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Date: FEB 26 2010
 Refer To: EP2010-0067

James 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 Status of Inflatable Packer Systems and Assessment of Cross Flow in Monitoring Wells at Los Alamos National Laboratory

Dear Mr. Bearzi:

Enclosed please find two hard copies with electronic files of the Status of Inflatable Packer Systems and Assessment of Cross Flow in Monitoring Wells at Los Alamos National Laboratory. This report was developed as a follow-up to the November 20, 2009, letter from Los Alamos National Laboratory (the Laboratory) to the New Mexico Environment Department (NMED) regarding recently identified issues related to a loss of pressure in packer systems in monitoring wells at the Laboratory.

This report also includes documentation regarding the R-16 packer leakage incident and the hydrochemical impacts from this incident, as requested in Item No. 7 of the letter from NMED on December 23, 2009, Approval with Modification Rehabilitation and Conversion Summary Report for Well R-16. This report does not include details regarding the latest incident related to R-22, as discussed with NMED during the February 25, 2010, telephone conference.

If you have any questions, please contact Steve Paris at (505) 606-0915 (smparis@lanl.gov) or Hai Shen at (505) 665-5046 (hshen@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/SP/TG:sm

Enclosures: Two hard copies with electronic files – Status of Inflatable Packer Systems and Assessment of Cross Flow in Monitoring Wells (LA-UR-10-1111)

Cy: (w/enc.)

Neil Weber, San Ildefonso Pueblo
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