



Department of Energy  
Washington, DC 20585

MAR 05 1991

Mr. John J. Linehan  
Deputy Director  
Division of High-Level  
Waste Management  
Office of Nuclear Material Safety  
and Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Dear Mr. Linehan:

In October 1990, the Yucca Mountain Site Characterization Project Office (YMPO) sent to your office a set of three controlled copies of a study plan prepared by the U.S. Department of Energy (DOE) for the Yucca Mountain Site.

Since the study plan was not sent through this office, it is not considered an official transmission. This office has now received confirmation that YMPO wishes the study plan indicated below to be officially transmitted. This office requests that NRC consider the copies of the study plan, received in October 1990, to be officially transmitted by the DOE as of the date of this letter. The study plan numbers correspond to the same numbers used in the Site Characterization Plan (SCP) for the Yucca Mountain Site. The study plan is identified as follows:

<u>Number</u>	<u>Title</u>
8.3.1.8.1.1, Revision 0	Study Plan for Probability of Magmatic Disruption of the Repository

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/Nuclear Regulatory Commission (NRC) meeting on the Level-of-Detail for the SCP (May 7-8, 1986). DOE is submitting these plans 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 Project Office and DOE Headquarters Quality Assurance (QA) procedures.

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Please note that the Quality Assurance Level Assignments (QALAs) for the activities to be performed under this study plan are included as part of a QA appendix to the study plans. These QALAs were included in the study plans to satisfy the May 7-8, 1986, Level-of-Detail Agreement for content of study plans. As you are aware, DOE is currently in the process of implementing QA procedures that are consistent with approved Office of Civilian Radioactive Waste Management QA requirements and NUREG 1318. Following the implementation of these procedures, DOE will reevaluate existing QALAs as appropriate. All study plans will be distributed as controlled documents, and, as such, any revision to the study plans and appended QALAs lists will be distributed as controlled documents.

It should also be noted that there are 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. Schedule changes will be tracked in the site characterization progress reports.

Should you have any questions, please contact Sharon Skuchko of my office at (202) 586-4590.

Sincerely,



Linda J. Desell, Acting Chief  
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