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Office of Civilian Radioactive Waste Management
Yucca Mountain Site Characterization Office
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SEP 2 3 1994

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U.S. Nuclear Regulatory Commission
Washington, DC 20555

TRANSMITTAL OF APPROVED YUCCA MOUNTAIN STUDY PLAN 8.3.1.17.3.3, "GROUND MOTION FROM REGIONAL EARTHQUAKES AND UNDERGROUND NUCLEAR EXPLOSIONS," REVISION 0 (SCPB: 8.3.1.17.3.3)

Enclosed with this letter is a controlled copy of Study Plan 8.3.1.17.3.3, Revision 0 (enclosure 1) prepared by the U.S. Department of Energy (DOE) for the Yucca Mountain site. The study plan numbers correspond to the same numbers used in the Site Characterization Plan (SCP) for the Yucca Mountain 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) Level of Detail agreement and review process for study plans. No technical procedures will be used in conjunction with this study plan; all work will be documented in scientific notebooks.

DOE identified one Site Characterization Analysis (SCA) question related to this study plan. Although the NRC considers SCA question 16 closed, a summary of how this study plan addresses SCA question 16 is provided for your information (enclosure 2).

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The Document Transmittal/Acknowledgement Record for your controlled copy of the study plan should be signed and dated and returned to the Document Control Center in Las Vegas, Nevada.

If you have any questions, please contact Jeanne C. Nesbit at (702) 794-7930.

Stephan J. Brocoum
Assistant Manager for
Suitability and Licensing

AMSP:JCN-5081

Enclosures:
1. Study Plan 8.3.1.17.3.3, Revision 0
2. SCA Open Items Analysis

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