



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

DEC 16 2013

Mr. John Kieling, Chief  
Hazardous Waste Bureau (HWB)  
New Mexico Environment Department (NMED)  
2905 Rodeo Park Drive East, Building 1  
Santa Fe, New Mexico 87505-6303

Dear Mr. Kieling,

This letter is in reference to the NMED letter (dated November 22, 2013) *Soil-Vapor Extraction System Expansion Work Plan Part 1: Candidate Well Identification and Pilot Testing, Bulk Fuels Facility Spill* for Solid Waste Management Units ST-106 and SS-111.

I am requesting a revision of the December 31, 2013 date listed in the referenced letter for the delivery of a Pilot Test Report. The schedule for the Pilot Test includes the following overall sequence of activities:

Task Name	Start	Finish
<b>SVE Expansion Pilot Testing</b>	10/4/13	3/31/14
• Pilot Testing Long Duration Tests	10/30/13	11/8/13
• Soil Vapor Sampling of 35 Wells	10/24/13	11/29/13
• Vapor Sample Analysis and Validation	11/30/13	12/20/13
• Prepare Draft SVE Pilot Test Report	12/20/13	1/11/14
• USACE and KAFB Review Draft Report	1/12/14	1/19/14
• Prepare Final SVE Pilot Study Test Report and Commander Signature	1/19/14	1/30/14
• Submit Final SVE Pilot Study Test Report to NMED for Review and Approval	1/30/14	1/31/14

Consistent with this schedule, I am requesting a new due date of January 31, 2014 for submitting the Pilot Test Report. As shown in the table above, this schedule will allow adequate time for receipt, validation, and evaluation of the soil vapor data collected at 35 soil vapor monitoring wells as outlined in the approved work plan. This vapor data is also needed to complete the evaluation for an expansion to the current soil-vapor extraction (SVE) system in order to increase hydrocarbon removal in the unsaturated zone.

Your assistance in granting this request will be appreciated. If you have any questions or concerns about this request, do not hesitate to contact Mr. L. Wayne Bitner at (505) 853-3484 ([Ludie.bitner@kirtland.af.mil](mailto:Ludie.bitner@kirtland.af.mil)) or Mr. Scott Clark at (505) 846-9017 ([scott.clark@kirtland.af.mil](mailto:scott.clark@kirtland.af.mil)) if you have questions.

Sincerely



TOM D. MILLER, Colonel, USAF  
Commander

cc:

NMED-EHD (Blaine) w/o attch  
NMED-HWB (Cobrain, Moats, McDonald, Brandwein) w/attch  
NMED-GWQB (J. Schoeppner) w/attch  
NMED-PSTB (Reuter) w/attch  
NMED-OGC (deSaillan) w/o attch  
EPA Region 6 (King) w/o attch  
AFCEE/CMSE (Oyelowo) w/o attch  
Public Info Repository (Central New Mexico) w/attch  
Administrative Record/Information Repository (AR/IR) w/attch  
File, w/attch



SUSANA MARTINEZ  
Governor  
JOHN A. SANCHEZ  
Lieutenant Governor

NEW MEXICO  
ENVIRONMENT DEPARTMENT

*Environmental Health Division*

Harold Runnels Building  
1190 Saint Francis Drive (87505)  
P.O. Box 5469, Santa Fe, NM 87502-5469  
Phone (505) 827-0419 Fax (505) 827-0310  
www.nmenv.state.nm.us



RYAN FLYNN  
Cabinet Secretary-Designate  
BUTCH TONGATE  
Deputy Secretary  
TOM BLAINE, P.E.  
Division Director

**CERTIFIED MAIL - RETURN RECEIPT REQUESTED**

November 22, 2013

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 WELL KAFB-106157  
AQUIFER TESTING WORK PLAN  
BULK FUELS FACILITY SPILL  
SOLID WASTE MANAGEMENT UNITS ST-106 AND SS-111,  
KIRTLAND AIR FORCE BASE  
HWB-KAFB-13-014**

