

UNCLASSIFIED

WM Record File

102.2

WM Project

11

Docket No.

OUTGOING FACSIMILE TRANSMITTAL

PDR

LPDR

MACHINE FTS 598-3725

Distribution:

VERIFICATION FTS 598-3463

(Return to WM, 623-SS)

LAS VEGAS, NV

WM Record File

102.2

WM Dir.

WM Dep. Dir.

WMPI

WMHT

WMUR

WM-L

WM-H

Others

FROM:

Don Vieth
DOE/NU

TO:

Seth Coplan
NRC/4675

TO:

TO:

TO:

TO:

TO:

NUMBER OF PAGES, EXCLUDING COVER SHEET

2

Jo Whitmore

DATE

12/30/82

(Signature)

B905220523 B21230

PDR WASTE

WM-11

PDR

1022/84/205
205

00101

U. S. DEPARTMENT OF ENERGY
NEVADA OPERATIONS OFFICE
OUTGOING FACSIMILE TRANSMITTAL
Verification Telephone No. 598-3159

(See reverse side for instructions.)

Dec 30 8 57 AM '80

FOR NV MAIL ROOM USE

A. Time Stamp

B. NV Document Control Number

FOR COMMUNICATIONS CENTER USE

253

8. DOCUMENTATION: Message transmitted consists of _____ pages, no. _____ of _____ copies, Series _____

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the required number of copies necessary to equal the total
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1st addressee, copy _____ of _____, Series _____

2nd addressee, copy _____ of _____, Series _____

3rd addressee, copy _____ of _____, Series _____

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the originator has been received to reproduce this Secret
ment.

(Signature)

(Date)

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12. EXTRA MARKING: Indicate below if message to be trans-
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- ☐ Restricted Data
☐ Formerly Restricted Data
☐ National Security Information

1. CLASSIFICATION: Indicate above whether message to be trans-
mitted is Unclassified, Privacy Act of 1974*, Official Use Only,
Proprietary, Confidential, or Secret. (*This message (does _____)
(does not _____) contain information under the purview of the
Privacy Act of 1974. If it does, dissemination to the receiving
party is allowed by _____.)

FROM:

Don Vieth

DOE/NU

598-3662

3.

Seth Coplan

NRC

X4675

TO:

TO:

4. NUMBER OF PAGES, EXCLUDING THIS FORM, TO BE TRANS-
MITTED _____

5. MESSAGE RETRIEVAL: Excluding Secret messages, indicate
whether the sender will retrieve original message.

YES ☐

NO ☒

6. OFFICIAL BUSINESS:

Jo Whitmore

(Signature of Authorizing Official)

(Date)

7. CLASSIFICATION: Indicate classification or category.

Unclassified

QUESTIONS FOR NRC FROM LOS ALAMOS - DON OARLEY 12/29/82

1. What research and development is being funded by the NRC that is relative to Yucca Mountain?
2. What model or suite of models are being developed by performance assessment?
3. What is the NRC view of the effect of temperature on Yucca Mountain mineralogy?
4. NRC is requesting a thousand-year waste package lifetime; is this because temperature excursions on the near field cannot be modeled accurately?
5. In NRC comparison of different media, how important is radionuclide retardation considered? How does NRC currently view tuff performance versus other media?
6. How important to the NRC will be these horizontal and vertical mineral zonations in Yucca Mountain?

QUESTIONS FOR NRC IN THE GEOCHEMISTRY WORKSHOP

1. Will solubility limits be required for every element in ground water typical of Yucca Mountain?
2. How wide a range on water chemistry will be required in defining maximum solubility limit?
3. What type of field test did NRC have in mind for use in verifying laboratory measurements?
4. What are the geochemical properties for the controlled area that NRC considers important? On what level of spatial resolution must these properties be supplied?
5. What level of accuracy and precision does NRC believe is essential for the measurements to have?
6. What type of data will be required to show that a favorable condition does exist from a geochemical viewpoint such as
 - a. Promotion of precipitation
 - b. Inhibiting formation of particulates, colloids, etc.
 - c. Inhibiting movement of transport of particulates, colloids, etc.
7. What constitutes "high ionic strength"?
8. What are the important sections in 10CFR60 that apply to geochemistry?
9. How would NRC expect to receive input on fracture fill? How large a sample of fractures would be considered to be representative?
10. How will data on the variation of mineral phases fracture fill be used?
11. How will isotopic exchange data be used?