



Department of Energy
Washington, DC 20585

OCT 11 1990

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

Dear Mr. Linehan:

Enclosed with this letter are controlled copies of study plan 8.3.1.16.1.1, prepared by the U. S. Department of Energy (DOE) for the Yucca Mountain Site. The study plan number corresponds to the same number used in the Site Characterization Plan (SCP) for the Yucca Mountain Site.

<u>Number</u>	<u>Title</u>
8.3.1.16.1.1, Revision 0	Characterization of Flood Potential and Debris Hazards of the Yucca Mountain Site

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 this plan to NRC as agreed to in that 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 Assurance activity. This study plan was reviewed under current Yucca Mountain Project Office and DOE/HQ, Quality Assurance procedures.

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 OCRWM 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 QALA lists will be distributed as controlled documents.

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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.

If you have any questions, please contact either Sharon Skuchko of my staff at (202) 586-4590 or David C. Dobson of the Yucca Mountain Project Office at (702) 794-7940 or FTS 544-7940.

Sincerely,



Linda J. Desell
Acting Branch Chief
Regulatory Integration Branch
Office of Systems and Compliance
Office of Civilian Radioactive
Waste Management

Enclosure:

Study Plan 8.3.1.16.1.1 - Characterization of the Flood Potential and Debris Hazards of the Yucca Mountain Site (3 copies for controlled distribution to J. Linehan, N. K. Stablein, and A. Ramose)

cc w/enclosure: *OK like Shuff*
K. Stablein, NRC
J. Linehan, NRC
A. Ramose, CNWRA

cc w/o enclosure - study plan to be sent by YMPO
R. Loux, State of Nevada
M. Baughman, Lincoln County, NV
D. Bechtel, Clark County, NV
S. Bradhurst, Nye County, NV