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ENVIRONMENT DEPARTMENT
DOE OVERSIGHT BUREAU
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MARK E. WEIDLER
SECRETARY

LANL
TAs (3, 35, and 54)

August 11, 1997

RECEIVED

AUG 12 1997

DOE OVERSIGHT BUREAU

Mat Johansen, DOE/AIP/POC
Department of Energy
Los Alamos Area Office
528 35th Street
MS A316
Los Alamos, NM 87544

RE: Proposed Storm Water Sampling in Sandia, Pratt, Pajarito and Canada del Buey
Canyons (Technical Areas 3, 35, and 54)

Dear Mr. Johansen:

The DOE Oversight Bureau (DOE OB) plans to temporarily install ISCO automatic-water samplers in Sandia, Pratt, Pajarito and Canada del Buey Canyons located within the boundaries of old Operable Units 1114, 1129 and 1148 respectively, to collect storm water samples. Approximately one to three storm events may be sampled in 1997. This letter serves as a notification of DOE OB's intent to sample.

The DOE OB employs a LANL section staff that are all "Q" cleared and meet or exceed the qualifications of the LANL ER training matrix conducted by the ESH-13 group in White Rock. In addition, the DOE OB would like to schedule any site-specific safety training that may be required at TAs 54 and 35, and arrange for a site visit to determine appropriate locations to deploy the samplers.

Sampling Procedures:

Timed or flow weighted grab samples will be collected to correlate with the rising leg or "first flush" according to the storm event hydrograph. Sufficient water will be collected to run the following analyses while archiving sufficient sample volume to conduct radio-isotopic analyses if initial gross alpha or gross beta results are elevated.



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Sample analyses:

A substantial portion of the sample volume will be filtered through a 0.45 micron filter, and may be analyzed for dissolved metals, (dissolved) total uranium, and dissolved gross alpha/beta.

Unfiltered samples may be analyzed for total mercury, total high explosives, and total PCBs. Total Suspended Solids (TSS) along with grain-size analysis may be performed.

The filter residue and suspended sediment will be treated as a soil/sediment sample and analyzed for lead, beryllium, chromium, copper, barium, mercury, total uranium and gross alpha/beta.

Please contact Ralph Ford-Schmid at 827-1536 or Michael Dale at 672-0449 if you have any questions regarding this matter.

Sincerely,



Steve Yanicak, LANL POC
Department of Energy Oversight Bureau

SY:dee

cc: John Parker, NMED, Chief, DOE OB
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