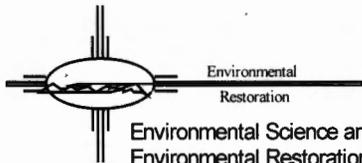


Los Alamos National Laboratory

UNIVERSITY OF CALIFORNIA



Environmental
Restoration

Environmental Science and Waste Technology (E)
Environmental Restoration, MS M992
Los Alamos, New Mexico 87545
505-667-0808/FAX 505-665-4747

Date: November 19, 1999
Refer to: E/ER-99-336

Mr. John Kieling
NMED-HRMB
P.O. Box 26110
Santa Fe, NM 87502

SUBJECT: TECHNICAL AREA (TA) 16 QUARTERLY WATER SAMPLING NOTIFICATION

Dear Mr. Kieling:

The Los Alamos National Laboratory Environmental Restoration (ER) Project is planning to conduct quarterly water sampling at TA-16 between December 3-10, 1999. This activity is part of an ongoing effort to understand the hydrogeologic system at TA-16.

Samples will be collected as shown in the table below.

Plan/Document	Location	Number of Samples	Sample Type	Analyses
CMS Plan for PRS 16-021(c) LA-UR-98-3918 EM/ER: 98-397 RFI Report for PRSs in TA-16, 16-003(k) 16-021(c) LA-UR-96-3191 EM/ER: 96-502	5 Alluvial Wells in Cañon de Valle	10 samples (5 filtered, metals only, 5 unfiltered)	Groundwater	<ul style="list-style-type: none"> Anions including nitrate Bicarbonate Hydrogen and Oxygen Isotopes Extended High Explosives suite including nitroglycerine and PETN Metals including Boron (the only filtered analysis) Nitrogen Isotopes (Currently there is no laboratory for analyzing the oxygen isotope ratio on the nitrate, so they are collected and stored in a refrigerator.) Tritium (low level) Total Uranium Volatile organics
CMS Plan for PRS 16-021(c) LA-UR-98-3918 EM/ER: 98-397 RFI Report for PRSs in TA-16, 16-003(k) 16-021(c) LA-UR-96-3191 EM/ER: 96-502	Burning Ground Spring, SWSC Spring, Martin Spring	6 samples (3 filtered, metals only, 3 unfiltered)	Groundwater	<ul style="list-style-type: none"> Anions including nitrate Bicarbonate Hydrogen and Oxygen Isotopes Extended High Explosives suite including nitroglycerine and PETN Metals including Boron (the only filtered analysis) Nitrogen Isotopes (Currently there is no laboratory for analyzing the oxygen isotope ratio on the nitrate, so they are collected and stored in a refrigerator.) Tritium (low level) Total Uranium Volatile organics

Hewlett Packard 31082/16-0021(c)

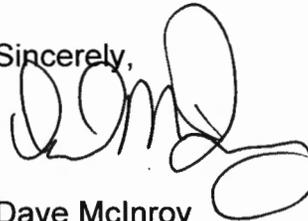
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Plan/ Document	Location	Number of Samples	Sample Type	Analyses
CMS Plan for PRS 16-021(c) LA-UR-98-3918 EM/ER: 98-397 RFI Report for PRSs in TA-16, 16-003(k) 16- 021(c) LA-UR-96-3191 EM/ER: 96-502	Peter and Fishladder Seeps, Cañon de Valle/Water confluence, Cañon de Valle Headwaters, 90's Line pond, the Cañon de Valle/Fishladder confluence, and Water Canyon above the CDV/Water Canyon confluence	14 samples (7 filtered, metals only, 7 unfiltered)	Surface Water	<ul style="list-style-type: none">• Anions including nitrate• Bicarbonate• Hydrogen and Oxygen Isotopes• Extended High Explosives suite including nitroglycerine and PETN• Metals including Boron (the only filtered analysis)• Nitrogen Isotopes (Currently there is no laboratory for analyzing the oxygen isotope ratio on the nitrate, so they are collected and stored in a refrigerator.)• Tritium (low level)• Total Uranium• Volatile organics

If you have any questions or concerns please feel free to give me a call at
(505) 667-0819.

Sincerely,



Dave McInroy
Environmental Restoration Project

DM/NR/ev

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RPF, (ER Catalog # 19990177), MS M707