



Department of Energy

Washington, DC 20585

FEB 18 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
8.3.1.2.2.2, Revision 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.

Number Title
8.3.1.2.2.2, R1 "Water Movement Test"

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/U.S. Nuclear Regulatory Commission (NRC)
meeting on the Level-of-Detail for the SCP (May 7-8, 1986). DOE
is submitting this plan to NRC as agreed to in the meeting.

As discussed during the DOE/NRC meeting (December 15, 1988) on
study plans, DOE has decided to control preparation and review of
study plans as a quality activity. This study plan was reviewed
under current Yucca Mountain Site Characterization Project Office
(YMPO) quality assurance (QA) procedures.

It should also 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.

Revision 1 of Study Plan 8.3.1.2.2.2 represents a thorough
revision that updates the plan and takes into account DOE's
current Exploratory Studies Facility (ESF) design configuration.
The initial phase of ESF construction for the underground
workings is expected to begin April 1993, but sampling for this
study in the ESF will not start immediately. Therefore, DOE is
requesting that the NRC advise DOE of the results of its Phase I

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review within 90 days after this plan is received by NRC.

DOE did not identify any Site Characterization Analysis open items related to this study plan.

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 Mr. Chris Einberg of my office at 202-586-8869.

Sincerely,



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

Enclosure:
Study Plan 8.3.1.2.2.2,
Revision 1

in the shelf

cc: w\enclosure
Alice Cortinas, CNWRA, San Antonio, TX

cc:
C. Gertz, YMPO
T. J. Hickey, Nevada Legislative Committee
R. Loux, State of Nevada
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