



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

AUG 01 1994

MEMORANDUM FOR: Robert L. Johnson, Section Leader
High-Level Waste and Uranium Recovery Projects
Branch
Division of Waste Management

FROM: Michael P. Lee, Project Manager
High-Level Waste and Uranium Recovery Projects
Branch
Division of Waste Management

SUBJECT: FORTHCOMING NUCLEAR REGULATORY COMMISSION/
U.S. DEPARTMENT OF ENERGY (DOE) TECHNICAL
EXCHANGE ON FIELD HEATER EXPERIMENTS
ASSOCIATED WITH COUPLED THERMAL-HYDROLOGIC-
MECHANICAL-CHEMICAL (TMHC) PROCESSES*

DATES: August 23 - 24, 1994

TIME: 8:30 a.m. - 5:15 p.m.

LOCATION: Las Vegas, Nevada and Yucca Mountain site**

PURPOSE: To discuss technical issues needing experimental resolution for
coupled THMC processes, and the adequacy of current DOE
plans to address these phenomena. A visit is planned to the
Yucca Mountain site on August 24, 1994. (See attached agenda
-- Enclosure 1).

PARTICIPANTS:

NRC
M. Bell *et al.*

DOE
N. Simms
A. Simmons

State of Nevada
C. Johnson
T. Hickey, NV Legislative Committee

* Interactions 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 the "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.

** Permission to gain access to the Yucca Mountain site for the second day of the technical exchange must be obtained from DOE's Yucca Mountain Project Office. Those persons wishing to visit the site as part of the technical exchange should contact Carleen Hill by August 9, 1994, and mail or fax the information requested on the site access form (see Enclosure 2) to Ms. Hill at SAIC, 101 Convention Center Drive, Las Vegas, NV 89193 (Fax: 702/794-5348; Verify: 702/794-7375).

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PDR WASTE
WM-11 PDR

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NHL

Affected Units of 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
J. Hoffman, Esmeralda County, NV
L. Bradshaw, Nye County, NV

/s/

Michael P. Lee, Project Manager
High-Level Waste and Uranium Recovery Projects
Branch
Division of Waste Management

cc: S. Goldberg, OMB
W. Barnard, NWTRB
R. Newlin, OPA

D. Weigel, GAO P. Meyer, NAS
A. Kadak, YAEC J. Meder, NV

Enclosures (2):
Agenda
Site Access Form

DISTRIBUTION

Central File: DWM r/f MKnapp JSurmeier JHolonich On-Site Reps
MFederline MBell NMSS r/f HLUR r/f CNWRA LPDR

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NAME	MLee <i>MPL</i>		AGarcia <i>G</i>		RJohnson			
DATE	07/29/94		08/01/94		08/1/94			

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/s/

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PROPOSED AGENDA

DOE-NRC TECHNICAL EXCHANGE FIELD HEATER EXPERIMENTS ASSOCIATED WITH COUPLED THERMAL-HYDROLOGIC-MECHANICAL-CHEMICAL (THMC) PROCESSES

August 23, 1994
Bank of America Building, Room 450
Las Vegas, Nevada

<i>TIME</i>	<i>TOPIC</i>	<i>PRESENTER</i>
8:30am	Opening Remarks	DOE/NRC
8:45	Regulatory Bases for Evaluating THMC Processes	NRC
9:30	DOE's Approach to Coupled THMC Processes - THMC Processes Requirements - THMC Study Program	DOE
10:15	BREAK	
10:30	Address NRC Open Items (if applicable)	DOE
11:00	Testing Plans & Goals, and the Intended Use of Testing Results	DOE
12:00pm	LUNCH	
1:15	Status of Coupling Approaches	DOE
2:45	Lessons-Learned from Tests in G-Tunnel and the Climax Facility	DOE
3:30	BREAK	
3:45	Fran Ridge Large Block Experiment and Exploratory Studies Facility Engineered Barrier System Field Test	DOE
5:00	Closing Remarks	DOE/NRC State of NV AUG
5:15	Adjourn	

ENCLOSURE 1

PROPOSED AGENDA

DOE-NRC TECHNICAL EXCHANGE FIELD HEATER EXPERIMENTS ASSOCIATED WITH COUPLED THERMAL-HYDROLOGIC-MECHANICAL-CHEMICAL (THMC) PROCESSES

August 24, 1994
Yucca Mountain Nuclear Test Site (NTS)

<i>TIME</i>	<i>LOCATION</i>	<i>BRIEFER</i>
7:30am	Depart Las Vegas for Yucca Mountain Site	---
9:00	Meet at NTS Gate 510 for Badging	---
9:15	Depart NTS Gate 510 for Fran Ridge	---
9:35	Arrive at Fran Ridge	---
9:45	Discussion of Large Block Experiment	DOE
10:45	Closing remarks and questions	NRC State of NV AUG
11:15	Depart for NTS Gate 510	---

FORM FOR U.S. CITIZENS ONLY

NAME OF GROUP _____ **DATE OF VISIT** _____

LAST NAME _____ **FIRST NAME** _____ **MIDDLE INITIAL (MI)**
(IF NO MI WRITE NMI) _____

SOCIAL SECURITY NO. _____

DATE OF BIRTH _____ **PLACE OF BIRTH** _____

NATURALIZATION CERTIFICATE NUMBER _____

JOB TITLE _____

COMPANY NAME _____

COMPANY ADDRESS _____

PHONE # _____

HOME ADDRESS _____

PHONE # _____

CITIZENSHIP _____

NOTE: ORIGINAL NATURALIZATION CERTIFICATE IS REQUIRED AT TIME OF BADGING