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Los Alamos National Laboratory

UNIVERSITY OF CALIFORNIA

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HISWA LANL



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

Date: November 26, 2001
Refer to: ER2001-0915

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: NOTIFICATION OF GEOTECHNICAL AND WASTE CHARACTERIZATION SAMPLING AT TECHNICAL AREA 50

Dear Mr. Young:

As discussed during the Los Alamos National Laboratory (LANL) Environmental Restoration (ER) Project/New Mexico Environment Department (NMED) monthly meeting on October 24, 2001, geotechnical and waste characterization samples will be collected to determine the feasibility of constructing a new pump house and influent storage tank vault at TA-50. Mobilization is planned for the week of December 10, 2001 with fieldwork to be complete by December 21, 2001. Sample collection is planned to begin on December 15, 2001. Rick Alexander, TA-50 Radioactive Liquid Waste Treatment Facility (RLWTF) Operations Team Leader, described the project during the August 20, 2001 NMED/ER Project monthly meeting and a project location map was distributed at that time. The purpose of the project is to replace the existing pump house; increase storage capacity; replace transmission piping with double-contained monitored piping; and provide remote monitoring and control for the pump house and tanks at the TA-50 RLWTF.

The purpose of this sampling effort is to assess the geotechnical parameters necessary for design development and to obtain waste characterization information to evaluate disposal options for soils, which might be excavated during construction of the new pump house and influent storage tank vault. Seven boreholes will be advanced in the proposed footprint of the pump house and tank vault and an eighth borehole will be advanced at the proposed location of a new manhole west of the proposed pump house location. A minimum of three samples will be collected at three depths from each borehole. Samples will be collected from two additional depth intervals from borehole location #2 to be located within the boundary of Potential Release Site (PRS) 50-011(a). The potential impacted area from the proposed construction at TA-50 and proposed borehole locations are illustrated on the figure provided as Enclosure 1. The sampling is summarized in the following table, which indicates the minimum number of samples to be collected:

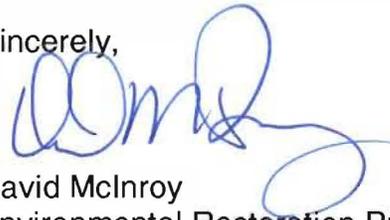


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Plan/Document	Location	Number of Samples	Sample Type	Analyses
1. TA-50 Pump House and Influent Storage Tanks Project Geotechnical Investigation & Waste Characterization Sampling and Analysis Plan	TA-50, PRSs 50-004(c) and 50-011(a)	26	Subsurface soil	VOCs; SVOCs; PCBs/pesticides; TPH; metals; isotopic Am, Pu, and U; Sr-90; and gross alpha, beta and gamma radioactivity

The ER Project will verbally confirm and/or notify NMED Hazardous Waste Bureau staff of any changes to the schedule. 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/PB/ev

Enclosure: Proposed Construction Area and Borehole Locations

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- | | |
|--------------------------------|----------------------------------|
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| J. Hopkins, E/ER, MS M992 | E/ER File, MS M992 |
| D. Neleigh, US EPA (2 copies) | RPF, MS M707 |
| J. Pope, E/ER, MS M992 | |

TA-50 Pump House and Influent Storage Tank Project

