

OCT 27 1986

DISTRIBUTION

- WM s/f (B0287) ✓
- WMGT r/f
- NMSS r/f
- RBrowning
- MBell
- JBunting
- PJustus
- DBrooks & r/f
- KJackson
- PDR
- LPDR (B,N,S)
- EDavis

~~426.1/86/10/27/DB~~

- 1 -

WM-RES
 WM Record File
 B0287
 ORNL

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

Dr. Gary K. Jacobs
 Environmental Sciences Division
 Building 1505/Room 312
 P.O. Box X
 Oak Ridge National Laboratory
 Oak Ridge, TN 37831

Distribution: _____

 (Return to WM, 623-SS)

Dear Dr. Jacobs:

SUBJECT: CONTRACT NO. NRC-50-19-03-01, FIN B-0287, ORNL NO. 41-37-54-92-04,
 "TECHNICAL ASSISTANCE IN GEOCHEMISTRY" SEPTEMBER (1986) MONTHLY
 PROGRESS REPORT

I have reviewed the September monthly progress report dated October 9, 1986.
 Based on my review, I have the following comments.

Task 1 Basalt Geochemical Technical Assistance:

- Progress to date is satisfactory.
- ORNL review of The Effect of Basalt on the Release of Tc(99), Np(237) and Pu(239) from Borosilicate Glass Under Hydrothermal Conditions (SD-BWI-TI-190, 1983) was received. If I have any comments, I will contact Jim Biancoe directly.
- Comments on the ORNL topical report concerning the geochemical conditions in basalt are being compiled. I anticipate that they will be included in my next monthly response letter.
- Concurrent with the preparation of the final topical report reviewing the information on radionuclide solubility for a basalt site, please send a copy to me for my final review.
- Plans are being made for a hydrochemistry data review during the first week of December (Enclosure 1). I will call you during the week of 27 October to discuss possible ORNL participation.

Task 2 Tuff Geochemical Technical Assistance:

- Progress to date is satisfactory.
- ORNL review of Dissolutions and Precipitation . . . (Sand. 84-0192/1984) was received. This review has been given to John

OFC : WMGT	B701270014	B61027		
	PDR	WMRES	EXI	ORNL
	B-0287		PDR	
NAME : DBrooks/				
DATE : 86/10/27				3595

Bradbury for comment. If there are any questions, G. D. O'Kelley will be contacted directly. If there are any comments, they will be included in the next monthly response letter.

Task 3 Salt Geochemical Technical Assistance:

- o Progress to date is satisfactory.
- o ORNL review of "Thorium Adsorption in the Ocean: Reversibility and Distribution Amongst Particle Sizes" was received. The review was distributed to the staff for information and comments. If the staff have any questions they will contact K. L. Von Damm directly. If there are any comments, they will be included in the next monthly response letter.

General:

- o During FY87, document reviews need to continue to stress the viability of the experimental strategy/approach that is either discussed or implied in the document, the appropriateness of the specific test methods used to obtain the reported data, alternative interpretations of the results, and the application of media specific work/data to other media being investigated by DOE.

The action taken by this letter is considered to be within the scope of the current contract (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 cost or delivery of contracted products.

Original Signed By

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

Enclosure:
As stated

OFC	:WMGT	:	:	:	:	:	:
NAME	:DBrooks/rw	:	:	:	:	:	:
DATE	:86/10/	:	:	:	:	:	:

Enclosure 1

CONVERSATION RECORD

TIME 11:37 am

DATE 10/20/86

TYPE		<input type="checkbox"/> VISIT <input type="checkbox"/> CONFERENCE <input checked="" type="checkbox"/> TELEPHONE		ROUTING	
		<input type="checkbox"/> INCOMING <input checked="" type="checkbox"/> OUTGOING		NAME/SYMBOL	INT
Location of Visit/Conference: Silver Spring, MD to Richland, WA				WA File 101	AAHole
NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU		ORGANIZATION (Office, dept., bureau, etc.)	TELEPHONE NO.	P Justis	Nolen
J. Mecca/D. Dahlem/M. Thompson		DOE-RL (BWID)	FTS 444-5038	PH Hildenbrand	DB [unclear]
SUBJECT		STATUS OF BWIP HYDROLOGY DATA REVIEW		J Linehan	FR Cook
				M Fliegel	H Lefen

