



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

SEP 23 1994

Joseph J. Holonich, Chief
 High-Level Waste and Uranium
 Recovery Projects 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 8.3.1.17.3.3,
 "GROUND MOTION FROM REGIONAL EARTHQUAKES AND UNDERGROUND NUCLEAR
 EXPLOSIONS," REVISION 0 (SCP: 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

cc w/encls:

Alice Cortinas, CNWRA, San Antonio, TX

cc w/encl 2:

C. E. Einberg, HQ (RW-36) FORS
C. A. Kouts, HQ (RW-36) FORS
S. V. Long, HQ (RW-33) FORS
R. A. Milner, HQ (RW-30) FORS
Samuel Rousso, HQ (RW-40) FORS
R. R. Loux, State of Nevada, Carson City, NV
T. J. Hickey, State of Nevada, Carson City, NV
Cyril Schank, Churchill County, Fallon, NV
D. A. Bechtel, Clark County, Las Vegas, NV
J. D. Hoffman, Esmeralda County, Goldfield, NV
Eureka County Board of Commissioners, Battle Mountain, NV
Jason Pitts, Lincoln County, Pioche, NV
V. E. Poe, Mineral County, Hawthorne, NV
L. W. Bradshaw, Nye County, Tonopah, NV
Florindo Mariani, White Pine County, Ely, NV
P. A. Niedzielski-Eichner, Nye County, Chantilly, VA
William Offutt, Nye County, Tonopah, NV
P. M. Dunn, M&O/TRW, Vienna, VA

cc w/o encls:

W. D. Barnard, NWTRB, Arlington, VA
L. E. Shephard, SNL, Albuquerque, NM, M/S 1333
G. M. Gestner-Miller, SNL, Albuquerque, NM, M/S 1330
T. H. Rogers, M&O/WCFS, Washington, DC
C. T. Statton, M&O/WCFS, Las Vegas, NV
R. D. Rogers, M&O/WCFS, Las Vegas, NV
J. A. Docka, Weston, Washington, DC
D. G. Horton, OQA (RW-3) NV
J. T. Sullivan, YMSCO, NV
S. J. Brocoum, YMSCO, NV
A. V. Gil, YMSCO, NV
S. B. Jones, YMSCO, NV
J. R. Summerson, YMSCO, NV