



Department of Energy
 Office of Civilian Radioactive Waste Management
 Yucca Mountain Site Characterization Office
 P.O. Box 98608
 Las Vegas, NV 89193-8608

SEP 27 1996

OVERNIGHT MAIL

M. J. Bell, Chief
 Engineering and Geosciences Branch
 Division of Waste Management
 Office of Nuclear Material Safety
 and Safeguards
 U.S. Nuclear Regulatory Commission
 Washington, DC 20555

**TRANSMITTAL OF APPROVED YUCCA MOUNTAIN STUDY PLAN 8.3.1.4.2.3,
 "THREE-DIMENSIONAL GEOLOGIC MODEL," REVISION 0, AND RESOLUTION
 OF SITE CHARACTERIZATION ANALYSIS COMMENT 33**

Enclosed is a managed copy of Study Plan 8.3.1.4.2.3, Revision 0, prepared by the U.S. Department of Energy (DOE) for the Yucca Mountain, Nevada, site (enclosure 1). The study plan number corresponds to the same numbers used in the Site Characterization Plan (SCP) for the Yucca Mountain, Nevada, site.

Study plans are prepared, reviewed, and approved under Yucca Mountain Site Characterization Office quality assurance procedures. It should be noted that there may be 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.

DOE has reviewed the study plan for consistency with the content requirements for study plans, as given in Attachment 1 to the 1993 DOE/U.S. Nuclear Regulatory Commission (NRC). There is one Site Characterization Analysis open item (Comment 33) associated with the issuance of this study plan (enclosure 2). One other study plan mentioned in the initial NRC Evaluation of DOE's response to Comment 33, Study Plan 8.3.1.4.3.1, Revision 1, "Systematic Acquisition of Site-Specific Subsurface Information," was approved and submitted to you on January 11, 1993. Closure of this open item was to be dependent on the submittal of these two study plans that explain how rock unit geometry and properties, discontinuity geometry and properties, and geologic framework will be integrated in the three dimensional geologic model. Therefore, DOE hereby requests that this SCA open item be closed.

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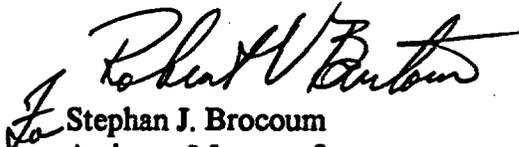
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If you have any questions, please contact Juliana M. Herrington at (702) 794-1312.


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Assistant Manager for
Suitability and Licensing

AMSP:JMH-2689

Enclosures:

1. Study Plan 8.3.1.4.2.3, Revision 0
(NOT RECORD MATERIAL)
2. SCA Open Item - Comment 33,
DOE Response, and NRC Evaluation
of DOE Response

cc w/encls:

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