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*Date:* February 14, 2009  
*Refer To:* EP2009-0077

James P. Bearzi, 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 Periodic Monitoring Report for Vapor-Sampling Activities at Material Disposal Area T, Consolidated Unit 21-016(a)-99, Technical Area 21**

Dear Mr. Bearzi:

Enclosed please find two hard copies with electronic files of the Periodic Monitoring Report for Vapor-Sampling Activities at Material Disposal Area (MDA) T, Consolidated Unit 21-016(a)-99, Technical Area 21.

As stated in the Phase II Investigation Work Plan, dated February 15, 2007, the original rationale for the proposed vapor monitoring was to provide initial data on the distribution of vapor-phase contaminants within the subsurface. LANL's moving of boreholes 21-25262 and 21-25263 outside the fence for administrative purposes did not alter the ability of those boreholes to perform this function. As described in the TA-21 Subsurface Vapor Moisture Monitoring Plan for Tritium dated July 16, 2008 and our letter to you dated December 5, 2008, we are in the process of drilling and installing a deep well to define the extent of contaminants at MDA T and support the corrective measures evaluation process.

If you have any questions, please contact Bruce Wedgeworth at (505) 231-0108 (brucew@lanl.gov) or George Henckel at (505) 606-0960 (ghenckel@doeal.gov).

Sincerely,

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

Sincerely,

David R. Gregory, Project Director  
 Environmental Operations  
 Los Alamos Site Office

MG/DG/AC/BW:sm

Enclosures: 1) Two hard copies with electronic files - Periodic Monitoring Report for Vapor-Sampling Activities at Material Disposal Area T, Consolidated Unit 21-016(a)-99, Technical Area 21 (LA-UR-09-0791)

Cy: (w/enc.)

George Henckel, DOE-LASO, MS A316  
Bruce Wedgeworth, EP-TA-21, MS C349  
RPF, MS M707 (with two CDs)  
Public Reading Room, MS M992

Cy: (Letter and CD only)

Laurie King, EPA Region 6, Dallas, TX  
Steve Yanicak, NMED-OB, White Rock, NM  
Kevin Reid, TerranearPMC, Los Alamos, NM  
Kristine Smeltz, WES-DO, MS M992  
EP-TA-21 File, MS C349

Cy: (w/o enc.)

Tom Skibitski, NMED-OB, Santa Fe, NM  
Keyana DeAgüero, DOE-LASO (date-stamped letter emailed)  
Allan Chaloupka, EP-TA-21, MS C349  
Michael J. Graham, ADEP, MS M991  
Alison M. Dorries, WES-DO, MS M992  
IRM-RMMSO, MS A150 (date-stamped letter emailed)