



Department of Energy

Washington, DC 20585

MAY 15 1990

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John Linehan  
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 8.3.1.8.5.1, 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.

Number

Title

8.3.1.8.5.1, Revision 0

Characterization of Volcanic Features

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 (QA) Level 1 activity. This study plan was reviewed under current Project Office and DOE/HQ, QA Level 1 procedures.

Please note that the Quality Assurance Level Assignments (QALA) 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 NNWSI QAP 88-9, Rev. 2 and NUREG 1318. Following the implementation of these procedures, DOE will reevaluate existing QALA's 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 Jane Stockey of my staff at 586-4590.

Sincerely,



Linda Desell  
Licensing Branch  
Office for Integration  
and Regulations

Enclosures:

- 1) Study Plan 8.3.1.8.5.1 - Characterization of Volcanic Features (copies for controlled distribution to J. Linehan, K. Stablein and A. Ramose)
- 2) Study Plan Assessment for 8.3.1.8.5.1: Characterization of Volcanic Features (copies to J. Linehan, K. Stablein, and A. Ramose)

cc w/enclosure:  
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. Betchel, Clark County, NV  
S. Bradhurst, Nye County, NV

ENCLOSURE 2