SUMMARY

As agreed on Thursday, October 16, 1986, Paul Hildenbrand and I contacted BWIP to convene a conference call to discuss the status of the BWIP Hydrology Data Review. DOE-RL representatives included Jim Mecca, Dave Dahlem, and K. Michael Thompson. Contrary to the outcome of the discussion between M. Weber and J. Mecca on October 16, DOE-RL now considers that it can support a hydrology data review during December. DOE will assign staff who are not presently working on developing the hydrology testing strategy to support the data review. NRC indicated that the data review will not involve interpretive discussions of the data, but questions may be asked to clarify the data reviewed by the NRC team. As an alternative, NRC offered to transmit these clarification questions to DOE within 2 weeks after the data review. NRC indicated its preference to conduct the data review during the first week of December (December 1-5). Pending confirmation of these dates by DOE, NRC will transmit a letter of request for the data review to DOE. NRC also invited DOE to participate in a pre-data review visit to an NRC-RES field site at Creston, Washington. DOE indicated that it will confirm the dates for the data review by October 22, 1986.

ACTION REQUIRED

After DOE confirms dates, send letter of request to DOE; inform states and tribes.

NAME OF PERSON DOCUMENTING CONVERSATION	SIGNATURE	DATE
Michael F. Weber	<i>Michael F. Weber</i>	86/10/20

ACTION TAKEN

Pending; draft letter provided to WMRP for review and transmittal.

SIGNATURE	TITLE	DATE
<i>Michael F. Weber</i>	Hydrogeologist	86/10/20

FROM ORNL		DATE OF DOCUMENT 10/9/86	DATE RECEIVED 10/11/86	NO MM-86851
TO DBrooks		LTR XX	MEMO	REPORT
CLASSIF		ORIG.	CC XX	OTHER
POST OFFICE		ACTION NECESSARY <input checked="" type="checkbox"/>	CONCURRENCE <input type="checkbox"/>	DATE ANSWERED 10/28
REG. NO.		NO ACTION NECESSARY <input type="checkbox"/>	COMMENT <input type="checkbox"/>	BY
DESCRIPTION (Must Be Unclassified) Sep 86 Report for FIN B0287		FILE CODE: 426.1		
ENCLOSURES <i>Ticket closed ^{out} by letter to Dr. Jacobsen Bullets 1, 2 and 4. Ticket closed out on 86/10/27. RW</i>		REFERRED TO PJustus	DATE 10/14	RECEIVED BY <i>[Signature]</i>
REMARKS <i>Logged in 5520 dbw</i>		DBrooks	10/15	

FROM ORNL		DATE OF DOCUMENT 10/9/86	DATE RECEIVED 10/14/86	NO MM 86849 RRR&X
		LTR <input checked="" type="checkbox"/>	MEMO	REPORT
TO DBrooks Kien Chang, WMEG		ORIG.	CC XX	OTHER
		ACTION NECESSARY <input checked="" type="checkbox"/>	CONCURRENCE <input type="checkbox"/>	DATE ANSWERED BY 10/28/86
		NO ACTION NECESSARY <input type="checkbox"/>	COMMENT <input type="checkbox"/>	
CLASSIF	POST OFFICE	FILE CODE: 426.1		
	REG. NO.			
DESCRIPTION (Must Be Unclassified)		REFERRED TO	DATE	RECEIVED BY
Sept. Monthly Progress Report for FIN B0287		JGreaves Augustus	10/14	J. F. Jacobs
		KChang DBrooks	10/15	
ENCLOSURES				
Ticket closed out by a letter to Dr. Jacobs on 86/10/27. RW				
REMARKS				
Loaded in 5520 d/w				