

HSWA LANL 5/11/48/5A  
MDA H

# 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: June 6, 2001  
Refer to: ER2001-0486

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:

During the week of May 1, 2001, the Los Alamos National Laboratory (LANL) Environmental Restoration (ER) Project is planning to collect samples at Material Disposal Area H (MDA H), Technical Area (TA)-54 in accordance with the "Request for Supplemental Information Response for TA-54, MDA H, Resources Conservation and Recovery Act (RCRA) Facility Investigation (RFI) Report Material Disposal Area H (MDA H), Technical Area 54 (TA-54)," (LA-UR-01-1208) and the "Plan for Supplemental Sampling for the RCRA Facility Investigation at Material Disposal Area H," (LA-UR-01-2516). Two new boreholes will be advanced, one to the northwest of MDA H to a total depth (TD) of 100 feet below ground surface (bgs), and one to the southeast of MDA H to a TD of approximately 300 feet bgs. Core samples will be collected at 50 feet and TD from both boreholes. In addition, both boreholes will undergo neutron logging and the first 10 feet of each borehole will be cased (stainless steel) and grouted. The 300-foot borehole to the southeast will also undergo permeability testing at intervals of approximately 30 feet. One sediment sample will be collected from the drainage channel southwest of MDA H.

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 an Addendum to the MDA H RFI report. The sampling is described in Table 1 of the "Plan for Supplemental Sampling for the RCRA Facility Investigation at Material Disposal Area H," (LA-UR-01-2516) and summarized in the following table, which indicates the minimum number of samples to be collected:



Plan/Document	Location	Number of Samples	Sample Type	Analyses
1. Request for Supplemental Information Response for TA-54, MDA H, Resources Conservation and Recovery Act (RCRA) Facility Investigation (RFI) Report Material Disposal Area H (MDA H), Technical Area 54 (TA-54) (LA-UR-01-1208)	TA-54, PRS 54-004, MDA-H	4	Core (tuff)	Tritium (liquid scintillation)
		1	Core (tuff from TD of 300' borehole)	Tritium, stable isotopes, chloride & moisture content
		4	SUMMA Canister (50' and TD of each borehole)	VOCs and Tritium
2. Plan for Supplemental Sampling for the RCRA Facility Investigation at Material Disposal Area H, (LA-UR-01-2516)		1	Channel sediment	HE, PCBs, dioxins, nitrates, perchlorate, TAL metals, cyanide, and radionuclides

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

DM/JH/ev

Cy: M. Backsen, E/ER, MS M992  
P. Bertino, E/ER, MS M992  
J. Canepa, E/ER, MS M992  
D. Hollis, E/ER, MS M992  
J. Hopkins, EES-9, MS M992  
M. Kirsch, E/ER, MS M992  
D. McInroy, E/ER, MS M992  
D. Neleigh, US EPA (2 copies)  
T. Taylor, LAAO, MS A316  
W. Woodworth, LAAO, MS A316

J. Bearzi, NMED-HWB  
M. Coffman, NMED-AIP  
J. Davis, NMED-SWQB  
E. Frank/N. Dhawan, NMED-HWB  
M. Leavitt, NMED-GWQB  
J. Parker, NMED-DOE OB  
S. Yanicak, NMED-DOE OB, MS J993  
J. Young, NMED-HWB (2 copies)  
E/ER File, MS M992  
RPF, MS M707