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DEC 23 1994

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Office of Nuclear Material Safety
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U.S. Nuclear Regulatory Commission
Washington, DC 20555

TRANSMITTAL OF APPROVED YUCCA MOUNTAIN STUDY PLAN 8.3.1.15.1.4,
"LABORATORY DETERMINATION OF THE MECHANICAL PROPERTIES OF
FRACTURES," REVISION 0 (SCPB: 8.3.1.15.1.4)

Enclosed with this letter is a controlled copy of Study Plan
8.3.1.15.1.4, Revision 0 (enclosure 1) prepared by the
U.S. Department of Energy (DOE) for the Yucca Mountain Nevada
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 (YMSCO) 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.

This study plan was submitted to YMSCO for review before the 1993
DOE/U.S. Nuclear Regulatory Commission (NRC) study plan agreement
became effective. Therefore, DOE has reviewed the study plan for
consistency with the content requirements for study plans, as
given in Attachment B to the summary of the DOE/NRC meeting on
the level of detail for the SCP (May 7-8, 1986). No technical
procedures will be used in conjunction with this study plan; all
work will be documented in scientific notebooks.

DOE did not identify Site Characterization Analysis (SCA) open
items related to this study plan.

YMP-5

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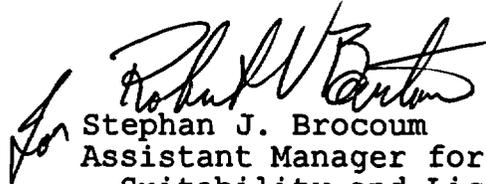
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The Document Transmittal Acknowledgement Record for your controlled copy of the study plan should be signed, dated, and returned to the Document Control Center in Las Vegas, Nevada.

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



Stephan J. Brocoum
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AMSP:JCN-1394

Enclosure:
Study Plan 8.3.1.15.1.4,
Revision 0

cc w/encl:

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cc w/o encl:

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