

JUL 30 1985

426.1/JJP/85/7/29/0

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Dr. R. M. Cranwell
Waste Management Systems
Division 6431
Sandia National Laboratories
Albuquerque, New Mexico 87185

WM-855
WM Record File
A1755
SNL

WM Project 10, 11, 16
Docket No. _____
PDR ✓
LPDR (B, N, S)

Distribution: WM-85632
✓ WM File: 426.1 FIN A1755
WMEG r/f
NMSS r/f
REBrowning
MJBell
JTGreeves
MSNataraja
JJPeshel
HJMiller
DRMattson
LBHigginbotham
PDR
LPDR (B, N, S)

Dear Dr. Cranwell:

(Return to WM, 623-SS)

SUBJECT: COMMENTS ON MONTHLY REPORT FOR FIN A-1755 (JUNE 1985)

I have received your report summarizing the activities during the month of June for FIN A-1755. Your report sufficiently addresses the details necessary to effectively monitor this contract. I have additionally received the following items:

- Review by K. Wahi, of ONWI-547, "BORHOL: A Computer Code to Evaluate Dissolution, Precipitation, Creep and Temperature Effects in Boreholes in Salt".
- Review of NRC's Generic Technical Position on In-Situ Testing by K. Wahi.
- Trip report on The 26th U.S. Symposium on Rock Mechanics by K. Wahi.

The above are being reviewed by the NRC staff and we will pass on any comments to you.

Following telephone conversation between John Peshel and J. Daemen on July 23, 1985, I am hereby providing written authorization for Dr. Jaak Daemen to attend the data review meeting on August 5-8, 1985 at Texas Bureau of Economic Geology (TBEG) Offices in Austin, Texas. Enclosed is the Draft Agenda of the data review meeting.

Following telephone conversation between John Peshel and E. Bonano on July 29, 1985, I am hereby providing written authorization for Dr. Krishan Wahi to attend the International Symposium on Coupled Processes Affecting the Performance of a Nuclear Waste Repository during September 18-20, 1985 at Lawrence Berkeley Laboratory in Berkeley, California.

The above authorizations are in accordance with Task 2 of the Statement of Work for FIN A-1755.

8508140166 850730
PDR WMRES EXISANL
A-1755 PDR

OFC :WMEG	J.P. :WMEG	:	:	:	:	:	:
NAME :JJPeshel:jec:MSNataraja	:	:	:	:	:	:	:
DATE :07/29/85	:07/ /85	:	:	:	:	:	:

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The action taken by this letter is considered to be within the scope of the current contract (FIN A-1755). No changes to cost or delivery of contracted products are authorized. Please notify me immediately (FTS 427-4319) or John Peshel (FTS 427-4735) if you believe this letter would result in changes to cost or delivery of contract products.

Sincerely,

Original Signed By

Mysore S. Nataraja, Section Leader
Rock Mechanics Section
Engineering Branch
Division of Waste Management, NMSS

Enclosure

OFC	:WMEG	<i>J.P.</i>	:WMEG	:	:	:	:	:	:
NAME	:JJPeshel:jec:MSNataraja	:	:	:	:	:	:	:	:
DATE	:07/29/85	:	:07/29/85	:	:	:	:	:	:

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AGENDA
PERMIAN BASIN CORE EXAMINATION

August 5

1:00 p.m.	Introductions	J. Sherwin (SRPO) E. Bingler (TBEG)
1:30 p.m.	Opening remarks and expectations of meeting.	J. Sherwin (SRPO) J. Trapp (NRC)
2:00 p.m.	Overview of the Palo Duro Basin, current understandings of structural and sedimentological history.	TBD (SWEC)
3:00 p.m.	Origin of the Permian evaporites, with emphasis on LSA 4.	TBD (SWEC)
4:00 p.m.	Palo Duro Basin stratigraphic section, locations of DOE test holes, regional correlations of major units, major hydrostratigraphic divisions.	S. Hovorka (TBEG)

August 6

8:15 a.m.	Reconvene	
8:30 a.m.	Geologic logging of DOE drill holes, detailed logs of repository horizon (Lower San Andres Unit 4), geologic cross-sections, correlation of formations and units, description of rocks present in the core, (incl. mineralogic, petrologic, geochemical characteristics), with emphasis on evaporite section and host salt beds.	S. Hovorka (TBEG)
9:30 a.m.	Description of features noted in core from "dissolution wells," regional implications	C. Kreidler (TBEG)
10:00 a.m.	Presentation on available material related to DOE drill hole logs: lithologic logs; geophysical logs; applicable reports and data; correlations of geophysical logs with core; applications of geophysical logging to stratigraphic analysis.	S. Adams (DNWI)
11:00 a.m.	Development of geotechnical logs based on mechanical properties, geophysical logging and visual core logging-correlated with test results performed on drill core; index of laboratory testing for mechanical properties of rock mass; in-situ stress measurements.	T. Lamb (SWEC) TBD (RE/SPEC)
12:00 - 1:00 p.m.	LUNCH	

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PERMIAN BASIN CORE EXAMINATION
PLANNED AGENDA
(Continued)

August 6 (Continued)

1:15 p.m. Reconvene at Balcones Research Center
and proceed to core repository.
Core examination:
Grabbe #1
J. Friemel #1
Zeeck #1 - LSA Unit 4
One dissolution well - TBD

* There is not enough table space for
all listed core sections to be laid
out simultaneously; over two days all
core will be available.

Concurrent Quality Assurance discussions

August 7

8:15 a.m. Reconvene at Balcones Research Center
Proceed to core repository.

8:30 a.m. Core examination continues.

12:00 - 1:00 p.m. LUNCH

1:15 p.m. Review of status of Palo Duro Studies; TBEG
published references; on-going work; SWEC
data availability. DNWI
SRPO

August 8

8:15 a.m. Propose topics/agenda for Permian
Basin data review.

10:15 a.m. Prepare summary of meeting. J. Sherwin (SRPO)
J. Trapp (NRC)

LIST OF SRP EXPECTED PARTICIPANTS

DOE

J. Sherwin

ONWI

W. Newcomb
C. Kuntz
H. Hume
A. Funk
S. Adams

SWEC

E. Washer
J. Peck
P. Murphy
T. Lamb

TBEG

E. Bingler
S. Hovorka
D. Davidson
C. Kreidler
S. Ruppel
S. Nance
D. Johns
S. Fisher
R. Budnik
T. Gustavson
A. Dutton
H. Farcasso

NRC

W. Kelly
G. Jacobs
F. Ross
R. Williams
G. Winters
J. Parrington
J. Damon
R. Cummings
S. Bilhorn
D. Hedges
E. Zurflueh
C. Hackbarth
J. Trapp
R. Lee
R. Berry
L. McKeague
D. Carpenter
J. Inse
R. Johnson
T. Verma