

RES/NMSS MOU APRIL MTG

- 1 -

MAY 04 1989

NOTE TO: File

FROM: Brian E. Thomas, Project Manager, HLPD

SUBJECT: MINUTES OF APRIL 4, 1989 NMSS/RES MOU STATUS MEETING

On April 4, 1989, the fourth monthly meeting of NRC's joint NMSS/RES Memorandum of Understanding (MOU) team on HLW performance assessment modeling activities was held. The following items were addressed (see attachment 1 -- agenda):

- 1) review of items discussed in March 7, 1989 meeting
- 2) status report on MOU work: Tasks 1, 2 and 3
- 3) potential rescheduling of MOU work

For each item the discussion was as follows:

Item #1 -- Review of items from March 7, 1989 meeting

- a) RES MOU resource expenditures - It was confirmed that unlike NMSS, RES does not track staff time expended on MOU work. Therefore, the NMSS project manager would be unable to track all resources expended on the MOU. Most RES resources expended to date are on Task 1 and much less RES staff time has been spent on Tasks 2 and 3. In addition, John Randall who has RES responsibility for overall MOU coordination and Tasks 2 and 3 integration, will not be able to do Tasks 2 and 3 technical work due to his newly acquired responsibilities as Section Leader. Consequently, RES contribution on Tasks 2 and 3 will not be available for at least 1½ months pending acquisition of staff to continue the work.
- b) Quality Assurance (QA) - Inquiries were made regarding the MOU Team's effort to implement some form of a QA program. The Team confirmed that the CNWRA's QA Plan has been distributed for review. Norman Eisenberg has the lead for review of the CNWRA QA Plan to determine its applicability to MOU work. This task will be underway as soon as Dr. Eisenberg's SCP review activities are completed. In addition, Mr. Youngblood inquired about possible documentation of procedures during code development in the absence of a QA program. The MOU Team replied that documentation of codes will be given a best staff effort. R. Codell said that he has detailed notes, etc., that he will revisit and formally document as time allows.
- c) MOU Task Staff Time Charges - Further discussion of this item revealed that the control of charging/mischarging of staff time expended on MOU work is currently being addressed by management and a resolution is not yet achieved. However, in the interim, the PM will obtain and review a copy of the PPSAS report prior to the next team meeting.

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Item #2 -- Task Leaders' status report on Tasks 1, 2 and 3

a) MOU Task #1--INTRAVAL

T. Nicholson was unable to attend this meeting and was represented by J. Randall. R. Codell provided some information regarding the status of Task 1. The team was informed of the upcoming meeting involving the U. S. INTRAVAL participants on the INTRAVAL unsaturated test case progress to be held at the DOE Forrestal Building on April 11-12, 1989. R. Codell agreed to obtain and distribute a copy of the agenda (see attachment 2.)

R. Codell reported that we are currently three months behind schedule on problem #6 of the INTRAVAL study. That deliverable pertains to preparing the problem statement and data set which was previously scheduled for January 1989 and is now scheduled for April 1989.

Biweekly meetings on Task 1 have been proceeding as scheduled and achieving significant progress. This progress will be discussed at the next meeting. There was also mention of the mid-year INTRAVAL Workshop and coordinating group meeting to be held in Helsinki, Finland, June 12-16, 1989. Two MOU Team members, R. Codell and T. Nicholson, RES, along with S. Neuman of the University of Arizona are expected to attend.

Program plan revisions as discussed at the previous management meeting are still due. It is expected that a draft report on the injection test should be prepared.

b) MOU Task #2 and #3 -- SOURCE TERM AND TOTAL SYSTEM PA

R. Ballard pointed out that there will be an estimated two-month delay in the schedule of MOU Task 2 and 3 work and other related Performance Assessment work (see attachment 3 - Note from R. Ballard to R. Browning, dated March 31, 1989.) This delay is, for the most part, due to higher priority given to SCP review with resulting unavailability of key NMSS staff.

Accordingly, because of the commitment of much of the NMSS and RES staff to review the SCP, progress on Tasks 2 and 3 of the MOU has been very limited in March 1989. However, some limited progress has been made in the following areas:

- ° N. Eisenberg has succeeded in running the far-field transport code UCBNE40 in the IBM-PC environment. More work is required to determine the limitations and capabilities of this code, but some hands-on code manipulation experience has been achieved.
- ° R. Codell has initiated and ran the NEFTRAN code (Sandia), which may be suited to Task 2 and 3 assessments. He has also written and ran several other transport codes which may prove to be suited to Task 3.
- ° A draft of a letter requesting certain codes from the DOE, in particular the AREST code, is being prepared.

