



**Department of Energy**

Washington, DC 20585

SEP 17 1993

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, D.C. 20555

Dear Mr. Holonich:

Enclosed with this letter is a controlled copy of Study Plan 8.3.1.3.5.1 and 8.3.1.3.5.2, Revision 0, "Dissolved Species Concentration Limits and Colloid Behavior," at enclosure 1, prepared by the U. S. Department of Energy (DOE) for the Yucca Mountain site. The study plan numbers correspond to the same numbers used in the Site Characterization Plan (SCP) for the Yucca Mountain site.

Study plans are prepared, reviewed, and approved under Yucca Mountain Site Characterization Project Office (YMPO) quality assurance procedures.

This study plan was submitted to YMPO for review before the 1993 DOE/U.S. Nuclear Regulatory Commission (NRC) study plan agreement became effective. Therefore, DOE has reviewed the study plan for consistency with the content requirements for study plans, as given in Attachment B to the Summary of the DOE/NRC meeting on the Level-of-Detail for the SCP (May 7-8, 1986). A list of technical procedures to be used in conjunction with this study plan is at enclosure 2.

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 SCP. Study plans, in general, represent a further evolution of the study in the areas related to schedules and milestones relative to the SCP, and as such, represent DOE's current plans.

Enclosure 3 provides a discussion of how Site Characterization Analysis Open Comment 96, which was directed to SCP Studies 8.3.1.3.5.1 and 8.3.1.3.5.2, is addressed in this study plan.

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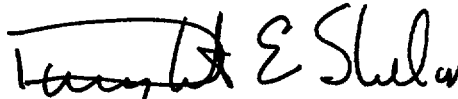
PDR



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 Ms. Sheila 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 8.3.1.3.5.1 and 8.3.1.3.5.2,  
Revision 0
2. List of Technical Procedures
3. SCA Open Item

cc: w\enclosures

Alice Cortinas, CNWRA, San Antonio, TX

cc: w/enclosure 2 & 3

- C. Gertz, YMPO
- 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
- W. Offutt, Nye County, NV
- L. Bradshaw, Nye County, NV
- C. Schank, Churchill County, NV
- F. Mariani, White Pine County, NV
- V. Poe, Mineral County, NV
- J. Pitts, Lincoln County, NV
- J. Hayes, Esmeralda County, NV
- B. Mettam, Inyo County, CA
- C. Abrams, NRC