

102 PDR-1
LPDR-Wm-11 (2)

✓426.1/B0290/JWB/87/04/23

- 1 -

APR 23 1987

Mr. Paul Prestholdt, On-Site Representative
U. S. Nuclear Regulatory Commission
1050 East Flamingo Road Suite 319
Las Vegas, Nevada 19119

Dear Mr. Prestholdt:

I would like to request additional J-13 groundwater for use in column sorption experiments being conducted by NRC contractors at Oak Ridge National Laboratory. Please arrange with the DOE for the aquisition of this groundwater consistent with the NRC-DOE Project-Specific Procedural Agreement.

Enclosed is a note to me from R. E. Meyer asking for natural groundwater. It has been found that synthetic groundwater is unsatisfactory in the column experiments because an unidentified solid precipitates from solution and plugs the filters of the system. Thus, it has been concluded that natural J-13 would be more appropriate for these experiments.

Given the current rate of experimentation, I anticipate that the twelve gallons requested by R. E. Meyer would last more than one year. I appreciate your effort and those efforts of your DOE counterparts in Nevada in arranging this aquisition of site-specific materials.

Sincerely,

151

John W. Bradbury, Project Manager
Geochemistry Section
Technical Review Branch
Division of High-Level Waste Management
Office of Nuclear Material Safety
and Safeguards

Enclosure:
As stated

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PDR WASTE
WM-11 PDR

WM Record File
102

WM Project 11
Docket No. _____
PDR ✓
XLPDR ✓ (N)

Distribution: _____

(Re) 8705 005715 H

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To: John Bradbury (NRC)

From: R. E. Meyer (ORNL)

Subject: J-13 Wellwater

Project: Laboratory Evaluation of DOE Radionuclide Solubility Data and Selected Retardation Parameters, Experimental Strategies, Laboratory Techniques, and Procedures (FIN# B0290)

To enable us to carry out our laboratory evaluation procedures, we are requesting an additional supply of J-13 well water. This supply is especially critical now because we have found that the synthetic J-13 that we have used is not satisfactory for operation in columns. We have therefore prepared 12 one gallon bottles and we will ship them to the supplier. (Please supply us with the address.) We request that the bottles be completely filled with fresh J-13 and sealed immediately with tape. They may be shipped collect to us in the same carton. Please address the carton as follows.

Martin Marietta Energy Systems
X-10 Plant, Bldg. 4500N, E-25
Attn. R. E. Meyer (574-5045)
Oak Ridge TN 37831

The suggested carrier is Roadway Express Motor Freight. Please ship collect; when it arrives I will be contacted for the appropriate charge number.

For the long term, we would like to set up the following procedure. Whenever our supply of J-13 is reduced to 6 gallons, we will send a carton containing 6 empty bottles for refill.

OFFICIAL CONCURRENCE AND DISTRIBUTION RECORD

LETTER TO: Mr. Paul Prestholdt, On-Site Representative
U. S. Nuclear Regulatory Commission
1050 East Flamingo Road Suite 319
Las Vegas, Nevada 19119

FROM: John W. Bradbury, Project Manager
Geochemistry Section
Technical Review Branch
Division of High-Level Waste Management
Office of Nuclear Material Safety
and Safeguards

SUBJECT: LETTER TO P. PRESTHOLDT REQUEST J-13 GROUNDWATER

DATE: 04/23/87 **APR 28 1987**

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CONCURRENCES

ORGANIZATION/CONCUREE	INITIALS	DATE CONCURRED
WM/JBradbury	<u>JWB</u>	87/04/23

(Mailed by the WMDCO)
4/27/87 11:10
Date: / / Time: / /