

 ENTERED



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Cabinet Secretary

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Deputy Secretary

April 14, 2017

Colonel Eric H. Froehlich  
377 ABW/CC  
2000 Wyoming Blvd SE  
Kirtland AFB, NM 87117-5000

**RE: Conditional Approval of Corrective Action Report, Kirtland Air Force Base Bulk Fuels Facility, Water/Condensate Release, Kirtland Air Force Base, New Mexico**

Dear Col. Froehlich:

The New Mexico Environment Department (NMED) received a Revised Corrective Action Report (CAR) dated March 14, 2017 for the site referenced above. The Bulk Fuels Facility (BFF) project site is an identified Solid Waste Management Unit (SWMU) with the NMED Hazardous Waste Bureau. Kirtland Air Force Base (KAFB) is currently conducting interim corrective action activities at the BFF project site under a Resource Conservation and Recovery Act (RCRA) permit (EPA ID No. NM9570024423). The CAR addresses the excavation of soil impacted by the release of approximately 30 gallons of water/condensate from a soil vapor extraction (SVE) system during dismantlement operations. The CAR was submitted pursuant to Section 1203.A of the New Mexico Ground and Surface Water Protection Regulations (20.6.2 NMAC).

Corrective action consisted of the excavation of impacted soil. Approximately one cubic yard of soil was excavated from an area of approximately 150 square feet. Three confirmatory soil samples were collected following excavation and analyzed for volatile organic compounds (VOCs) by EPA Method 8260. No VOCs were detected in the confirmation soil samples. Additionally, a sample of the water/condensate was collected and analyzed for semi-volatile organic compounds (SVOCs) by EPA Method 8270C, gasoline range organic compounds (GRO) by EPA Method 8015D, and diesel range organic compounds (DRO)/motor range oil organic compounds (MRO) by EPA Method 8015D/M. The water/condensate sample contained the following detected compounds:

*VOCs:*

- 2-Butanone: 900 micrograms per liter ( $\mu\text{g/L}$ );
- Acetone: 3,500  $\mu\text{g/L}$ ;
- Benzene: 54  $\mu\text{g/L}$ ;
- Toluene: 280  $\mu\text{g/L}$ ; and
- Xylenes: 270  $\mu\text{g/L}$ .

*Petroleum Hydrocarbon Compounds:*

- GRO: 1,600  $\mu\text{g/L}$ ;

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- DRO: 34,000 µg/L; and
- MRO: 52 µg/L.

*SVOCs:*

- Benzyl Alcohol: 270 µg/L and
- Bis(2-ethylhexyl)phthalate: 52 µg/L.

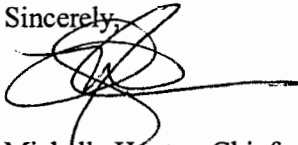
Confirmatory soil samples were not analyzed for SVOCs, GRO, or DRO/MRO. The water/condensate sample indicates the presence of SVOCs in the water/condensate released to the ground but the soil samples cannot verify the absence of SVOCs in the ground. Groundwater is at a depth of approximately 480 feet below ground surface.

This CAR is hereby conditionally approved pursuant to Section 20.6.2.1203.A NMAC. Confirmatory soil samples from the excavated area must be analyzed for SVOCs to verify removal of water/condensate released and reported to NMED within 30 days of the date of this letter.

Please be advised that this CAR approval does not relieve the U.S. Air Force/KAFB of its responsibility if the CAR failed to adequately assess and remediate the contamination at this site. NMED approval does not relieve the U.S. Air Force/KAFB of its responsibility for compliance with any other federal, state, or local laws and regulations, including zoning requirements and nuisance ordinances. If additional information becomes available indicating that this corrective action was inadequate, further efforts may be required in the future.

If you have questions concerning this correspondence, please contact Diane Agnew, Project Manager, at (505) 222-9555 or Justin Ball, Team Leader, at (505) 222-9522. Thank you for your cooperation in this matter.

Sincerely,



Michelle Hunter, Chief  
Ground Water Quality Bureau

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