

TA 36

# Los Alamos National Laboratory

UNIVERSITY OF CALIFORNIA



Environmental Science and Waste Technology (E)  
Environmental Restoration, MS M992  
Los Alamos, New Mexico 87545  
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Date: December 8, 1999  
Refer to: E/ER:99-358

File



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

**SUBJECT: CANYON FOCUS AREA PHASE 1 DRILLING ACTIVITIES AT R-19**

Dear Mr. Kieling:

The Canyon Focus Area will begin Phase I drilling of the borehole for installation of a deep (1950 feet) regional groundwater characterization well, R-19, in Technical Area (TA)-36. Phase 1 drilling is scheduled to begin on or about December 18, 1999 through approximately January 15, 2000. Phase I drilling will be completed to a depth of approximately 100-200 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,

Dave McInroy  
Environmental Restoration

DM/RB/ev

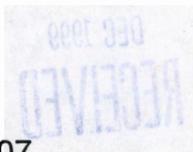
Enclosure: Phase 1 Drilling Activities at R-19



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## PHASE 1 DRILLING ACTIVITIES AT R-19

Plan/ Document	Location	Number of Samples	Sample Type	Analyses
Hydrogeologic Work Plan  LAAME:6 BK-010  ESH-18/WQ& H-97-0014	Well R-19	TBD	Core  (Contaminants and Geo- chemical)	Inorganics (Full Suite plus additional)  Anions  VOCs (based on field screening) SVOCs (based on field screening) HE
	Well R-19	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-19	TBD	Core  (Geologic)	Mineralogy (as needed)  Modal Petrography (as needed) XRF/XRD (as needed)

\*TBD=To be determined