

JUL 12 1993

**MEMORANDUM FOR:** Joseph J. Holonich, Director  
Repository Licensing and Quality Assurance  
Project Directorate  
Division of High-Level Waste Management

**FROM:** Charlotte Abrams, Senior Project Manager  
Repository Licensing and Quality Assurance  
Project Directorate  
Division of High-Level Waste Management

**SUBJECT:** FORTHCOMING NUCLEAR REGULATORY COMMISSION/U.S. DEPARTMENT OF  
ENERGY (DOE) TECHNICAL EXCHANGE ON EXPLORATORY STUDIES  
FACILITY TITLE II DESIGN\*

**DATE:** July 27-28, 1993

**TIME:** 8:00 a.m. - 5:00 p.m.

**LOCATION:** Stardust Hotel Convention Center  
3000 Las Vegas Blvd. South  
Las Vegas, Nevada  
1-800-634-6757\*\*

**PURPOSE:** To hold discussions on DOE activities related to the  
Exploratory Studies Facility design and design control  
process.

**PARTICIPANTS:**

<u>NRC</u>	<u>DOE</u>	<u>State of Nevada</u>
C. Abrams	C. Macaluso	C. Johnson
M. Nataraja	T. Petrie	S. Frishman
R. Ballard		

\* Meetings and technical exchanges between NRC and DOE are open to members of the public, Petitioners, intervenors, or other interested parties wishing to attend as observers pursuant to the spirit of "Open Meeting Statement of NRC Staff Policy," 43 Federal Register 28058, dated June 28, 1978, which details the open meeting policy for applicants and licensees.

\*\* A block of rooms has been reserved for persons attending the technical exchange and wishing to stay at the Stardust Hotel. The Stardust Hotel will hold the block until July 20, 1993.

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PDR WASTE  
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102.2  
WM-11  
NH16

Affected Local Governments

M. Murphy, Nye County, NV  
 D. Bechtel, Clark County, NV  
 V. Poe, Mineral County, NV  
 C. Schank, Churchill County, NV  
 R. Williams, Lander County, NV  
 B. Mettam, Inyo County, CA

M. Baughman, Lincoln County, NV  
 F. Sperry, White Pine County, NV  
 P. Niedzielski-Eichner, Nye County, NV  
 L. Fiorenzi, Eureka County, NV  
 L. Vaughan II, Esmeralda County, NV  
 L. Bradshaw, Nye County, NV

Charlotte E. Abrams, Senior Project  
 Manager  
 Repository Licensing and Quality Assurance  
 Project Directorate  
 Division of High-Level Waste Management

cc: S. Goldberg, OMB  
 D. Weigel, GAO  
 F. Parker, NAS  
 W. Barnard, NWTRB  
 A. Kadak, YAEC

DISTRIBUTION

CNWSA  
 LPDR  
 BYoungblood, HLWM  
 AGarcia, HLPD

NMSS R/F  
 ACNW  
 JLinehan, HLWM  
 On-Site Reps

HLPD R/F  
 PDR  
 RBallard, HLGE

LSS  
 CENTRAL FILE  
 MFederline, HLHP

OFC	HLPD	E	HLPD	E			
NAME	CAbrams/dh		AGarcia				
DATE	07/12/93		07/01/93				

C = COVER                      E = COVER & ENCLOSURE                      N = NO COPY  
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**CONSTRUCTION STATUS**

**DOE**

**Construction, Construction Inspections, and  
Title II Inspections (Items Important to  
Safety, Waste Isolation, and Test Interference)  
Inspection Documents  
Photographs**

**DISCUSSION**

**ALL**

**BREAK**

**CLOSING REMARKS**

**DOE, NRC, STATE OF NV,  
AFFECTED COUNTIES**

**ADJOURN**

**AGENDA**  
**U.S. DEPARTMENT OF ENERGY - U.S. NUCLEAR REGULATORY COMMISSION**  
**TECHNICAL EXCHANGE ON EXPLORATORY STUDIES FACILITY TITLE II DESIGN**  
**July 27-28, 1993**  
**Las Vegas, NV**  
**8:00 a.m. - 5:00 p.m.**

**JULY 27, 1993**

<b>Opening remarks</b>	<b>DOE, NRC, STATE OF NV. AFFECTED COUNTIES</b>
<b>NRC/OCRWM COMMUNICATIONS</b>	<b>DOE</b>
<b>Site Characterization Program Baseline</b>	
<b>Semiannual Progress Report</b>	
<b>NRC On-Site Licensing Representatives</b>	
<b>ESF Design Reviews</b>	
<b>Technical Exchanges</b>	
<b>DISCUSSION</b>	<b>ALL</b>
<b>DESIGN STRATEGY</b>	<b>DOE</b>
<b>Background</b>	
<b>Option 30 and Modified Option 30</b>	
<b>Title I Design Summary Report</b>	
<b>ESF Technical Baseline</b>	
<b>Modifications to Title I Baseline and</b>	
<b>Control Process</b>	
<b>Connection to Title II Design</b>	
<b>DISCUSSION</b>	<b>ALL</b>
<b>BREAK</b>	
<b>DESIGN/CONSTRUCTION PROCESS</b>	<b>DOE</b>
<b>DISCUSSION</b>	<b>DOE</b>
<b>DESIGN/CONSTRUCTION PLAN</b>	<b>DOE</b>
<b>Phases</b>	
<b>Design and Construction Sequence</b>	
<b>Surface</b>	
<b>Subsurface</b>	
<b>DISCUSSION</b>	<b>ALL</b>
<b>DOE REQUIREMENTS HIERARCHY THROUGH ESFDR (SCA 130C)</b>	<b>DOE</b>
<b>Document Description - Old/New</b>	
<b>Transition Plan</b>	
<b>DISCUSSION</b>	<b>ALL</b>
<b>LUNCH</b>	

ARCHITECT/ENGINEER REQUIREMENTS HIERARCHY	DOE
Transition RSN/M&O	
Basis for Design	
DISCUSSION	ALL
DETERMINATION OF IMPORTANCE EVALUATIONS	DOE
Q-List	
Importance to Safety	
Importance to Waste Isolation	
Importance to Test Interference	
Analyses That Have Been Completed	
DISCUSSION	ALL

JULY 28, 1993

SELECTED DESIGN ISSUES

Impact of Underground Diesel Emissions in ESF	DOE
DISCUSSION	ALL
Roof Bolts and Ground Control Options	DOE
DISCUSSION	ALL
ESF Water Storage Tanks, Waste Lagoon, and	DOE
Septic Field (SCA 55Q)	
DISCUSSION	ALL
Fire Suppression	DOE
DISCUSSION	ALL
ESF Ventilation Impact on Testing (SCA 123C)	DOE
DISCUSSION	ALL

BREAK

Flexibility of ESF to Accommodate In Situ	DOE
Testing of Waste Package (SCA 58Q)	
DISCUSSION	ALL
Results of ESF Technical Assessment for	DOE
Seismic Design Basis (SCA 121C)	
DISCUSSION	ALL

LUNCH

DESIGN INTERFACES	
ESF/Geologic Repository Operation Area Interfaces	DOE
Connectivity Between Waste Package, Repository	
Alternative Conceptual Designs, and ESF	
Surface Based Testing Interfaces	
Underground Test Interfaces	
DISCUSSION	ALL