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 National Waste Terminal  
 Storage Program Office  
 505 King Avenue  
 Columbus, Ohio 43201

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CC: R JOHNSON

August 31, 1983

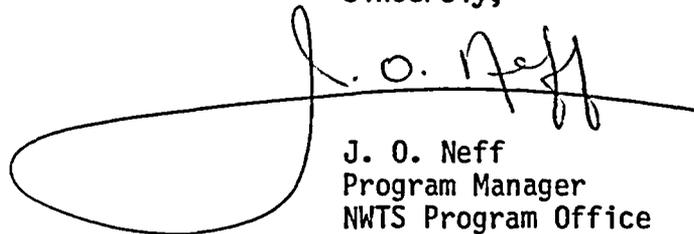
Hubert Miller, Chief  
 HLW Technical Development Branch  
 Division of Waste Management  
 Nuclear Regulatory Commission  
 7915 Eastern Avenue  
 Silver Spring, MD 20910

SUBJECT: DRAFT AGENDAS FOR MEETINGS WITH NRC ON PERFORMANCE ASSESSMENT  
 AND EXPLORATORY SHAFT/REPOSITORY DESIGN/IN SITU TESTING

Dear Mr. Miller:

After discussion with you, we are proceeding to prepare for the subject meetings on October 25-26 and October 27-28, respectively, according to the attached draft agendas. We are mailing these agendas to you at this early time to provide notification by copy of this letter to the salt states and interested parties. We would appreciate you and the salt state representatives providing us a list of expected attendees and any final changes to the agenda by October 3, 1983 so that we can mail out the final agenda by October 7, 1983

Sincerely,



J. O. Neff  
 Program Manager  
 NWTs Program Office

ST# 521-83

NPO:LAC:9729A

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- Enclosure: 1) October 25-26, 1983 draft meeting agenda on Performance Assessment.
- 2) October 27-28, 1983 draft meeting agenda on Exploratory Shaft/Repository Design/In Situ Testing.

cc: with enclosures

G. Tomsic, UT  
S. Frishman, TX  
R. Forsythe, MS  
H. Bohlinger, LA  
R. Johnson, NRC  
W. Bennett, DOE-HQ  
V. Lowery, DOE-HQ  
C. George, DOE-HQ  
C. Cooley, DOE-HQ  
D. Vieth, DOE-NV  
L. Olsen, DOE-RL  
M. Glora, ONWI  
L. White, Weston  
H. Bermanis, Weston  
J. LaRue, BWIP  
R. Stein, DOE-HQ

AGENDA  
Fourth DOE/NRC Pre-SCP Meeting  
PERFORMANCE ASSESSMENT  
Battelle, Columbus, OH October 25 & 26, 1983

First Day

8:30 - 8:45am	Introduction/Opening Remarks	NPO/NRC
8:45 - 10:15am	Discussion of NRC Plan for Performance Assessment	NRC
10:15 - 11:45am	Discussion of ONWI Performance Assessment and Verification/Validation Plans • ANL Peer Review	ONWI
11:45 - 1:00pm	Lunch	
1:00 - 2:15pm	Discussion of NRC Sensitivity/Uncertainty Analysis Development	NRC
2:15 - 3:30pm	Discussion of ONWI Sensitivity/Uncertainty Analysis Development	ONWI
3:30pm	Wrap up and Adjourn	

Second Day

8:30 - 11:45am	Discussion of Ground Water Modeling • INTERA ground water modeling reports • ONWI selection of computer codes • NRC computer codes	ONWI/NRC
11:45 - 1:00pm	Lunch	
1:00 - 3:00pm	Prepare Meeting Minutes	NRC/NPO/ONWI
3:00pm	Closing remarks, wrap up, adjourn	

**DRAFT**

PERFORMANCE ASSESSMENT

Purpose of Meeting

To discuss ONWI and NRC plans of and approaches to performance assessment, verification and validation, and sensitivity/uncertainty analysis; and to discuss ground-water modeling of salt sites.

Documents Available at Date of Meeting

ONWI Performance Assessment Plan - Draft

ONWI Verification and Validation Plan - Draft

INTERA - ground-water modeling reports (Palo Duro, Gibson Dome, and Richton) - Reports to be submitted for clearance, publication expected in September, 1983.

ONWI-398 - Long-term Performance Objectives and Measures for Repository - January, 1983.

ONWI-444 - Sensitivity/Uncertainty Analysis Techniques for Non-stochastic Computer Codes.

ANL - Peer Review of ONWI Preliminary Performance Assessment Plan for a Nuclear Waste Repository in Salt - June 7, 1983.

ONWI Letter Report - Selection of Performance Assessment Computer Codes Required for Licensing - July, 1983.

AGENDA  
Fifth DOE/NRC Pre-SCP Meeting  
REPOSITORY DESIGN, EXPLORATORY SHAFT AND IN SITU TESTING  
Battelle, Columbus, OH October 27 & 28, 1983

Purpose of Meeting

To discuss DOE conceptual repository design and review plans for exploratory shaft and in situ testing with NRC in advance of preparing Site Characterization Plans.

First Day

8:30 - 8:45am	Introduction/Opening Remarks	NPO/NRC
8:45 - 10:30am	Discussion of Conceptual Repository Design <ul style="list-style-type: none"><li>• Status and Schedule</li><li>• Design Bases</li><li>• Level of Detail in SCP and LA</li></ul>	ONWI
10:30 - 11:45am	Discussion of NRC General Technical Position on Conceptual Repository Design	NRC
11:45 - 1:00pm	Lunch	
1:00 - 2:00pm	Discussion of In situ Testing <ul style="list-style-type: none"><li>• Plans</li><li>• Level of Testing Pre- and Post- SCP/LA</li><li>• TEF</li></ul>	ONWI
2:00 - 3:00pm	Discussion of NRC General Technical Position on In situ Testing	NRC
3:00 - 4:00pm	Discussion of Issue Identification <ul style="list-style-type: none"><li>• Stability (openings)</li><li>• Retrievability</li><li>• Canister Failure</li><li>• Engineered Barriers</li><li>• Coupled Thermal-Mechanical-Hydro-Geochemical Factors</li></ul>	ONWI/NRC
4:00pm	Adjourn First Day	

Second Day

8:30 - 10:45am	Discussion of Exploratory Shaft Design and Construction <ul style="list-style-type: none"><li>• Design Status (re site location)</li><li>• Construction Plans</li><li>• ES Testing and Monitoring Plans</li><li>• NRC ES and Sealing Letter of 6/15/83</li></ul>	ONWI
10:45 - 11:45am	Discussion of QA Program <ul style="list-style-type: none"><li>• Site Data/Design Interface</li><li>• Design Control Procedures</li><li>• NRC Position on QA</li></ul>	ONWI
11:45 - 1:00pm	Lunch	
1:00 - 3:00pm	Prepare Meeting Minutes	NRC/NPO/ONWI
3:00pm	Closing Remarks, Wrap Up, Adjourn	

Pertinent Documents Available at Date of Meeting

ONWI-330 Exploratory Shaft Conceptual Design Report - Paradox Basin  
ONWI-391 Exploratory Shaft Conceptual Design Report - Gulf Interior Region Salt Domes  
ONWI-392 Exploratory Shaft Conceptual Design Report - Permian Basin

NRC letter of June 15, 1983 to NPO (L. Chase to J. Neff) regarding ES construction and sealing issues.

**DRAFT**