

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: April 12, 2001
Refer to: ER2001-0318



Mr. John Young, Corrective Action Project Leader
Permits Management Program
NMED – Hazardous Waste Bureau
2044 A Galisteo
Santa Fe, NM 87502

**SUBJECT: 10-DAY SAMPLE NOTIFICATION, RFI RESAMPLING ACTIVITIES
AT TA-21 DP TANK FARM**

Dear Mr. Young:

Beginning the week of April 23, 2000, the Los Alamos National Laboratory (LANL) Environmental Restoration (ER) Project is planning to recollect samples from within DP Canyon and the former DP Tank Farm located at Technical Area (TA) 21 in accordance with the "RCRA Facility Investigation Work Plan, Volume II, DP Tank Farm," (LA-UR-98-4169) and the "Request for Supplementary Information (RSI) Response for Technical Area (TA) 21, Resources Conservation and Recovery Act (RCRA) Facility Investigation (RFI) Work Plan, Volume II, DP Tank Farm," (LA-UR-99-6462). In addition, a site visit will be conducted with Vicki Maranville of your staff prior to initiation of the fieldwork to confirm the locations requiring resampling. Immunoassay test kits will be used to guide extent sampling and to reduce the number of samples submitted for fixed-laboratory analysis. A minimum of 20% of the samples analyzed by test kit will be submitted for fixed-laboratory analysis. Additional samples will be submitted if warranted by test kit results. The sampling is summarized in the following table, which indicates the minimum numbers of samples to be submitted for fixed-laboratory analysis:

Plan/Document	Location	Number of Samples ¹	Sample Type	Analyses
RCRA Facility Investigation Work Plan, Volume II, DP Tank Farm, (LA-UR-98-4169), Request for Supplementary Information (RSI) Response for Technical Area (TA) 21, Resources Conservation and Recovery Act (RCRA) Facility Investigation (RFI) Work Plan, Volume II, DP Tank Farm, (LA-UR-99-6462)	TA-21, PRS 21-029, DP Canyon channel	6	DP Canyon sediment	BTEX (Benzene, Toluene, Ethylbenzene, Xylene), TMB (Trimethylbenzene), SVOCs (Semivolatile organic compounds), TPH fingerprinting (total petroleum hydrocarbons segmented into diesel, gasoline, kerosene, ethanol, and Stoddard solvent ranges) ² , Inorganics (TAL metals) ³ , Radionuclides (Isotopic Uranium, Gamma Spec, Tritium), PCBs



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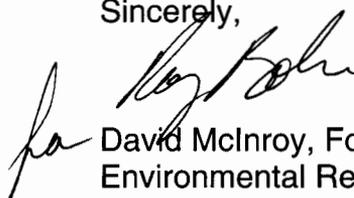
HSWA
LANL
1/1100/21-029

JV

Plan/Document	Location	Number of Samples ¹	Sample Type	Analyses
Request for Supplementary Information (RSI) Response for Technical Area (TA) 21, Resources Conservation and Recovery Act (RCRA) Facility Investigation (RFI) Work Plan, Volume II, DP Tank Farm, (LA-UR-99-6462)	TA-21, PRS 21-029, DP Canyon/ mesa top, including fill ports, storm drains, sheen area, and below Verde Ridge parking area	15	Shallow subsurface soil and/or tuff, obtained using a hand auger.	BTEX (Benzene, Toluene, Ethylbenzene, Xylene), TMB (Trimethylbenzene), SVOCs (Semivolatile organic compounds), TPH fingerprinting (total petroleum hydrocarbons segmented into diesel, gasoline, kerosene, ethanol, and Stoddard solvent ranges) ³ , Inorganics (TAL metals) ³
Request for Supplementary Information (RSI) Response for Technical Area (TA) 21, Resources Conservation and Recovery Act (RCRA) Facility Investigation (RFI) Work Plan, Volume II, DP Tank Farm, (LA-UR-99-6462)	TA-21, PRS 21-029, DP Canyon/ mesatop, including the mesa top north of fence, tanks, valve boxes, and West Fill Station	20	Subsurface tuff, obtained using a drill rig.	BTEX (Benzene, Toluene, Ethylbenzene, Xylene), TMB (Trimethylbenzene), SVOCs (Semivolatile organic compounds), TPH fingerprinting (total petroleum hydrocarbons segmented into diesel, gasoline, kerosene, ethanol, and Stoddard solvent ranges) ³ , Inorganics (TAL metals) ³ , Radionuclides (Isotopic Uranium, Gamma Spec, Tritium) ⁴ .
<p>¹ Sample numbers based on minimum of one sample for each hand auger or sediment sampling location, two samples from each borehole.</p> <p>² Hydrocarbon fingerprinting will be requested for the sediment sample furthest downstream and all other samples with positive field results for TPH.</p> <p>³ Lead is the only metal of concern; only lead results will be reported.</p> <p>⁴ Radionuclides will be evaluated in a single borehole sample, from the bottom of the West Fill Station borehole.</p>				

If you have any questions or concerns please feel free to give me a call at (505) 665-4557.

Sincerely,



David McInroy, Focus Area Leader
Environmental Restoration Project

JC/DM/PB/eim

Cy (w/enc.):

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J. Young, NMED-HWB (2 copies)
RPF, MS M707

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E/ER File, MS M992