

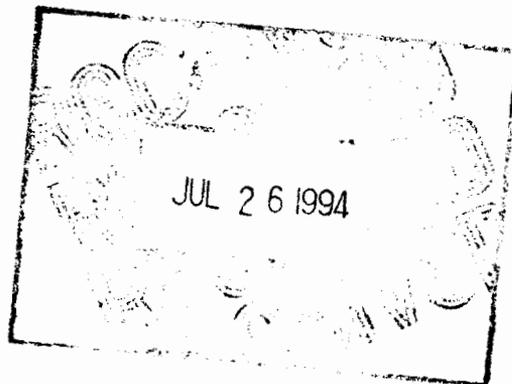


UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6
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DALLAS, TX 75202-2733

*Barbara ✓
Ron ✓
Teri D ✓*

JUL 19 1994



Mr. Joseph C. Vozella, Chief
Environment, Safety and Health Branch
Department of Energy
Los Alamos Field Office
Los Alamos, NM 87544

Dear Mr. Vozella:

The Environmental Protection Agency (EPA) completed a Comprehensive Ground Water Monitoring Evaluation Report in March 1993, for Los Alamos National Laboratory (LANL) which made several recommendations related to the ground water monitoring program at LANL. Several of the recommendations made in the report pertain to requirements already existing under the HSWA portion of the RCRA permit. EPA is requiring LANL to complete the following subset of recommendations now:

1. The ground water flow direction of the main aquifer and perched intermediate aquifer, as influenced by the numerous production wells in the LANL area, have not been completely determined. LANL shall produce ground water potentiometric maps which depict the actual conditions at the facility.
2. Special permit condition C of the HSWA portion of the RCRA permit required the installation and sampling of ground water monitoring wells in the Los Alamos Canyon shallow alluvium. As per the permit, the new wells were installed and sampled once in 1990. Preliminary results from the one sampling event seem to indicate that there are increases in concentrations of constituents in the ground water in the new HSWA ground water monitoring wells when compared to the old LAO-series wells. Additional sampling events should be conducted in both series of wells, so that a statistical comparison can be performed.

LANL HSWA DEPT
LANL KFO 146

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LANL shall provide a schedule for completing these required events by August 19, 1994. All sampling events should be initiated within 60 days after receipt of this letter. Should you have any questions, please contact Barbara Driscoll at (214) 655-7441, and after August 1, 1994 at (214) 665-7441.

Sincerely,



William K. Honker, P.E., Chief
RCRA Permits Branch

cc: Mr. Benito Garcia, Bureau Chief
Hazardous and Radioactive Materials Bureau
New Mexico Environment Department

Mr. Jorg Jansen, Program Manager
Environmental Restoration Program
Los Alamos National Laboratory, M992