

1:11-RC5  
WM Record File

B-0287  
ORNL

WM Project 10 '4'

Docket No.

PDR

LPDR B, N, S

See Docket # 5 for end

DISTRIBUTION

WM s/f (B0298)  
WMGT r/f  
NMSS r/f  
REBrowning  
MBell  
JOBunting  
MRKnapp  
DJBrooks & r/f  
KCJackson  
PDR  
LPDR (B,N,S)

Distribution:

426-1/DJB/B0287/85/05/22

- 1 -

(Return to WM, 623-SS)

MAY 23 1985

Susan K. Whatley, Manager  
Engineering Analysis and Planning  
Chemical Technology Division  
Oak Ridge National Laboratory  
P.O. Box X  
Oak Ridge, TN 37830

Dear Ms. Whatley:

SUBJECT: CONTRACT NO. NRC-50-19-03-01, FIN B-0287, ORNL NO. 41-37-54-92-4,  
"TECHNICAL ASSISTANCE IN GEOCHEMISTRY," April (1985) MONTHLY  
PROGRESS REPORT"

I have reviewed the April monthly progress report dated May 6, 1985. Based on my review, I have the following comments:

Task 1 - BWIP Geochemical Technical Assistance

- Progress to date is satisfactory.
- Attachment 1 is a copy of our draft site technical position on hydrazine. Please review the document. Note that the basis of this position is Kelmers et al., 1984. In this regard, please have Don Kelmers supply the information noted on pages 5 and 6. If possible, comments should be received by June 7, 1985. If you anticipate problems in meeting this schedule, please contact me.

Task 2 - NNWSI Geochemical Technical Assistance

- Progress to date is satisfactory.
- The ORNL evaluation of USGS Report 84-4375, "Conceptual Hydrologic Model of Flow in the Unsaturated Zone, Yucca Mountain, Nevada" was appreciated. I gave Linda Kovach a copy, and will see that it is distributed to others in the branch. I will provide any feedback get in my next monthly reply.

Task 3 - Salt Site Geochemical Conditions

- Progress to date is satisfactory.
- Attachment 2 is a draft topical report on brine migration written by Walton Kelly. Please have this reviewed. I would like to have ORNL

DFC	:WMGT	:WMGT	8506120141	850523	:	:
			PDR	WMRES	EXI	ORNL
			B-0287		PDR	
NAME	:DJBrooks;mt	:KCJackson	:	:	:	:
DATE	:85/05/	:85/05/	:	:	:	:

1622

comments back by June 14, 1985. If you anticipate that you cannot meet this schedule, please contact Walt Kelly (FTS 427-4571).

Task 4 - Short-term Geochemical Technical Assistance

- ° Progress to date is satisfactory.

Task 5 - Project Management

- ° Progress to date is satisfactory.
- ° Please keep me informed on the progress of (1) the ORNL/Brookins analog work, (2) the letter report on plutonium, and (3) the letter report on americium.

The action taken by this letter is considered to be within the scope of the current contract NRC-50-19-03-01/FIN B-0287. No changes to cost or delivery of contracted services and products are authorized. Please notify me immediately if you believe that this letter would result in changes to costs or delivery of contracted products.

Sincerely,

**Original Signed By**

David J. Brooks  
Geochemistry Section  
Geotechnical Branch  
Division of Waste Management  
Office of Nuclear Material Safety  
and Safeguards

Enclosures:  
As Stated

DFC	: WMGT	<i>[Signature]</i>	: WMGT	<i>[Signature]</i>	:	:	:	:	:
NAME	: DJBrooks	mt	: KCJackson		:	:	:	:	:
DATE	: 85/05/22		: 85/05/23		:	:	:	:	: