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**Deliverables
Compliance Team**

FAX

TO: Brian Snyder

FR: Sandra Martinez

FAX # 955-4280

PH: 670-5007

PAGES: 5 total pages including cover sheet

DATE: July 28, 2010

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

Comments:

*If you have any questions, please contact me.
The original with the CD is in the mail.*



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EST. 1943

Environmental Programs

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Date: **JUL 28 2010**

Refer To: EP2010-0344

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 November 24, 2009, and March 9, 2010, sampling of the City of Santa Fe's Buckman Wells Nos. 1, 6, and 8 for low-level tritium analysis. All results were below the U.S. Environmental Protection Agency (EPA) drinking water standards.

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 City of Santa Fe staff. Under this plan, Buckman Wells Nos. 1, 6, and 8 will be sampled quarterly by the Laboratory: twice per year for full-suite analysis (radiologicals [including tritium], general inorganics [including perchlorate], metals [including chromium], and organics); and twice per year for low-level tritium.

The attached CD contains the following items: (1) University of Miami Tritium Laboratory (UMTL) data reports; and (2) an Excel file of all analytical results with a glossary of laboratory qualification codes, secondary validation codes, and secondary validation reason codes. The analytical results are as follows.

- **Tritium:** Tritium results from the November 24, 2009, and March 9, 2010, sampling of Buckman Wells Nos. 1, 6, and 8 were nondetect (U flag), as indicated by the secondary validation code "U." Analytical results are presented in Table 1.0. The EPA maximum contaminant level (MCL) for tritium in drinking water is 20,000 pCi/L.
- **Field Parameters:** Results from the measurement of field parameters—conductivity, temperature, turbidity, and pH—are presented in Table 2.0. All results are compliant with the EPA Secondary Drinking Water Regulations.

In summary, all results presented in this report are below EPA drinking water standards. If you would like additional information regarding this report, please contact Bob Beers at (505) 667-7969 (bbeers@lanl.gov).

Sincerely,



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

MG/DM/SV/RB:sm

Attachment: CD with the following items:

- (1) UMTL data reports
- (2) Excel file of Tables 1.0–2.0 and glossary of laboratory qualification codes, secondary validation codes, and secondary validation reason codes (LA-UR-10-4677)

Cy: (w/enc.)

Claudia Borchert, City of Santa Fe, Santa Fe, NM
Michael Gonzales, City of Santa Fe, Santa Fe, NM
Margaret Ryan, NMED-DWB, Santa Fe, NM
Steve Yanicak, NMED-DOE-OB, MS M894
Neil Weber, San Ildefonso Pueblo
Hai Shen, DOE-LASO, MS A316
Gene Turner, DOE-LASO, MS A316
Bob Beers, ENV-RCRA, MS K490
RPF, MS M707

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Laurie King, EPA Region 6, Dallas, TX
Steve Veenis, EP-CAP, MS K490
Danny Katzman, EP-ET-DO, MS M992
Suzanne Coyne, IRM-DCS, MS M992
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Tom Skibitski, NMED-OB, Santa Fe, NM
Annette Russell, DOE-LASO, MS A316 (date-stamped letter emailed)
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Mike Saladen, ENV-RCRA, MS K490
Dave McInroy, EP-CAP, MS M992
Michael J. Graham, ADEP, MS M991
IRM-RMMSO, MS A150 (date-stamped letter emailed)