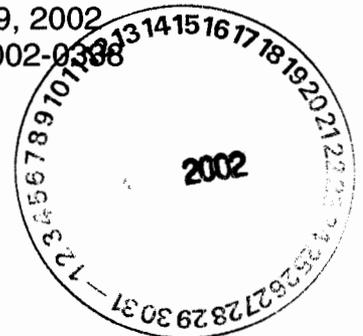


**ENVIRONMENTAL
RESTORATION
PROJECT**

Los Alamos National Laboratory/University of California
Risk Reduction & Environmental Stewardship (RRES)
Environmental Restoration (ER) Project, MS M992
Los Alamos, New Mexico 87545

TA-21

Date: May 9, 2002
Refer to: ER2002-0303



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: 10-DAY SAMPLE NOTIFICATION, POTENTIAL RELEASE SITE 21-018(a)-99, (NTISV HOT DEMONSTRATION), POSTMELT SAMPLING

Dear Mr. Young:

During the week of May 27, 2002, the Los Alamos National Laboratory (LANL) Environmental Restoration (ER) Project is planning to begin drilling and sampling the vitrified glass product at PRS 21-018(a)-99 in accordance with the "Interim Measures (IM) Plan for Consolidated Potential Release Site (PRS) 21-018(a)-99," (LA-UR-99-3406). The IM Plan describes the approach for the demonstration of nontraditional insitu vitrification (NTISV) technology in the northernmost absorption bed (#1) at PRS 21-018(a)-99, Material Disposal Area (MDA) V. 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. Results from the sampling will be presented in the subsequent VCA Report. Sampling is summarized in the following table:

Plan/Document	Location	Number of Samples	Sample Type	Analyses*
1. Interim Measure Plan for Consolidated Potential Release Site 21-018(a)-99 (LA-UR-99-3406)	TA-21, PRS 21-018(a)-99	7 plus 1 field duplicate	Vitrified material from absorption bed 1	Product consistency testing (PCT); TCLP metals; gamma spectroscopy; isotopic uranium; isotopic plutonium; strontium-90; and TAL metals
2. Interim Measure Plan for Consolidated Potential Release Site 21-018(a)-99 (LA-UR-99-3406)	TA-21, PRS 21-018(a)-99	1	Subsurface tuff from beneath absorption bed 1	TCLP metals; gamma spectroscopy; isotopic uranium; isotopic plutonium; tritium; strontium-90; and TAL metals

*Note that tritium analyses will not be run on the vitrified product samples as proposed in the IM Plan. The method for tritium requires extraction of 1 ml of moisture from a sample. During the NTISV "hot" demonstration, soil/tuff in the absorption bed was heated to a temperature of approximately 2000 degrees C, and is therefore not expected to contain any free moisture for analysis. The maximum concentration of tritium measured in absorption bed materials prior to the demonstration was 27.6 pCi/g.



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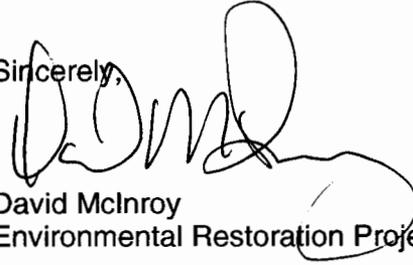
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If you have any questions or concerns please feel free to give me a call at (505) 667-0819 or John Hopkins at (505) 667-9551.

Sincerely,



David McInroy
Environmental Restoration Project

DM/PB/eim

Cy:

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