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JUL 2009
NMED Hazardous Waste Bureau

Date: July 31, 2009
Refer To: EP2009-0336

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, at Technical Area 21, February and April 2009

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 T, Consolidated Unit 21-016(a)-99, at Technical Area 21, February and April 2009.

As discussed with David Cobrain of your staff on July 17, 2009, Los Alamos National Laboratory identified a systematic low bias in tritium pore-vapor measurements. This bias results from the properties of silica gel used as the sampling medium for tritium pore vapor. The data submitted in this report, including in the text, table, figure, and CD, have been corrected for this bias. The process for correcting the data is discussed in the report.

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,

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

MG/DG/BC/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, at Technical Area 21, February and April 2009 (LA-UR-09-4674)

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

Cy: (Letter and CD and/or DVD only)
Laurie King, EPA Region 6, Dallas, TX
Steve Yanicak, NMED-OB, White Rock, NM
Kristine Smeltz, EP-WES, MS M992
EP-TA-21 File, MS C349

Cy: (w/o enc.)
Tom Skibitski, NMED-OB, Santa Fe, NM
Keyana DeAguero, DOE-LASO (date-stamped letter emailed)
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Bill Criswell, EP-TA-21, MS C349
IRM-RMMSO, MS A150 (date-stamped letter emailed)