Other discussion points:

1) Needed CNWRA Workshop

R. Ballard expressed a need for having a NRC/CNWRA workshop on the development of an overall performance assessment code and committed to pursue scheduling a meeting with S. Coplan, J. Linehan and a CNWRA representative to discuss an approach for that workshop.

ORIGINAL SIGNED BY

Brian E. Thomas, Project Manager
Repository Licensing and Quality
Assurance Project Directorate
Division of High-Level Waste Management

Attachments: As stated

cc: W. Patrick, CNWRA/San Antonio

DISTRIBUTION:

Central File
RBrowning, HLWM
JLinehan, HLPD
GArlotto, RES
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NAME: BThomas/wd:SCoplan :JRandall :JHolonich:JLinehan :RBallard :MSilberberg:
DATE: 04/24/89 : 04/24/89 : 04/28/89 : 04/24/89 : 04/24/89 : 04/24/89 : 04/24/89 :
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AGENDA FOR MONTHLY RES/NMSS
MOU MEETING

Date and Place

April 4, 1989, 2:00 - 4:00 p.m. in OWFN 4-B-13

TOPIC

LEAD

1. Items from March 7, 1989 RES/NMSS MOU meeting

(Open)

2. Status Report on MOU Work

- Task 1: INTRAVAL
- Task 2: Source Term Performance Assessment
- Task 3: Preliminary Total System Performance Assessment

T. Nicholson
R. Code11
N. Eisenberg

3. Planning Remaining FY89 MOU Work

- Potential Rescheduling of MOU Work

S. Coplan

4. Review Action Items

B. Thomas

ATTENDEES

BThomas, HLPD, NMSS
DChery, HLG, NMSS
SCoplan, HLGP, NMSS
PJustus, HLGP, NMSS

NEisenberg, HLGP, NMSS
RCode11, HLGP, NMSS
RWeller, HLEN, NMSS
JHolonich, HLPD, NMSS

JRandall, RES
TNicholson, RES

U.S. INTRAVAL PARTICIPANTS' MEETING ON
TEST CASE PROGRESS

U.S. DEPARTMENT OF ENERGY HEADQUARTERS
FORRESTAL BUILDING, ROOM BE 069
1000 Independence Ave., N.W.
Washington, DC

April 11, 1989

9:30 a.m.	Introductions and Welcoming Remarks	C. Voss, PNL
9:45 a.m.	<u>Session I</u>	C. Voss, PNL, Chairman
	PASS Program Progress on Test Cases 1a. & 1b.	C. Cole, PNL
	Modeling Strategy & Data Analysis for Test Case 1A	N. Olague, SNL
12:00	LUNCH	
1:00 p.m.	<u>Session II</u>	C. Voss, PNL, Chairman
	G-Tunnel Test Case 12	D. Hoxie, USGS
4:00 p.m.	ADJOURN	

April 12, 1989

9:30 a.m.	<u>Session III</u>	T. Nicholson, NRC, Chairman
	Apache Leap Tuff (ALTS) Core Heater Test	T. McCartin, NRC
	ALTS Block Fracture Flow Experiment	M. Sully, UA
	Modeling Strategy & Data Analysis for the ALTS Block Experiment	A. Parsons, SNL
	ALTS Field Imbibition/Redistribution Experiment	T. Rasmussen, UA
12:00	LUNCH	
1:00 p.m.	<u>Session IV</u>	T. Nicholson, NRC, Chairman
	Las Cruces Trench Second Experiment	P. Wierenga, UA
	A Statistical Analysis of the Las Cruces Trench Hydraulic Data	M. Goodrich, SNL
	Infiltration Simulations using TRACER-3D	J. Symth, PNL
	One and Two-Dimensional Modeling of Water Flow	R. Hills, NMSU
4:30 p.m.	<u>Session V</u>	T. Nicholson, NRC, Chairman
	Synthetic Migration Experiments	R. Code11, NRC
5:00 p.m.	ADJOURN	