Dear Col. Miller and Mr. Pike:

The New Mexico Environment Department (NMED) Environmental Health Division (EHD) has received the U.S. Air Force's (the Permittee) *Groundwater Extraction Well KAFB-106157 Aquifer Testing Work Plan Bulk Fuels Facility Spill Solid Waste Management Units ST-106 and SS-111* (Work Plan) dated October 2013. Extraction well KAFB-106157 was installed in 2011 north of Kirtland Air Force Base and adjacent to the north side of Bullhead Park in Albuquerque, New Mexico. The EHD hereby approves the Work Plan with the following modifications. At a minimum, the Permittee must analyze samples of groundwater generated during the aquifer test in accordance with the following requirements:

1. Collect influent samples twice a day for the hazardous waste determination analytes [volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and RCRA metals] including 24-hour turnaround analyses for VOCs by EPA Method 8260 and EDB by EPA Method 8011. The Permittee must also analyze the influent samples for gasoline-range organics (GRO) and diesel-range organics (DRO) by modified EPA Method 8015.

Col. Miller and Mr. Pike  
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2. Collect samples from the effluent discharged from the third carbon bed twice a day for analysis for GRO, DRO, VOCs, SVOCs, EDB, iron, manganese, major anions and cations, alkalinity, ammonia and sulfide. VOCs and EDB analyses must be conducted within 24 hours of sample collection.

If any of the results of treatment system influent sample analytical testing indicate that groundwater extracted during the test is a hazardous waste as defined by 40 CFR 261 subpart C, the Permittee must obtain an emergency permit to treat the hazardous waste from NMED in accordance with 40 CFR 270.61.

Should you have any questions, please contact me at (505) 827-2855.

Sincerely,



Tom Blaine, P.E.  
Director  
Environmental Health Division

cc: S. Reuter, NMED PSTB  
J. Schoepner, NMED GWQB  
B. Gallegos, AEHD  
F. Shean, ABCWUA  
L. King, EPA-Region 6 (6PD-N)



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

**RE: SOIL-VAPOR EXTRACTION SYSTEM EXPANSION WORK PLAN  
PART 1: CANDIDATE WELL IDENTIFICATION AND PILOT TESTING  
BULK FUELS FACILITY SPILL  
SOLID WASTE MANAGEMENT UNITS ST-106 AND SS-111,  
KIRTLAND AIR FORCE BASE  
HWB-KAFB-13-017**

Dear Col. Miller and Mr. Pike:

The New Mexico Environment Department (NMED) Environmental Health Division (EHD) has received the U.S. Air Force's (the Permittee) *Soil-Vapor Extraction System Expansion Work Plan Part I: Candidate Well Identification and Pilot Testing, Bulk Fuels Facility Spill Solid Waste Management Units ST-106 and SS-111* (Work Plan) dated October 2013. The pilot test is being conducted in the vicinity of the former fuels loading racks at the north end of Kirtland Air Force Base south of Bullhead Park in Albuquerque, New Mexico. The EHD hereby approves the Work Plan. The results of the pilot testing must be provided to NMED in a summary report that includes all data collected during the tests and recommendations for expanding the current soil-vapor extraction (SVE) system to increase the rate hydrocarbon removal in the unsaturated zone in the vicinity of the former bulk fuels facility. The pilot test report must be submitted to NMED no later than December 31, 2013.

Col. Miller and Mr. Pike  
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Should you have any questions, please contact me at (505) 827-2855.

Sincerely,

A handwritten signature in black ink, appearing to read "Tom Blaine". The signature is fluid and cursive, with a long horizontal stroke at the end.

Tom Blaine, P.E.  
Director  
Environmental Health Division

cc: S. Reuter, NMED PSTB  
J. Schoeppner, NMED GWQB  
B. Gallegos, AEHD  
F. Shean, ABCWUA  
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