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Date: **DEC 10 2010**  
 Refer To: EP2010-0550

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

**Subject: Request for Certificate of Completion for Area of Concern 00-018(b),  
 Bayo Wastewater Treatment Plant, Pueblo Canyon Aggregate Area**

Dear Mr. Bearzi:

In accordance with Section VII.E.6.b of the Compliance Order on Consent (Consent Order), Los Alamos National Laboratory (the Laboratory) and the U.S. Department of Energy (DOE) are requesting a Certificate of Completion without Controls for Area of Concern (AOC) 00-018(b), the Bayo Wastewater Treatment Plant (WWTP), within the Pueblo Canyon Aggregate Area. The Bayo WWTP is located on property belonging to Los Alamos County (the County) and was operated by the County as a municipal WWTP from 1963 to 2007.

AOC 00-018(b) was recommended for Corrective Action Complete without Controls in the Investigation Report for Pueblo Canyon Aggregate Area, Revision 1 (LA-UR-08-4765/EP2008-0391) and the Demolition Documentation Report for the Bayo Canyon Wastewater Treatment Plant, Area of Concern 00-018(b) (LA-UR-10-2076/EP2010-0138). Information presented in the investigation report substantiates that the nature and extent of potential contamination are defined and demonstrates that the site does not pose a potential unacceptable risk or dose to human health under the residential scenario. In addition, the investigation report demonstrates that AOC 00-018(b) does not pose potential risk to ecological receptors. The New Mexico Environment Department (NMED) approved the investigation report with modifications as described in a letter dated August 22, 2008.

The demolition documentation report describes the observation and monitoring activities conducted by the Laboratory during demolition of the WWTP, as required by NMED in its August 22, 2008, approval with modifications letter. During the 4-month-long demolition of the Bayo WWTP, the Laboratory worked in close coordination with NMED and the County to confirm no adverse impacts to the WWTP occurred from Laboratory activities by conducting oversight of demolition activities, visual and olfactory observations, photo documentation, and field screening for both volatile organic compounds and radioactivity. These activities were conducted in accordance with the Observation Plan for Demolition of the Bayo Canyon Wastewater Treatment Plant, Area of



Concern 00-018(b), by Los Alamos County (LA-UR-09-1814/EP2009-0173) and subsequent communication from NMED. (The observation plan was approved with modifications by NMED in a letter dated April 5, 2009; the approval with modifications was further clarified by NMED in a letter dated August 19, 2009.)

The objective of the observation activities was to ensure no previously unknown conditions existed at the site that would affect the conclusions or recommendations of the investigation report. As presented in the demolition documentation report, no such conditions were observed, and the conclusions and recommendations of the investigation report (that the nature and extent of contamination are defined and the site poses no unacceptable risk to human health or the environment under any land-use scenario) remain valid.

Based on operational history and investigation results, neither Laboratory-implemented site controls nor additional future actions under the Consent Order are necessary or appropriate at AOC 00-018(b). Therefore, the Laboratory and the DOE request a Certificate of Completion without Controls for AOC 00-018(b).

If you have any questions, please contact Becky Coel-Roback at (505) 665-5011 (becky\_cr@lanl.gov) or Cheryl Rodriguez at (505) 665-5330 (crodriguez2@doeal.gov).

Sincerely,



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

Sincerely,



George J. Rael, Manager  
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Cy: Laurie King, EPA Region 6, Dallas, TX  
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Cheryl Rodriguez, DOE-LASO, MS A316 (date-stamped letter emailed)  
Annette Russell, DOE-LASO (date-stamped letter emailed)  
Becky Coel-Roback, EP-CAP, MS M992 (date-stamped letter emailed)  
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