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Environmental Restoration

Environmental Restoration Project
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Date: August 28, 1998
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RECEIVED 1998

HSWA LANL 1/1106/21

Mr. Benito Garcia
NMED-HRMB
P.O. Box 26110
Santa Fe, NM 87502

SUBJECT: PHASE II RFI INVESTIGATION TA-21 MDA U

Dear Mr. Garcia:

The Material Disposal Area (MDA) Focus Area is planning a Phase II Resource Conservation Recovery Act facility investigation of MDA U at TA-21 Potential Release Site 21-017 (a, b and c). Field activities will consist of geodetic surveying, drilling, excavating, and surface/subsurface sampling. Approximately 20 surface samples will be collected around MDA U to fill in data gaps from previous investigations. Approximately 7 vertical boreholes will be drilled to collect samples from beneath and adjacent to MDA U. One end of each absorption bed will be opened with a backhoe to determine the amount of residual material in the beds. The rinds on the cobbles at the base of the absorption beds will also be sampled. A paleochannel that daylights in a small side tributary to DP Canyon will be sampled to determine the potential for the paleochannel to be a transport mechanism. The drilling and surface sampling activities are scheduled to begin on September 11, 1998.

Samples will be collected as shown in the table below.

SAMPLING INFORMATION

Location	Number of Samples	Sample Type	Analyses
Surface samples	21	Sediment/ tuff	Radiation Screening Laboratory: gross alpha/beta/gamma. Fixed Laboratory: PCBs, isotopic uranium, gamma spectroscopy (Actinium daughter products)

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Boreholes	60	tuff	Radiation Screening Laboratory: gross alpha/beta/gamma, tritium and moisture content. Fixed Laboratory: gamma spectroscopy (Cesium-137), isotopic plutonium, isotopic americium, isotopic uranium, tritium and moisture, strontium-90, VOCs (only 42 samples), SVOCs, TAL metals, and PCBs (only 14 samples)
Cobble Samples	4	Coating from cobbles	Radiation Screening Laboratory: gross alpha/beta/gamma, tritium and moisture content. Fixed Laboratory: gamma spectroscopy (Cesium-137), gamma spectroscopy (Actinium daughter products), isotopic plutonium, isotopic americium, isotopic uranium, tritium and moisture, and strontium-90.
Paleochannel	2	Sediment	Radiation Screening Laboratory: gross alpha/beta/gamma, tritium and moisture content. Fixed Laboratory: gamma spectroscopy (Cesium-137), isotopic plutonium, isotopic americium, isotopic uranium, tritium and moisture, strontium-90, and TAL metals.

If you have any questions or concerns please call me at (505) 667-0819.

Sincerely,

for

David McInroy
Environmental Restoration Project

DM/JW/dm

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