



SUSANA MARTINEZ
Governor

JOHN A. SANCHEZ
Lieutenant Governor

**NEW MEXICO
ENVIRONMENT DEPARTMENT**

Hazardous Waste Bureau

**2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505-6303
Phone (505) 476-6000 Fax (505) 476-6030
www.nmenv.state.nm.us**



DAVE MARTIN
Secretary

RAJ SOLOMON, P.E.
Deputy Secretary

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

June 1, 2011

Colonel Robert L. Maness
Base Commander
377 ABW/CC
2000 Wyoming Blvd. SE
Kirtland AFB, NM 87117-5606

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

**RE: CHARACTERIZATION OF HYDRAULIC PROPERTIES, BULK FUELS
FACILITY SPILL, MAY 5, 2011
KIRTLAND AIR FORCE BASE, EPA ID# NM9570024423**

Dear Col. Maness and Mr. Pike:

The New Mexico Environment Department (NMED) has received the U. S. Air Force's (Permittee's) letter of May 5, 2011, regarding the collection of samples to characterize hydraulic properties of the aquifer at and near the Bulk Fuels Facility Spill (Solid Waste Management Units ST-106 and SS-111). The letter summarizes technical decisions that were agreed upon by the NMED and the Permittee in a meeting on March 7, 2011, to address issues in NMED's letter dated February 21, 2011.

NMED concurs with the following requirements to be conducted:

1. Samples collected from the depth of the screen interval of each well are to be analyzed for grain size distribution, hydraulic conductivity, and specific yield.
2. The samples will be drill cuttings, remolded as necessary.
3. The samples analyzed will be those judged to be the most representative of the screened intervals.
4. Slug tests will be conducted as shown on Figure 1-1 of the subject letter.
5. Porosity will be estimated from the grain size distribution of the samples.

NMED concurs that samples will not be collected and analyzed for compressibility.

Although not mentioned in your letter, the Permittee also agreed to describe the samples for their geologic characteristics (mineralogy and texture) and assign the appropriate classification under the Unified Soil Classification System. In accordance with NMED's letter of February 21, 2011, the Permittee must submit the information in a report to the NMED.

Characterization of the Bulk Fuels Facility Spill has not been completed at this date. NMED reserves the right to require additional sample and analysis of hydraulic properties if such data become critical.

If you have any questions regarding this letter, please contact William Moats of my staff at (505) 222-9551.

Sincerely,



John E. Kieling
Acting Chief
Hazardous Waste Bureau

cc: R. Solomon, Deputy Secretary, NMED OOTS
J. Davis, NMED HWB
W. Moats, NMED HWB
W. McDonald, NMED HWB
S. Brandwein, NMED HWB
B. Olson, NMED GWQB
L. Barnhart, NMED OGC
B. Gallegos, AEHD
B. Gastian, ABCWUA
L. King, EPA-Region 6 (6PD-N)
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