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November 15, 1982

Mr. Seth Coplan
Nuclear Regulatory Commission
Mail Stop 697-SS
Washington, D.C. 20555

PDR
LPDR B.N.S

Dear Seth,

Attached please find the October Project Status Reports for the Lawrence Berkeley Laboratory's Nuclear Regulatory Commission sponsored programs, FIN B-3109-0 and FIN B-3040-0.

Very truly yours,

Bill Stromdahl
Program Manager

BS:rmr

Attachment

cc: J. Martin/NRC
H. Miller/NRC

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PDR WMRES EXILBL
B-3040-0 PDR

MONTHLY STATUS REPORT

November 15, 1982
Report Period: 1 October -
30 October

NRC TECHNICAL ASSISTANCE - FIN B-3109-0

Task I. Plans for Site Characterization

Technical editing of LBL's final report, "Selected Hydrological and Geochemical Issues in Site Characterization for Nuclear Waste Disposal: Flood Basalts at the Hanford Reservation" was initiated during October and completed early this month. Camera ready copy of this report (NUREG/CR-2983) has been delivered to NRC.

Task II. Geochemistry Research Planning

The final version of the letter report, "Diffusional Transport of Radioactive Solutes and Colloids Through a Non-Sorbing Barrier in Spherical Geometry" has been delivered to NRC.

Technical editing of LBL's final report, "Status of Geochemical Problems Relating to the Burial of High Level Radioactive Waste, 1982" (NUREG/CR-3062) has been initiated at LBL. The completion of camera ready copy of this report is estimated to be the middle of December.

LBL/NRC review and revision is in process relating to the technical content of the draft letter report, "Geochemistry Research Planning for Underground Storage of High Level Nuclear Waste." Due to the priority of completing NUREG/CR-3062, further work on this draft letter report will be subject to author and editor availability.

Task III. Engineered Barrier Rationale

The two letter reports, "Engineered Barriers: Chemical Aspects" and "Engineered Barriers: Solute Transport Calculations to Measure Barrier Effectiveness" will be available to NRC late this month or in early December.

Task IV Alternate Geologic Environments

Agreement as to technical content of the draft report, "An Appraisal of Nuclear Waste Isolation in the Vadose Zone in Arid and Semi-Arid Regions" was reached during October. This report has been placed in the technical editing queue.

Task V. Optimization in Surface Cooling

NUREG/CR-2910 has been delivered to NRC.

NRC GEOCHEMICAL ASSESSMENT - FIN B-3040-0

The month of October was spent in response to NRC requests for substantial technical and programmatic revisions to the statement of work.