



Department of Energy

Washington, DC 20585

MAY 20 1994

Mr. Joseph J. Holonich, Director
Repository Licensing & Quality Assurance
Project Directorate
Division of High-Level Waste Management
Office of Nuclear Material Safety
and Safeguards
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Mr. Holonich:

Enclosed with this letter is a controlled copy of Study Plan 8.3.1.3.1.1, Revision 0, "Groundwater Chemistry Model," prepared by the U.S. Department of Energy for the Yucca Mountain site. The study plan numbers correspond to the same numbers used in the Site Characterization Plan for the Yucca Mountain site.

Study plans are prepared, reviewed, and approved under Yucca Mountain Site Characterization Office quality assurance procedures. It should be noted that there may be some inconsistencies in the milestone report titles and schedules given in this study plan and those in the Site Characterization Plan. Study plans, in general, represent a further evolution of the study in the areas related to schedules and milestones relative to the Site Characterization Plan and, as such, represent the Department's current plans.

This study plan was submitted to the Yucca Mountain Site Characterization Office for review before the U.S. Department of Energy/U.S. Nuclear Regulatory Commission study plan agreement became effective. Therefore, the Department has reviewed the study plan for consistency with the content requirements for study plans, as given in Attachment B to the Summary of the U.S. Department of Energy/U.S. Nuclear Regulatory Commission meeting on the Level-of-Detail for the Site Characterization Plan (May 7-8, 1986).

The Department did not identify any site characterization analysis open items related to this study plan. Enclosure 2 is a list of approved technical procedures that will be used in conjunction with this study plan.

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The Document Transmittal/Acknowledgement Record for your controlled copy of the study plan should be signed and dated and returned to the Document Control Center in Las Vegas, Nevada.

If you have any questions, please contact Sheila V. Long at (202) 586-1447.

Sincerely,



Dwight E. Shelor
Associate Director for
Systems and Compliance
Office of Civilian Radioactive
Waste Management

Enclosures:

1. Study Plan 8.3.1.3.1.1,
Revision 0
2. Technical Procedures

cc: w\enclosures

Alice Cortinas, CNWRA, San Antonio, TX

cc: w\enclosure 2

R. Nelson, YMSCO
T. J. Hickey, Nevada Legislative Committee
R. Loux, State of Nevada
D. Bechtel, Las Vegas, NV
Eureka County, NV
Lander County, Battle Mountain, NV
P. Niedzielski-Eichner, Nye County, NV
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