

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: July 17, 2001
Refer to: ER2001-0588

Mr. John Young, Corrective Action Project Leader
Permits Management Program
NMED – Hazardous Waste Bureau
2905 Rodeo Park Drive East
Building 1
Santa Fe, NM 87505-6303

SUBJECT: SAMPLING NOTIFICATION

Dear Mr. Young:

The Los Alamos National Laboratory (LANL) Environmental Restoration (ER) Project is planning to conduct confirmation sampling associated with the preliminary Voluntary Corrective Action (VCA) field activities at Potential Release Sites (PRSs) 21-024(f) and C-21-015 during the week of July 30, 2001. Preliminary VCA activities will begin the week of July 23, 2001 and continue through approximately August 24, 2001, and will include removal of the concrete sump and remaining inlet and outlet lines at PRS C-21-015 and removal of the septic tank and remaining inlet and outlet lines at PRS 21-024(f). Confirmation samples will be collected from beneath the septic tank, sump and all associated inlet and outlet lines to those structures. In addition, samples will be collected beneath the outfall pit from the septic tank at PRS 21-024(f) and down the canyon side slope directly north of the outfall.

The ER Project will verbally confirm and/or notify New Mexico Environment Department Hazardous Waste Bureau (NMED-HWB) staff of any changes to the schedule. Subsequent to the excavation of each PRS location, confirmation samples will be collected as shown in the table below.



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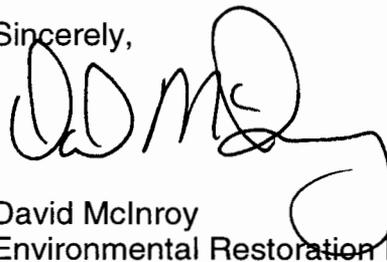


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Plan/Document	Location	Number of Samples	Sample Type	Analyses
VCA Plan for PRS 21-024(f) and C-21-015 LA-UR-99-3407	Within septic tank footprint and beneath the associated inlet and outlet lines	16 samples: 12 associated with the inlet and outlet lines, and 4 beneath the septic tank	Subsurface soil/tuff	<ul style="list-style-type: none"> - VOCs - TAL metals (including mercury) plus lithium and strontium - gross alpha, beta and gamma radiation - gamma spectroscopy for cesium-134, cesium-137, sodium-22, cobalt-60, ruthenium-106, americium-241, europium-152 and uranium 235 - americium-241 - tritium
VCA Plan for PRS 21-024(f) and C-21-015 LA-UR-99-3407	PRS 21-024(f) Beneath the outfall pit	4 samples from a single hollow stem auger borehole	Subsurface soil/tuff	<ul style="list-style-type: none"> - isotopic uranium, isotopic thorium and isotopic plutonium by alpha spectroscopy, - gross alpha, beta and gamma radiation - americium-241 - tritium - TAL metals (including mercury) plus strontium, molybdenum, and lithium
VCA Plan for PRS 21-024(f) and C-21-015 LA-UR-99-3407	C-21-015 Beneath the sump	10 samples: 4 samples associated with the sump, and 6 samples associated with the outlet line	Subsurface soil/tuff	<ul style="list-style-type: none"> - PCBs - SVOCs - Gross alpha, beta and gamma radiation - gamma spectroscopy for cesium-134, cesium-137, sodium-22, cobalt-60, ruthenium-106, americium-241, europium-152 and uranium-235 - Strontium-90 - TAL metals (including mercury)
VCA Plan for PRS 21-024(f) and C-21-015 LA-UR-99-3407	PRS 21-024(f): Slope below the outfall pit	~11 samples	Soil/sediment	<ul style="list-style-type: none"> - isotopic uranium, isotopic thorium and isotopic plutonium by alpha spectroscopy - gross alpha beta and gamma radiation - americium-241 - tritium - TAL metals (including mercury) plus strontium, molybdenum, lithium

If you have any questions or concerns please feel free to give me a call at (505) 667-0819 or John Hopkins at (505) 667-9551.

Sincerely,



David McInroy
Environmental Restoration Project

DM/PB/ev

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