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Compliance Team**

FAX

TO: Brian Snyder

FR: Sandra Martinez

FAX # 955-4280

PH: 670-5007

PAGES: -4- total pages including cover sheet

DATE: June 12, 2012

RE: Los Alamos National Laboratory Sitewide Monitoring Program,
City of Santa Fe Buckman Water Supply Wells, 2012-2013
Sampling and Analysis Plan

Comments:

If you have any questions, please contact me.

*Thank you.
Saundra*



Environmental Programs

P.O. Box 1663, MS M991
Los Alamos, New Mexico 87545
(505) 606-2337/Fax (505) 665-1812

Date: JUN 12 2012
Refer To: EP2012-0119

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, City of Santa Fe
Buckman Water Supply Wells, 2012–2013 Sampling and Analysis Plan**

Dear Mr. Snyder:

Los Alamos National Laboratory (the Laboratory) has participated in cooperative sampling of select Buckman drinking water-supply wells since 2001. The attached sampling and analysis plan represents the Laboratory's commitment for the next four quarters of sampling beginning in April 2012. The attached plan was reviewed by the Laboratory and the City of Santa Fe Water Division staff (via Alex Puglisi) to ensure the locations, analytes, and frequencies meet our collective data needs.

In addition, the Laboratory would like to confirm its intent to follow the previously agreed upon practices listed below in reporting analytical results from the Buckman production wells:

1. The Laboratory will follow the historical practice waiting 120 days after sample collection before the Buckman production well data are released to the public or posted to the publicly accessible website, Intellus (<http://www.intellusnm.com/>).
2. If some indication of contamination is detected in a Buckman production well, the Laboratory will work with the Water Division to evaluate the data and review the need to modify the sampling and analysis plan to address any questions posed by the potential contaminant.

Finally, the Laboratory would like to propose to provide the City of Santa Fe Water Division with an automated electronic report presenting analytical results for each quarterly sampling event.

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,



Peter Maggiore, Assistant Manager
Environmental Projects Office
Los Alamos Site Office

MG/PM/CD/SP:sm

Attachment: City of Santa Fe Buckman Water Supply Wells, 2012–2013 Sampling and Analysis Plan (LA-UR-12-21062)

Cy: (w/att.)

Laurie King, EPA Region 6, Dallas, TX
Steve Rydeen, San Ildefonso Pueblo
Joe Chavarria, Santa Clara Pueblo
Alex Puglisi, City of Santa Fe, Santa Fe, NM
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Woody Woodworth, DOE-LASO, MS A316
Cheryl Rodriguez, DOE-LASO, MS A316
Tom Carver, DOE-LASO, MS A316
Steve Paris, EP-CAP, MS M992
Suzanne Coyne, IRM-DCS, MS M992
William Alexander, EP-BPS, MS M992
RPF, MS M707 (electronic copy)

Cy: (w/o att.)

Tom Skibitski, NMED-OB, Santa Fe, NM (date-stamped letter emailed)
Annette Russell, DOE-LASO, MS A316 (date-stamped letter emailed)
David Rhodes, DOE-LASO, MS A316 (date-stamped letter emailed)
Michael B. Mallory, PADOPS, A102 (date-stamped letter emailed)
Mike Brandt, ADESHQ, MS K491 (date-stamped letter emailed)
Mike Saladen, ENV-RCRA, MS K490 (date-stamped letter emailed)
David Rogers, EP-ET, MS M992 (date-stamped letter emailed)
Danny Katzman, EP-ET, MS M992 (date-stamped letter emailed)
Craig Douglass, EP-CAP, MS M996 (date-stamped letter emailed)
Dave McInroy, EP-CAP, MS M996 (date-stamped letter emailed)
Michael J. Graham, ADEP, MS M991 (date-stamped letter emailed)

**CITY OF SANTA FE BUCKMAN WATER SUPPLY WELLS,
2012–2013 SAMPLING AND ANALYSIS PLAN**

**Table 1
Analytes by Sampling Event**

Well Name	Field Prep	Apr–June 2012 Event	July–Sept 2012 Event	Oct–Dec 2012 Event	Jan–Mar 2013 Event
Buckman No. 1	UF	Full-suite*	Low-level tritium	Full-suite*	Low-level tritium
Buckman No. 1	F	Total Cr		Total Cr	
Buckman No. 6	UF	Full-suite*	Low-level tritium	Full-suite*	Low-level tritium
Buckman No. 6	F	Total Cr		Total Cr	
Buckman No. 8	UF	Full-suite*	Low-level tritium	Full-suite*	Low-level tritium
Buckman No. 8	F	Total Cr		Total Cr	

*See Table 2 for the full-suite analyte list.

**Table 2
Full-Suite Analyte List**

Analytes	Analytical Method
TAL metals (23)	EPA:200.7, EPA:200.8
Hg	EPA:245.2
U (mass)	EPA:200.8
TDS	EPA:160.1
Anions: Cl, F, SO ₄ , Br	EPA:300.0
Alkalinity	EPA:310.1
Hardness	SM:A2340B
Cyanide	EPA:335.4
Ammonia	EPA:350.1
TKN	EPA:351.2
Nitrate+nitrite	EPA:353.2
Total P	EPA:365.4
VOC	EPA:624 or SW-848:8260B
Gross alpha/beta/gamma	EPA:900
Ra-226 & -228	EPA:903.1 & EPA:904.0
Sr-90	EPA:905.0
Low-level tritium	American Radiation Services
Am-241	HASL-300:AM-241
Cs-137	EPA:901.1
Np-237	HASL-300:Np-237
Pu (isotopic)	HASL-300:ISOPU
U (isotopic)	HASL-300:ISOU
Th (isotopic)	HASL-300:ISOTH
PCBs	SW-846:8082
High explosives	SW-846:8321A_MOD
Perchlorate	SW846:6850