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**AGENDA**

**NNWSI/NRC WASTE PACKAGE MEETING**

**July 23-24, 1985**

**Building 123 - Conference Room A  
Lawrence Livermore National Laboratory**

**Tuesday, July 23**

WM Record File

102.2

WM Project 11

Docket No. \_\_\_\_\_

PDR

LPDR

- 8:30 - Introductions
  - NRC Participants
  - DOE & LLNL Participants
  - Others

Distribution:

QUINNING

- 8:45 - Meeting Objectives & Agenda Overview

(Return to WM, 623-SS)

- NRC Objectives
- DOE/LLNL Objectives
- Agenda Overview and Arrangements

*ORIGINAL NOT REC'D.*

- 9:00 - Update on Package Design Concepts - E. Russell
  - Alternative Emplacement Geometries
  - Spent Fuel Internal Configurations
  - Thermal and Structural Analyses
  - MV/DWPF Containers

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WM DOCKET CONTROL CENTER

- 10:00 - Potential Implications of MRS on NNWSI - L. Ballou
  - Packaging Options
  - Storage and Transportation Considerations

10:45 - Break

- 11:00 - Part 60.135(b) Excluded Materials - NRC
  - Discussion of NRC Intent
  - Rationale for Implementing Criteria

12:00 - Lunch - LLNL Cafeteria

- 1:00 - Container Material Testing - D. McCright
  - Introduction and Overview
  - NNWSI Environmental Conditions
    - Anticipated Conditions and Uncertainties
  - Candidate Materials
    - Austenitic Stainless Steels and Copper Alloys
  - Conceptual Corrosion Models

3:00 - Break

3:15 - Material Testing - Continued

- General and Localized Corrosion Testing
- Stress Corrosion Testing
- Planned Testing and Schedules

4:45 - Adjourn

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Wednesday, July 24

8:30 - Waste Form Testing - Spent Fuel - V. Oversby  
Approach to Testing & Results to Date  
Isotopes of Concern  
Release Rates  
Cladding Degradation  
Fuel Oxidation

10:00 - Break

10:15 - Spent Fuel - Continued  
Modeling of Release Mechanisms  
Comparison with Performance Objectives  
Planned Testing  
Discussion of Fuel Population  
Proposed Test Matrix - Test Materials  
Adequacy of Sampling

12:00 - Lunch - LLNL Cafeteria

1:00 - Waste Form Testing - Glass - V. Oversby  
Unsaturated Testing  
Procedure Development  
Results to Date  
Planned Testing  
Supporting Tests and Experiments  
Modeling of Release Mechanisms

2:30 - Break

2:45 - Reliability Considerations  
Discussion of NRC Approach to Interpretation  
of "substantially complete"  
Approach to Reliability for Containment

3:30 - Summary and Development of Minutes

4:45 - Adjourn

**Note to Attendees:**

This meeting will be held on the LLNL site. To reach the Laboratory from the San Francisco Area, proceed east on I-580 past Livermore to the Vasco Rd. exit; south to East Ave. (2+ miles); east .1 miles to entrance. Enter Bldg. 123 (Auditorium) just north of West Badge Office. Visitor parking is limited, park in any non-carpool space in the main West Lot.

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OUTGOING FACSIMILE TRANSMITTAL

75 JUL 16 P2:12  
LAWRENCE LIVERMORE NATIONAL LABORATORY

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FROM: LYNDEN BALLOU  
LLNL

TO: MARK FREI  
DOE/HQ

TO: EVELYN GAUSE  
WESTON

TO: TOM JUNGLING ✓  
NRC

TO: MICHAEL SMITH  
RHO

TO: D. SCHWEITZER (BNL)  
c/o M. VOEGELE (SAIC) OR M. TEUBNER (?)

TO: \_\_\_\_\_

TO: \_\_\_\_\_

NUMBER OF PAGES, EXCLUDING COVER SHEET 3  
Barbara Bryan SIGNATURE DATE: 7-16-85



# Lawrence Livermore National Laboratory

July 15, 1985  
WP: 99-85/8000N

Jerry Syzmanski  
U.S. Department of Energy  
Waste Management Project Office  
Nevada Operations Office  
P.O. Box 14100  
Las Vegas, NV 89114

**SUBJECT: Detailed Agenda for NNWSI - NRC Waste Package Meeting**

Dear Jerry:

The attached detailed agenda for next week's meeting is provided for your advance information. The note on page 2 will hopefully get you close enough to ask someone for further directions.

Yours truly,

Lynden B. Ballou  
Waste Package Task Leader  
Nuclear Waste Management

LBB/bb

cc: V. Witherill, WMPO	L. Ramspott
M. Frei, DOE/HQ	L. Hansen
E. Gause, Weston	J. Dronkers
T. Jungling, NRC	D. McCright
P. Prestholt, NRC/LV	V. Oversby
D. Schweitzer, BNL	M. Revelli
M. Apted, PNL	E. Russell
C. Pflum, SAIC	J. Yow
L. Scully, SNL	
G. dePoorter, LANL	
M. Smith, RHO	
J. Carr, ONWI	