

BFF

ENTERED



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BUTCH TONGATE
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Deputy Secretary

March 17, 2017

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

RE: Corrective Action Report Approval, Kirtland Air Force Base Bulk Fuels Facility, Extraction Well KAFB-106239 Development Water Release, Kirtland Air Force Base, New Mexico

Dear Col. Froehlich:

The New Mexico Environment Department (NMED) received a Corrective Action Report (CAR) dated February 27, 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 following the release of approximately 150 gallons of water from an on-site storage tank containing well-development water that originated from extraction well KAFB-106239. The well development water contained dissolved constituents associated with the jet fuel leak at the BFF site. 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 excavation of the impacted soil, collection of pre- and post-excavation soil samples for laboratory analysis, and transportation of the soil to the KAFB landfill for disposal. Approximately two cubic yards of soil were excavated in response to the release. Six confirmatory soil samples were collected following excavation and the samples were analyzed for benzene, ethylbenzene, toluene, and total xylenes (BTEX) by EPA Method 8010B, ethylene dibromide (EDB) by EPA Method 8011, and total metals by EPA Method 6010 as well as mercury by EPA Method 7471A. No benzene, ethylbenzene, or total xylenes were detected in the confirmation soil samples. Toluene was detected in a single confirmation soil sample (SP239-006); the detected concentration was greater than the laboratory detection limit but less than the limit of quantification (J-qualified) and below the NMED residential soil screening level (SSL). Arsenic, barium, cadmium, chromium, and lead were detected in the six confirmation soil samples. The barium, cadmium, chromium, and lead detections were all J-qualified and were

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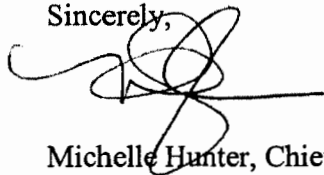


below their respective NMED SSLs. Arsenic was detected in two samples (SP239-004 and SP239-006 [field duplicate]) at concentrations greater than the NMED residential SSL of 4.25 milligrams per kilogram (mg/kg); the respective concentrations are 4.78 and 4.31 mg/kg which are below the background concentration of 5.6 mg/kg for arsenic. Groundwater is at a depth of approximately 480 feet below ground surface.

This CAR is hereby approved pursuant to Section 1203.A of the New Mexico Ground and Surface Water Protection Regulations (20.6.2 NMAC) and no further action is required. 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, State Cleanup Program 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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