

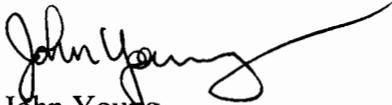
Dr. John Browne and Mr. Mat Johansen

December 13, 2001

Page 2

LANL must respond to this Request for Supplemental Information within thirty (30) working days of receipt of this letter. If you have any questions, please do not hesitate to contact me at (505) 428-2538.

Sincerely,



John Young

LANL Corrective Action Project Leader
Permits Management Program

JRY

cc:

J. Kieling, NMED HWB
J. Davis, NMED SWQB
J. Parker, NMED DOE OB
S. Yanicak, NMED DOE OB, MS J993
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J. Vozella, DOE LAAO, MS A316
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File: Reading and HSWA LANL 1/1078/1-002

Request for Supplemental Information Interim Action for South Fork of Acid Canyon

General Comments

1. LANL should include *all* sampling data acquired since the IA Plan was submitted to the NMED within the IA Report. Include discussions of the additional field alpha screening criteria that had not been discussed in the IA Plan.
2. ACS 77 could not be found on the map provided in the IA Plan. Within the IA Report to be submitted, please provide a revised "before" map with any necessary correction(s) and also provide a map indicating the sediment packages removed or remaining. In the IA Report, LANL should also update the list of the sediment packages removed.
3. Although the primary risk driver in Acid Canyon is plutonium, include in the IA Report a more detailed discussion on the other radionuclide and RCRA contaminants found in Acid Canyon and how the proposed cleanup impacted those contaminants. PCB contamination should also be included in the discussion.
4. LANL should verify the effectiveness of the cleanup using the maximum concentrations obtained during confirmatory sampling, or collect enough confirmatory samples to calculate the 95% upper confidence limit of the mean concentration rather than using the area-weighted average concentrations/activities for sediment packages.

Specific Comments

5. *Page 1, Section 1.1: Purpose and Scope*

The NMED only considers risk, not dose. Also, this Interim Action Plan not only covers recreational user scenario, but also includes an extended backyard scenario.

6. *Page 6, Section 4.2: Supplemental Data Collection*

This section reads as if field screening alone will be used for confirmatory sampling. Please clarify.

7. *Page 6, Section 4.3: Cleanup Activities*

LANL should include a discussion of sediment erosion and migration controls that were implemented during the course of remediation activities. A more detailed discussion may be incorporated into the IA Report for Acid Canyon.

8. *Page 8, Section 5.0: Confirmatory Sampling*

As alpha spectroscopy is more sensitive methodology than gamma spectroscopy for isotopic americium analyses, LANL should utilize alpha spectroscopy.

9. *Page C-6, Appendix C: Field and Fixed Laboratory Data*

LANL should provide a discussion regarding the rationale for the natural logarithm transformation of the data presented. Otherwise, LANL should utilize the non-transformed linear regression of the data to determine the alpha screening level.