



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

JAN 30 1990

NOTE TO Participants/ Observers

THRU: Joseph Holonich, Section Leader
 Systems Engineering & Special Projects Section
 Repository Licensing & Quality
 Assurance Project Directorate, HLWM

FROM: Brian E. Thomas, Project Manager
 Systems Engineering & Special Projects Section
 Repository Licensing & Quality
 Assurance Project Directorate, HLWM

SUBJECT: FORTHCOMING WORKSHOP WITH THE CNWRA AND SNL ON PERFORMANCE ASSESSMENT

DATE & TIME: February 15-16, 1990
 8:00 a.m. - 5:00 p.m.

LOCATION: Maryland National Bank Building (MNBB)
 7735 Old Georgetown Road
 Bethesda, Maryland
 Room No. 6507

PURPOSE: The performance assessment workshop is intended to:
 (1) review the progress on performance assessment methodologies being developed by the staff, the Center for Nuclear Waste Regulatory Analyses (CNWRA) and Sandia National Laboratory (SNL); 2) provide for integration of ideas on performance assessment; and 3) set the stage for future work under the NMSS/RES Memorandum of Understanding - Phase 2, iterative performance assessment. A copy of the agenda is enclosed.

PARTICIPANTS/
 OBSERVERS:

NRC

RBallard	MSilberberg	SCoplan
NEisenberg	RCode11	JPark
WFord	PBrooks	DChery
PJustus	JPohle	JRandall
TMcCartin	TMarguilies	JBradbury
KChang	RWeller	MNataraja
DBrooks	JTrapp	

*per SC Crutcher
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 WM-1 PNU

Delete: CNWRA

PARTICIPANTS/
OBSERVERS:

CNWRA

WPatrick
BSagar
RWeiner, et al

SNL

PDavis
MGoodrich
DGallegos



Brian E. Thomas, Project Manager
Systems Engineering & Special Projects Section
Repository Licensing & Quality
Assurance Project Directorate, HLWM

Enclosure: As stated

cc: R. Bernero
R. Browning
B.J. Youngblood
J. Linehan
J. Holonich
J. Bunting
J. Funches
S. Fortuna
J. Pearing
M. Delligatti
D. Brooks
P. Altomare
J. Kennedy
W. Ott, RES

AGENDA

Enclosure

PERFORMANCE ASSESSMENT WORKSHOP
FEBRUARY 15 - 16, 1990
MARYLAND NATIONAL BANK BUILDING - ROOM 6507

Thursday, February 15, 1990, 8:30 am - 4:00 pm

- 8:30 a.m. 1. Introductions (5 minutes)
- 8:35 a.m. 2. Workshop Objectives and Agenda (5 minutes)
- 8:40 a.m. 3. MOU PA Exercise (3 hours)
- Overview
- Scenario Analysis
- Consequence Modeling
- System Modeling
- Sensitivity Analysis
- A Sampling of Auxiliary Analyses
- Two-dimensional flow analysis of the
 one-dimensional model used
- Gas Pathway Analysis
- 11:40 a.m. Lunch
- 1:00 p.m. 4. SNL PA Technology (3 hours)
- Summary of SNL PA Technology
- Overview of the SNL PA Methodology
- Discussion of Components
- 4:00 p.m. Adjourn

Friday, February 16, 1990, 8:30 a.m. - 5:00 pm

- 8:30 a.m. 5. CNWRA PA Technology (3 hours)
- (a) Overview of CNWRA PA Activities
- (b) CNWRA Approach to Total System Performance Assessment
- (c) Engineered Barrier System Performance Assessment (EBSPAC)
- Description of EBSPAC
- Possible use in Phase 2
- Sensitivity/Uncertainty Analysis Methodology

- 11:30 p.m. Lunch
- 1:00 p.m. 6. CNWRA Subsystem PA (1 hour)
- (a) Discussion of the PA Aspects of Substantially Complete Containment and Fractional Release
 - (b) Site Subsystem - Groundwater Travel Time
 - (c) Interface of Total System PA
- 2:00 p.m. 7. Future Plans for MOU, Phase 2 - Iterative PA (2 hours)
- (a) Objective and Scope of Phase 2 - Iterative PA
 - (b) Discussion of Roles of NRC Staff, CNWRA, and SNL
 - (c) Scheduled SNL Deliveries
 - (d) Scope of Technology Transfer
 - (e) Utilization of Computers
- 4:00 p.m. 8. Conclusion and Action Items (1/2 hour)
- (a) Priority Work
 - (b) Plans for Additional Workshops
- 4:30 p.m. Adjourn

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RWeiner, CNWRA	DGallegos, SNL		

OFC :HLPD :HLPD :HLPD : : : :
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 DATE: 01/30/90 : 01/30/90 : 01/30/90 : : : :

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OFC :HLPD *[Signature]* :HLPD* :HLGP* : : : :

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* SEE PREVIOUS CONCURRENCE