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FEB 2012
NMED Hazardous Waste Bureau

National Nuclear Security Administration
Los Alamos Site Office, MS A316
Environmental Restoration Program
Los Alamos, New Mexico 87544
(505) 667-4255/FAX (505) 606-2132

Date: FEB 2 3 2012
Refer To: EP2012-0053

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: Request to Abandon Borehole 50-24817 at Material Disposal Area C, Solid Waste Management Unit 50-009

Dear Mr. Kieling:

This letter requests approval to abandon borehole 50-24817 at Material Disposal Area (MDA) C at Los Alamos National Laboratory (the Laboratory) Technical Area 50. This borehole is located within a paved area north of the MDA C fence and was originally advanced to a depth of 250 ft below ground surface (bgs) during the 2005 investigation of MDA C. During the 2008 Phase II investigation at MDA C, this borehole was advanced to a depth of 450 ft bgs. The Laboratory attempted to complete this borehole as a vapor-monitoring well by installing a Flexible Liner Underground Technology (FLUTe) system. However, difficulties were encountered with installation of the FLUTe system, and this approach was abandoned. Instead, a new borehole, 50-606383, was installed to a depth of 450 ft bgs at a location approximately 10 ft from borehole 50-24817. Borehole 50-603383 was completed as a vapor-monitoring well with stainless-steel sampling ports. A protective surface casing was installed on borehole 50-24817, and this borehole is no longer used monitoring purposes.

Recently, the protective surface casing on borehole 50-24817 was damaged by snow removal equipment. Because this borehole is no longer used for monitoring, the Laboratory wishes to abandon it rather than repair the surface casing. This borehole would be abandoned by injecting cement grout from the bottom of the borehole using a tremie pipe.

If you have any questions, please contact Stephani Swickley at (505) 606-1628 (sfuller@lanl.gov) or Cheryl Rodriguez at (505) 665-5330 (cheryl.rodriguez@nnsa.doe.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/SS:sm

Cy: Laurie King, EPA Region 6, Dallas, TX
Neil Weber, San Ildefonso Pueblo
Joe Chavarria, Santa Clara Pueblo
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