

B0287

LPDR

Wm-10 (2)

Wm-11 (2)

Wm-16 (2)

✓ 426.1 DB/87/04/27 87202

- 1 -

APR 28 1987

Dr. A. D. Kelmers  
Chemical Technology Division  
Building 4500 N/Room 268  
P.O. Box X  
Oak Ridge National Laboratory  
Oak Ridge, TN 37831

Dear Dr. Kelmers:

SUBJECT: CONTRACT NO. NRC-50-19-03-01, FIN B-0287, ORNL NO. 41-37-54-92-4,  
"TECHNICAL ASSISTANCE IN GEOCHEMISTRY: MARCH (1987), MONTHLY  
PROGRESS REPORT"

I have reviewed the March monthly progress report dated April 9, 1987. Based on my review, I have the following comments:

- Progress to date is satisfactory
- I am planning a basalt/BWIP data review that would cover their use of hydrazine to reduce radionuclides. A preliminary target date for holding the data review is the week of 22 June. ORNL participation at this review is requested.

The data review is intended to be the next step in finalizing the draft STP on Hydrazine. In preparation for the data review, please review the enclosed DOE comments (Enclosure 1). Based on your evaluation of these comments, please update, where necessary, ORNL letter report "Reconsideration of the NRC Draft Site Technical Position On The Use of Hydrazine..." (LR-287-47 06/20/86). As part of the update, please address the types of testing that would need to be done to support the use of hydrazine to simulate site redox conditions.

- I have given the draft ORNL technical report on geochemical conditions in basalt to Tin Mo for review. He will coordinate NRC comments and discuss them with you by the end of May.
- Please provide us with a print out of basalt/BWIP documents that address site mineralogy/petrology.
- Please review "Chemical Reactions On Clays" with respect to how such reactions could effect high-level waste disposal (Enclosure 2). Contact me concerning the schedule for this work.

WM-RES  
WM Record File  
B0287  
ORNL

WM Project 10, 11, 16  
Docket No. \_\_\_\_\_  
PDR ✓  
XLPDR ✓ (B, N, S)

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Distribution:

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APR 28 1987

- 2 -

The action taken by this letter is considered to be within the scope of the current contract FIN B-0287. No changes to costs or delivery of contract products is authorized. Please notify me immediately if you believe this letter would result in changes to costs or delivery of contracted products.

Sincerely,

**ORIGINAL SIGNED BY**

David J. Brooks, Acting Section Leader  
Geochemistry Section  
Technical Review Branch  
Division of High-Level Waste Management  
Office of Nuclear Material and Safety  
and Safeguards

Enclosures:  
As stated

OFFICIAL CONCURRENCE AND DISTRIBUTION RECORD

LETTER TO: Dr. A. D. Kelmers  
 Chemical Technology Division  
 Building 4500 N/Room 268  
 P.O. Box X  
 Oak Ridge National Laboratory  
 Oak Ridge, TN 37831

FROM: David J. Brooks, Acting Section Leader  
 Geochemistry Section  
 Technical Review Branch  
 Division of High-Level Waste Management  
 Office of Nuclear Material and Safety  
 and Safeguards

SUBJECT: CONTRACT NO. NRC-50-19-03-01, FIN B-0287, ORNL NO.  
 41-37-54-92-4, "TECHNICAL ASSISTANCE IN GEOCHEMISTRY:  
 MARCH (1987), MONTHLY PROGRESS REPORT"

DATE: 87/04/ APR 28 1987

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CONCURRENCES

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87/04/

(Mailed by the WMDCC)  
APR 27 9:30  
Date: // Time: ✓

FROM: <b>AD Kelmers, ORNL</b>	DATE OF DOCUMENT <b>4/9/87</b>	DATE RECEIVED <b>4/14</b>	NO.: <b>MM 87-202</b>
	LTR. <b>XX</b>	MEMO:	REPORT: <b>XX</b>
TO: <b>D.J. Brooks</b>	ORIG.:	CC: <b>XX</b>	OTHER:
	ACTION NECESSARY <input checked="" type="checkbox"/>	CONCURRENCE <input type="checkbox"/>	DATE ANSWERED: <b>4/28/87</b>
	NO ACTION NECESSARY <input type="checkbox"/>	COMMENT <input type="checkbox"/>	
CLASSIF.: POST OFFICE REG. NO.:	FILE CODE: <b>426.1</b>		
DESCRIPTION: (Must Be Unclassified) <b>March Monthly Progress Rpt for A FIN D0287</b>	REFERRED TO	DATE	RECEIVED BY
	<b>R Ballard, HLTR</b>	<b>4/14</b>	<i>R Ballard</i>
	<b>D Brooks, HLTR</b>	<b>4/14</b>	
ENCLOSURES:  <b>Ticket closed out by letterk to Dr. A.D. Kelmers on 87/04/28.</b>			
REMARKS: <i>Action logged in by eg 4/15</i>			