

1093

406.1/JS/83/04/06/0

- 1 -

MAY 04 1983

WMHT: ~~3406.1~~

J. William Bennett, Director  
Geologic Repository Division  
Nuclear Waste Policy Act Project Office  
U.S. Department of Energy  
S-10  
Washington, DC 20545

WM Record File

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PDR ☒  
LPDR \_\_\_\_\_

WM-1

Dear Mr. Bennett:

Distribution:

(Return to WM, 623-SS)

C2

This letter is to request your assistance in establishing a coordination procedure by which Nuclear Regulatory Commission (NRC) contractors can make requests of the Department of Energy (DOE) for site-specific samples from potential high-level radioactive waste repository sites.

As you are aware, the NRC is conducting independent research in selected technical areas of high-level waste in support of our site characterization review and licensing responsibilities. To date, NRC researchers have been using generic rock/water samples. However, in order to make the NRC investigations more site-specific and relevant, it is necessary to use site-specific materials, because the experimental results may be critically dependent on the properties of the particular host rock or groundwater.

A list of the projects which we now know will need site-specific materials for maximum effectiveness is attached. More information is contained in contracting documents previously transmitted to DOE (i.e., letter from H.J. Miller to R. Stein on 12/17/81 in response to the "DOE-NRC Procedural Agreement for the Coordination of DOE and NRC High-Level Waste Programs" of 4/27/81) and more recently by presentations at the NWTS review meeting on 12/15/82.

In order to screen the requests and to cause you and your contractors as little inconvenience as possible, I propose we set up a coordination procedure for processing the requests. Specifically, I propose a meeting between our staffs to discuss: 1) specific request procedures, 2) sampling/documentation, and 3) information exchange. We would like to meet as soon as possible because several of our projects are at a stage where they could benefit from the use of site-specific materials.

OFC	WMHT	WMHT	WMHL	RES	WM		
NAME	RJStarmar	HJMiller	MJBell	RConti	REBrowning		
DATE	83/04/18	4/ /83	4/ /83	4/ /83	4/ /83		

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Your points of contact at the NRC for this meeting should be  
Hubert J. Miller (427-4177) or R. John Starmer (427-4541).

Sincerely,

Original Signed by  
Robert E. Browning

Robert E. Browning, Acting Director  
Division of Waste Management

Enclosure:  
Project List

See previous concurrences

OFC	:WMHT	:WMHT	:WMH	:RES	:WM	:	:
NAME	:RJStarmer	:HJMiller	:HJBell	:RConti	:REBrowning	:	:
DATE	:83/04/06	:4/ /83	:4/25/83	:4/26/83	:4/29/83	:	:

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- 2 -

Your points of contact at the NRC should be Hubert J. Miller (427-4177)  
or R. John Starmer (427-4541).

Sincerely,

Robert E. Browning, Acting Director  
Division of Waste Management

Enclosure:  
Project List

OFC	: WMHT	: WMHT	: WMHL	: RES	: WM	:	:
NAME	: RJStarmer	: RJMiller	: MJBell	: RConti	: REBrowning	:	:
DATE	: 83/04/18	: 4/ /83	: 4/ /83	: 4/ /83	: 4/ /83	:	:

## Attachment 1

<u>PROJECT</u>	<u>MATERIALS</u>	<u>SUBJECT</u>
ORNL geochemistry	Rock Alteration products Water	Solubility and Sorption
U. of Arizona mass sealing	Rock	Seal-host rock compatibility
BNL waste package investigations	Rock	Waste package rock interactions
LBL geochemistry	Rock Alteration products Water	Hydrothermal testing, Isotopic investigations
ANL geochemistry	Rock Water Alteration products	Hydrothermal testing
Battelle Columbus	Rock (Water)	Waste package investigations