



## Department of Energy

Washington, DC 20585

MAY 04 1994

Mr. Joseph J. Holonich, Director  
Repository Licensing & 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. Holonich:

Enclosed with this letter is a controlled copy of Study Plan 8.3.1.15.1.5, Revision 1, "Excavation Investigations", prepared by the U.S. Department of Energy for the Yucca Mountain site. The study plan numbers correspond to the same numbers used in the Site Characterization Plan 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 Site Characterization Plan and, as such, represent the Department's current plans.

This study plan was submitted to the Yucca Mountain Site Characterization Office for review before the Department of Energy/U.S. Nuclear Regulatory Commission study plan agreement became effective. Therefore, the Department has reviewed the study plan for consistency with the content requirements for study plans, as given in Attachment B to the Summary of the Department of Energy/U.S. Nuclear Regulatory Commission meeting on the Level-of-Detail for the Site Characterization Plan (May 7-8, 1986). No technical procedures will be used in conjunction with this study plan; all work will be documented in scientific notebooks.

The Department noted in its response to Site Characterization Analysis comment 56 that revision 0 of this study plan included a discussion of model validation. That discussion remains unchanged in revision 1.

This study plan is on critical path for Exploratory Studies Facility construction because it will be used to monitor the underground workings as they are completed by the Tunnel Boring Machine. Consequently, the Department requests that the Commission complete its review of this study plan within the 90 days specified in the Department of Energy/U.S. Nuclear Regulatory Commission agreement.

1

9405180018 940504  
PDR WASTE  
WM-11

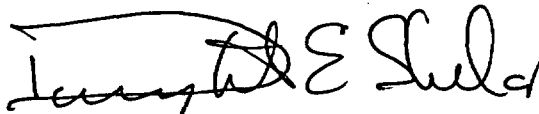
PDR

102.8  
wm-11  
NH03

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 Ms. Sheila Long at 202-586-1447.

Sincerely,



Dwight E. Shelor  
Associate Director for  
Systems and Compliance  
Office of Civilian Radioactive  
Waste Management

Enclosure: *on the shelf*  
Study Plan 8.3.1.15.1.5,  
Revision 1

cc:  
R. Nelson, YMPO  
T. J. Hickey, Nevada Legislative Committee  
R. Loux, State of Nevada  
D. Bechtel, Las Vegas, NV  
Eureka County, NV  
Lander County, Battle Mountain, NV  
P. Niedzielski-Eichner, Nye County, NV  
W. Offutt, Nye County, NV  
L. Bradshaw, Nye County, NV  
C. Schank, Churchill County, NV  
F. Mariani, White Pine County, NV  
V. Poe, Mineral County, NV  
J. Pitts, Lincoln County, NV  
J. Hayes, Esmeralda County, NV  
B. Mettam, Inyo County, CA  
M. Delligatti, NRC  
A. Cortinas, CNWRA (w/enclosure)

YMP-116-R1  
7/14/93

**YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT  
DOCUMENT TRANSMITTAL/ACKNOWLEDGMENT RECORD**

WBS: \_\_\_\_\_  
QA: N/A  
Page 1 of 1

TO:  
LINEHAN J J  
NRC/MD  
RW-30  
ATTN: LINDA DESELL DOE/HQ  
US DEPARTMENT OF ENERGY  
WASHINGTON, DC 20585

FROM: Document Control Center  
101 Convention Center Drive  
Mail Stop 423  
Las Vegas, Nevada 89109  
(702) 794-5312

TRANSMITTAL DATE: 04/29/94

COPY NO.: 100686.0

DOCUMENT TITLE: EXCAVATION INVESTIGATIONS

DOCUMENT REVISION: 1 DOCUMENT IDENTIFICATION NUMBER: 8.3.1.15.1.5

**DIRECTIONS**

REPLACE: 8.3.1.15.1.5 REV 0, DATED 01/09/89 WITH  
8.3.1.15.1.5 REV 1, DATED 04/29/94.

\*\*\* DESTROY OR MARK OBSOLETE MATERIAL "SUPERSEDED" \*\*\*

SIGN/DATE IN BLACK INK BELOW TO CONFIRM THAT THE ABOVE DIRECTIONS HAVE BEEN FOLLOWED,  
AND RETURN THIS TRANSMITTAL RECORD, WITH THE OBSOLETE MATERIAL, AS APPROPRIATE, TO  
THE ABOVE ADDRESS BY:

05/27/94

Due Date

\_\_\_\_\_  
Recipient

\_\_\_\_\_  
Date

<<< FOR DOCUMENT CONTROL CENTER USE ONLY >>>

OBSOLETE MATERIAL RECEIVED: \_\_\_\_\_

\_\_\_\_\_  
DCC Personnel Initials

\_\_\_\_\_  
Date