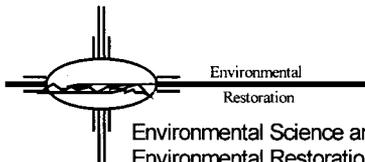


Los Alamos National Laboratory

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: February 2, 2000
Refer to: E/ER:00-034



Mr. John Kieling
NMED-HRMB
P.O. Box 26610
Santa Fe, NM 87502

**SUBJECT: GROUNDWATER INVESTIGATIONS FOCUS AREA PHASE 1
DRILLING ACTIVITIES AT R-7**

Dear Mr. Kieling:

The Groundwater Investigations Focus Area will begin Phase I drilling of the borehole for installation of a deep (1480 feet) regional groundwater characterization well, R-7, in upper Los Alamos Canyon. Phase 1 drilling is scheduled to begin on or about February 14, 2000 through approximately February 17, 2000. Phase I drilling will be completed to a depth of approximately 60 feet, depending on geology and surface casing will be installed. This well is being installed as part of the Laboratory's Hydrogeologic Work Plan.

Samples will be collected based on field screening or visual evidence of contamination as shown in the table enclosed. If you have any questions, please feel free to call me at (505) 667-0819.

Sincerely,

A handwritten signature in black ink, appearing to read "Dave McInroy".

Dave McInroy
Environmental Restoration

DM/RB/ev



7478

Enclosure: Phase 1 Drilling Activities at R-7

Cy (w/enc.):

R. Bohn, E/ER, MS M992
S. Bolivar, EES-13, MS H865
D. Broxton, EES-1, MS M992
M. Buksa, E/ET, MS M992
D. Daymon, EES-13, MS M992
J. Mose, LAAO, MS A316
S. Rae, ESH-18, MS K497
T. Taylor, LAAO, MS A316
G. Turner, LAAO, MS A316
J. Bearzi, NMED-HRMB
J. Parker, NMED-AIP
S. Yanicak, NMED-AIP, MS J993
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RPF, (ER Catalog # 20000052), MS M707

Cy (w/o enc.):

J. Canepa, E/ER, MS M992
G. Coffin, E/ER, MS M992
D. McInroy, E/ER, MS M992
P. Schumann, ESH-19, MS M992
D. Stevens, MK/PMC, MS M327

PHASE 1 DRILLING ACTIVITIES AT R-7

Plan/ Document	Location	Number of Samples	Sample Type	Analyses
Hydrogeologic Work Plan LAAME:6 BK-010 ESH-18/WQ& H-97-0014	Well R-7	TBD	Core (Contaminants and Geo- chemical)	Inorganics (Full Suite plus additional) Anions VOCs (based on field screening) SVOCs (based on field screening) HE Gross Radiological Screening Radionuclides ^3H , ^{90}Sr , ^{241}Am , ^{234}U , ^{235}U , ^{236}U , ^{238}U , ^{238}Pu , and $^{239/240}\text{Pu}$
	Well R-7	TBD	Core (Geotechnical)	Selected core samples will be analyzed for some or all of the following: Particle size and texture (<2mm) In-Situ Water Content Porosity (<2mm) Particle Density (<2mm) Bulk Density Sat. Hydraulic Conductivity by Air and Water Water Retention Curve
	Well R-7	TBD	Core (Geologic)	Mineralogy (as needed) Modal Petrography (as needed) XRF/XRD (as needed)

*TBD=To be determined