

6/10/87

MEMO/PP/TJ/87/06/10

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MEMORANDUM FOR: Paul Prestholt, Sr. On-Site Licensing Representative  
Division of High-Level Waste Management

FROM: Thomas L. Jungling, Materials Engineer  
Technical Review Branch  
Division of High-Level Waste Management

SUBJECT: APPENDIX 7 VISIT TO LAWRENCE LIVERMORE NATIONAL LABORATORY

Attached to this memo is an outline of three subject areas that are proposed for investigation during the July 21-22, 1987 visit. The overall objective of this trip is to determine what information, in terms of references and current project thinking, is available pertaining to these three subjects.

In addition to the three NRC individuals previously identified as participants, i.e., Drs. Michael McNeil and Emmy Booy from the Office of Research and myself, a tremendous benefit can be realized in the Division's understanding of the NNWSI and in preparation of the forthcoming review of the Site Characterization Plan if the visit includes a representative from the NRC's Technical Assistance contractor at the National Bureau of Standards. Therefore the Technical Review Branch is requesting that the necessary arrangements be made to include the name of Mr. Edward Escalante to the list of participants.

If there are any questions regarding either the attached outline or the participation request, please contact me at (FTS) 427-4275.

88123050

WM Project: WM-11

PDR w/encl

(Return to WM, 623-SS)

WM Record File: 102

LPDR w/encl

8712100015 870610  
PDR WASTE  
WM-11

PDR

Enclosure:  
As stated

## ORIGINAL SIGNED BY

Thomas L. Jungling, Materials Engineer  
Technical Review Branch  
Division of High-Level Waste Management

WM Record File

102

WM Project 11

Docket No.

PDR

XLPDR

Distribution:

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1513

ENCLOSURE

NNWSI/NRC/NEVADA WASTE PACKAGE APPENDIX 7 VISIT  
LAWRENCE LIVERMORE NATIONAL LABORATORY - JULY 21-22, 1987

SUBJECTS TO BE INVESTIGATED:

1) MATERIALS SELECTION

- Latest information which will be used to determine materials choice for the Waste Container.
- Status of current research on austenitic stainless steels, copper and its alloys, and ceramic materials as candidate container materials.
- Relevant information to be included in SCP

2) SITE CHARACTERIZATION PLAN TOPICS

- Exploratory shaft tests related to waste package
  - WP Environment (Pre-Emplacement)
  - WP Interaction Tests (Post-Emplacement)

3) DESIGN CRITERIA FOR WP DESIGN

- Approach
  - Corrosion Allowance
  - Margin of Safety
  - Applicable Design Code

JUN 15 1987

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OFFICIAL CONCURRENCE AND DISTRIBUTION RECORD

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Division of High-Level Waste Management

SUBJECT: APPENDIX 7 VISIT TO LAWRENCE LIVERMORE NATIONAL LABORATORY

DATE:

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NKS

87/06/11  
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6-17-87 11:00  
Date / Time