

Los Alamos National Laboratory/University of California  
Environmental Stewardship (ENV)  
Environmental Remediation & Surveillance Program (ERS), MS M992  
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National Nuclear Security Administration  
Los Alamos Site Office, MS A316  
Environmental Restoration Program  
Los Alamos, New Mexico 87544  
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TA21

Date: May 31, 2005  
Refer To: ER2005-0351

Mr. James Bearzi  
NMED – Hazardous Waste Bureau  
2905 Rodeo Park Drive East  
Building 1  
Santa Fe, NM 87505-6303



**SUBJECT: SAMPLING NOTIFICATION FOR MATERIAL DISPOSAL AREA (MDA)**

Dear Mr. Bearzi:

The Los Alamos National Laboratory Environmental Stewardship-Environmental Remediation and Surveillance (ENV-ERS) Program is planning to conduct sampling in accordance with the "Investigation Work Plan for Material Disposal Area U, Solid Waste Management Unit 21-017(a)-99, at Technical Area 21" (LA-UR-04-3699). The sampling is scheduled to begin on or about June 20, 2005.

The Work Plan, which was approved with modifications by the New Mexico Environment Department (NMED) on March 21, 2005, describes the sampling to be conducted at MDA U, as summarized in the attached table. If you have any questions regarding this sampling, or to arrange a site visit, please contact Becky Coel-Roback at (505) 665-5011.

CWC/jk

Sincerely,

C. William Criswell,  
Program Manager for Corrective Action,  
Closure and Site Transfer  
ENV-ERS



Enclosures: Sampling Table

Cy:(w/encl.)

E. Rainey, ENV-ECR, MS M992  
B. Criswell, ENV-ERS, MS M992  
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IM-9, MS A150  
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Cy:(w/o encl.)

A. Dorries, ENV-ECR, MS M992  
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B. Rich, ADO, MS A104  
C. Voorhees, NMED-OB

SWMU/AOC	Estimated Number of Samples	Type of Sampling	Analytical Suite Type
21-017(a)-99	36 subsurface tuff characterization samples and associated quality control samples	<u>Subsurface (borehole) samples:</u> Characterization sampling by SOP-6.24 or SOP-6.26	VOCs and tritium in pore gas, SVOCs, pH, TAL metals, perchlorate, cyanide, polychlorinated biphenyls (PCBs), nitrate, gamma spectroscopy, alpha spectroscopy, americium-241, isotopic plutonium, isotopic uranium, strontium-90, and tritium
21-017(a)-99	Nine surface characterization samples and associated quality control samples	<u>Surface samples:</u> Characterization sampling by SOP-06.09 and/or SOP-06.10	SVOCs, pH, TAL metals, perchlorate, cyanide, PCBs, gamma spectroscopy, alpha spectroscopy, americium-241, isotopic plutonium, isotopic uranium, strontium-90, and tritium
21-017(a)-99	One subsurface characterization sample, deemed to be the most contaminated based on field screening results or historical data	<u>Subsurface (borehole) samples:</u> Characterization sampling by SOP-6.24 or SOP-6.26	*Dioxins, furans, and high explosives (HE)

\*If dioxins, furans, or HE are detected in this sample, these analyses may be required in other site samples, as determined by NMED.