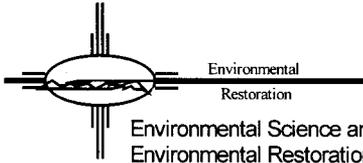


Los Alamos National Laboratory

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: January 4, 2000
Refer to: E/ER:99-352



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

SUBJECT: CANYON FOCUS AREA PHASE 2 DRILLING ACTIVITIES AT R-31 IN NORTH ANCHO CANYON

Dear Mr. Kieling:

Canyon Focus Area will begin Phase 2 drilling of the borehole for installation of a deep (1260 feet) regional groundwater characterization well, R-31, in North Ancho Canyon. Phase 2 activity is scheduled to begin on or about January 14, 2000. Phase 1 drilling was completed to a depth of approximately 125 feet in September of 1999. This well is being installed as part of the Laboratory's Hydrogeologic Work Plan.

Samples will be collected as shown in the table enclosed. If you have any questions, please feel free to call me at (505) 667-0819.

Sincerely,

Dave McInroy
Environmental Restoration

DM/RB/ev

Enclosure: Phase 2 Drilling Activities at R-31, North Ancho Canyon



Hswa LANL
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TV

Mr. John Kieling
E/ER:99-352

-2-

January 4, 2000

Cy (w/enc.):

M. Buksa, E/ET, MS M992
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D. Neleigh, US EPA
T. Taylor, LAAO, MS A316
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A. Pratt, EES-13, MS M992
E/ER File, MS M992

PHASE 2 DRILLING ACTIVITIES AT R-31

Plan/ Document	Location	Number of Samples	Sample Type	Analyses
Hydrogeologic Work Plan LAAME:6 BK-010 ESH-18/WQ& H-97-0014	Well R-31	5	Core (Contaminants and Geo- chemical)	Gross Radiological Screening Radionuclides ^3H , ^{90}Sr , ^{241}Am , ^{234}U , ^{235}U , ^{238}U , ^{238}Pu , and $^{239/240}\text{Pu}$ Inorganics (Full Suite plus additional) Anions VOCs (based on field screening) SVOCs (based on field screening) HE
	Well R-31	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-31	TBD	Core (Hydrologic)	Stable Isotopes Unsaturated Flow Apparatus Low level tritium
	Well R-31	TBD	Core (Geologic)	Mineralogy (as needed) Modal Petrography (as needed) XRF/XRD (as needed)
	Well R-31	2	Groundwater	Major Cations and Anions (dissolved) Trace Elements and Metals (dissolved) Trace Elements and Metals (total) Nutrients-Nitrogen Species (dissolved) Radionuclides (dissolved) Radionuclides (total) Stable Isotopes Tritium Tritium (low level) Dissolved Organic Carbon Total Organic Carbon VOCs SVOCs Other Inorganics HE

*TBD=To be determined