



Department of Energy  
Washington, DC 20585

JUN 21 1991

Mr. John J. Linehan, Acting Director  
Repository Licensing and Quality  
Assurance Project Directorate  
Division of High-Level Waste Management  
Office of Nuclear Material Safety  
and Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Dear Mr. Linehan:

Enclosed with this letter is a controlled copy of Revision 1 of Study Plan 8.3.1.8.1.1, 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. The revised study plan is identified as follows:

<u>Number</u>	<u>Title</u>
8.3.1.8.1.1, Revision 1	Probability of Magmatic Disruption of the Repository

The revised Study Plan is an update to the previously reviewed and approved Study Plan. Delivery of this Study Plan revision keeps the U.S. Nuclear Regulatory Commission (NRC) informed of changes to DOE's planned site characterization program.

DOE has reviewed this Study Plan revision for consistency with applicable DOE/NRC agreements and the Site Characterization Program Baseline (SCP). Changes to study plans can be made below the level-of-detail controlled by the SCP, and there may not be a change to the SCP that corresponds with this Study Plan revision. DOE is submitting these revisions to NRC as agreed to in the meeting of May 7-8, 1986, on the level-of-detail for the SCP.

As discussed during the DOE/NRC meeting (December 15, 1988) on study plans, DOE has decided to control preparation and review of study plans and their subsequent revisions as a quality activity.

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To satisfy the May 7-8, 1986, agreement to provide specific quality assurance (QA) requirements, current study plans and their revisions indicate that applicable QA criteria will be specified in Yucca Mountain Site Characterization Project QA Grading Reports, which are issued as separate controlled documents.

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

Sincerely,

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

Enclosure:

Study Plan 8.3.1.8.1.1, Revision 1, "Probability of Magmatic Disruption of the Repository"

cc w/Enclosure:

Arturo Ramose, CNWRA, San Antonio, TX

cc w/o Enclosure:

C. Gertz, YMPO  
 R. Loux, State of Nevada  
 K. Whipple, Lincoln County, NV  
 M. Baughman, Lincoln County, NV  
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TMSS/029/2  
01/16/91  
Revision No.: 1

**TECHNICAL & MANAGEMENT SUPPORT SERVICES  
DOCUMENT TRANSMITTAL/ACKNOWLEDGMENT RECORD**

WBS: 1.2.9  
QA: N/A  
Page 1 of 1

TO:  
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DOCUMENT TITLE: PROBABILITY OF MAGMATIC DISRUPTION OF THE REPOSITORY

DOCUMENT REVISION: 1 DOCUMENT IDENTIFICATION NUMBER: 8.3.1.8.1.1

**DIRECTIONS**

REPLACE: Front Cover, Rev. 0, with Front Cover, Rev. 1.

REPLACE: Study Plan Approval Form, Rev. 0 effective  
09/20/90, with Approval Form effective 05/22/91.

REPLACE: Pages 30 and 31 of 52, Rev. 0 with  
Pages 30 and 31 of 52, Rev. 1.

REPLACE: Appendix A, Rev. 0, Pages 1-9 with  
Appendix A, Rev. 1, Pages 1-5.

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