,



Kathryn Roberts
Director
Resource Protection Division

KR/DM

Attachment:

Kirtland AFB Development and Sampling Purge Water Decision Tree for Ground Water Restoration Activities dated June 1, 2015

cc: Col. T. Haught, KAFB
K. Lynnes, KAFB
A. Bodour, KAFB-AFCEC
T. Simpler, USACE
M.L. Leonard, AEHD
F. Shean, ABCWUA
L. King, EPA-Region 6 (6PD-N)
K. Kieling, NMED-HWB
D. McQuillan, NMED
D. Agnew, NMED-HWB

File: KAFB 2016 Bulk Fuels Facility Spill

