



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 (SCPB). Changes to study plans can be made below the level-of-detail controlled by the SCPB, and there may not be a change to the SCPB 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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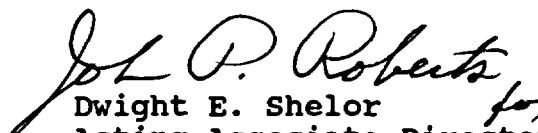
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To satisfy the May 7-8, 1986, agreement to provide specific quality assurance (QA) requirements, current study plans and their revisions indicate that applicable QA criteria will be specified in Yucca Mountain Site Characterization Project QA Grading 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
J. Bingham, Clark County, NV
D. Bechtel, Clark County, NV
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K. Hooks, NRC

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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NRC/WASHINGTON

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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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