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Date: DEC 07 2011
Refer To: EP2011-0376

Mr. Brian Snyder, Water Division Director
Acting Public Utilities Division Director
Sangre de Cristo Water Division
City of Santa Fe
801 West San Mateo
P.O. Box 909
Santa Fe, New Mexico 87504

Subject: Los Alamos National Laboratory Sitewide Monitoring Program Drinking Water Results for the City of Santa Fe Buckman Water Supply Wells

Dear Mr. Snyder:

This report, prepared by Los Alamos National Laboratory (the Laboratory), provides the analytical results from the August 31, 2011, sampling of the City of Santa Fe's Buckman water supply well Nos. 1, 6, and 8 for tritium. All results were below the U.S. Environmental Protection Agency maximum contaminant levels.

Routine monitoring of select Buckman water supply wells is conducted in accordance with the April 22, 2010, sampling and analysis plan cooperatively developed between the Laboratory and the City of Santa Fe staff. Under this plan, Buckman well Nos. 1, 6, and 8 will be sampled quarterly by the Laboratory: twice per year for radionuclides, general inorganics, metals, and organics; and twice per year for tritium.

The attached CD contains the following items: (1) analytical laboratory data packages and (2) an Excel file of the analytical results with a glossary of laboratory qualifier codes, secondary validation codes, and secondary validation reason codes. The analytical results are as follows.

Tritium: Tritium was not detected in the samples collected on August 31, 2011, or in the samples collected on May 17, 2011. Results from the samples collected on March 14, 2011, included tritium detections in two of the three water-supply wells sampled. In recent discussions with your staff, the Laboratory has stated it is working with its contract analytical laboratory to reevaluate all low-level tritium analyses to determine results affected by calculation errors. This reevaluation is complete and has resulted in corrections to the previously reported tritium results from samples collected from the Buckman wells including those collected on March 14, 2011 sampling. The Laboratory intends to upload the corrected results into the RACER database but only after discussing with your staff and explaining the process that was undertaken and the results of the reevaluation.

In summary, all results presented in this report are below EPA MCLs.
If you have questions, please contact Steve Paris at (505) 606-0915 (smparis@lanl.gov) or Woody Woodworth at (505) 665-5820 (lance.woodworth@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/CD/SP/DR:sm

Enclosure: CD with the following items:
(1) Analytical laboratory data packages
(2) Excel file of analytical data and glossary of laboratory qualification codes, secondary validation codes, and secondary validation reason codes (LA-UR-11-6489)

Cy: (w/enc.)
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