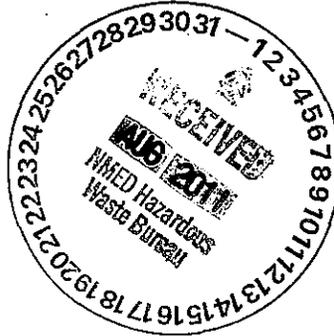




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Los Alamos Site Office, MS A316
Environmental Restoration Program
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(505) 667-4255/FAX (505) 606-2132

Date: **AUG 01 2011**
Refer To: EP2011-0019

John Kieling, Acting Bureau Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6303

Subject: Submittal of the Work Plan for Vadose Zone Moisture Monitoring at Material Disposal Area T at Technical Area 21

Dear Mr. Kieling:

Enclosed please find two hard copies with electronic files of the Work Plan for Vadose Zone Moisture Monitoring at Material Disposal Area T at Technical Area 21.

Los Alamos National Security (LANS), LLC, and the U.S. Department of Energy (DOE) submitted the Technical Area 21 (TA-21) well network evaluation report to the New Mexico Environment Department (NMED) in July 2010. This network evaluation included recommendations for moisture-monitoring wells to be installed near the disposal shafts at Material Disposal Area (MDA) T and a vapor-monitoring well to be installed near the former wastewater treatment plant (WWTP) within MDA T. NMED approved the network evaluation on December 2, 2010, and NMED's approval required LANS and DOE to submit a work plan for the proposed moisture-monitoring wells and vapor-monitoring well at MDA T by February 25, 2011. On January 24, 2011, NMED approved an extension until July 15, 2011, for submittal of these work plans. An additional 11-business day delay resulted from the Las Conchas fire force majeure event. Details of the force majeure event are presented in a July 21, 2011, letter to NMED.

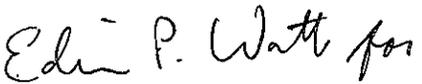
At this time, LANS and DOE are not submitting a work plan for the new vapor-monitoring well at MDA T. NMED has already approved a work plan for a new vapor-monitoring well near the former WWTP. This work plan was included in the Phase III investigation work plan for MDA T, which was submitted to NMED on April 17, 2009, and approved by NMED on May 4, 2009. The Laboratory has reviewed the vapor-monitoring well design specified in the Phase III investigation work plan for MDA T and has determined no changes to the approved work plan are required as a result of past or planned DP Site Aggregate Area field activities. Therefore, the Phase III investigation work plan for MDA T satisfies the requirement for a vapor-monitoring well work plan stipulated in the NMED's December 2, 2010, letter.

If you have any questions, please contact Bruce Wedgeworth at (505) 231-0108 (brucew@lanl.gov) or Ed Worth at (505) 606-0398 (eworth@doeal.gov).

Sincerely,


Michael J. Graham, Associate Director
Environmental Programs
Los Alamos National Laboratory

Sincerely,


George J. Rael, Assistant Manager
Environmental Projects Office
Los Alamos Site Office

MG/GR/DM/BW/KB:sm

Enclosures: Two hard copies with electronic files – Work Plan for Vadose Zone Moisture Monitoring at Material Disposal Area T at Technical Area 21 (LA-UR-11-3831)

Cy: (w/enc.)
Neil Weber, San Ildefonso Pueblo
Ed Worth, DOE-LASO, MS A316
Bruce Wedgeworth, EP-TA-21, MS C349
RPF, MS M707 (electronic copy)
Public Reading Room, MS M992 (hard copy)

Cy: (Letter and CD and/or DVD)
Laurie King, EPA Region 6, Dallas, TX
Steve Yanicak, NMED-DOE-OB, MS M894
Kay Birdsell, EES-16, MS M992 (w/ MS Word files on CD)
William Alexander, EP-BPS, MS M992

Cy: (w/o enc.)
Tom Skibitski, NMED-OB, Santa Fe, NM (date-stamped letter emailed)
Annette Russell, DOE-LASO (date-stamped letter emailed)
Dave McInroy, EP-CAP, MS M992 (date-stamped letter emailed)
Michael J. Graham, ADEP, MS M991 (date-stamped letter emailed)