

Los Alamos National Laboratory

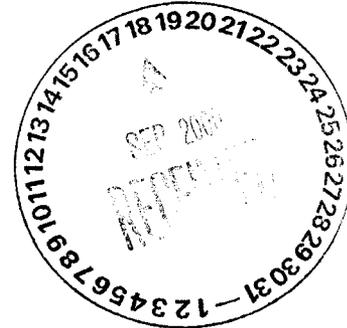
UNIVERSITY OF CALIFORNIA



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

Date: September 12, 2000
Refer to: ER2000-0488

Mr. John Young, Corrective Action Project Leader
Permits Management Program
NMED – Hazardous Waste Bureau
2044 A Galisteo
Santa Fe, NM 87502



SUBJECT: SAMPLING NOTIFICATION

Dear Mr. Young:

The Los Alamos National Laboratory Environmental Restoration Project is planning to conduct water sampling as well as sediment/soil sampling at Technical Area (TA)-16 between September 22 and October 31, 2000. The water sampling is being conducted to support the quarterly monitoring program while the sediment/soil sampling is being conducted to support phytoremediation studies and geomorphologic studies. All of these activities are 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	16 samples (8 filtered, metals only, 8 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 (only filtered analysis)• Nitrogen Isotopes• Tritium (low level)• Total Uranium• Volatile organics



HSWA LANL 03/1082/10/16-021(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	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 (only filtered analysis) • Nitrogen Isotopes • 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	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 (only filtered analysis) • Nitrogen Isotopes • Tritium (low level) • Total Uranium • Volatile organics
CMS Plan for PRS 16-021(c) LA-UR-98-3918 EM/ER: 98-397	Burning Ground Spring	10	Sediment	<ul style="list-style-type: none"> • High explosives • Total metals
CMS Plan for PRS 16-021(c) LA-UR-98-3918 EM/ER: 98-397	Canon de Valle and Martin Spring	20	Sediment/soil	<ul style="list-style-type: none"> • High explosives • Total metals • Total Uranium • Semi-volatile organics

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

Sincerely,


David McInroy
Environmental Restoration Project

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