

B0287
426-1/DB/86/03/27

WM-RES
MAR 27 1986
WM Record File
B0287
ORNL

WM Project 10,14,16
Docket No.

- 1 -

PDR ✓
LPDR ✓ (B, N, S)

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incl. already in the res

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

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Dear Dr. Jacobs:

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

I have reviewed the February monthly progress report dated March 12, 1986. Based on my review I have the following comments.

Task 1 BWIP Geochemical Technical Assistance

- o Progress to date is satisfactory.
- o An appendix 7 meeting is being planned for the last part of May. The meeting will address waste package testing and geochemical conditions near the waste package. As the plans are firmied up, I will inform you of the details. I am also considering trying to arrange a sorption meeting for the same time.
- o ORNL review of "Examination of Solids from Hydrothermal tests . . ." was received. If there are any questions I will contact Jim Blencoe directly.
- o Attached is a listing of references for the BWIP EA (Enclosure 1). The "*" indicate new references. Please have this reviewed for key references.

Task 2 Yucca Mountain Geochemical Technical Assistance

- o Progress to date is satisfactory.
- o ORNL reviews of "The Behavior of Actinide Containing Glasses During Gamma Irradiation in . . . Tuff . . .," "Hydrothermal Interaction of Tapopah Spring Tuff With J-13 Water . . .," and "Distribution of

JFC :WMGT	:	:	:	:	2953
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Plutonium and Americium . . . " were received and distributed to John Bradbury and Linda Kovach. If they have any questions they will contact you directly.

Task 3 Salt Site Geochemical Technical Assistance

- o Progress to date is satisfactory.

Task 4 Short-Term Technical Assistance

- o Progress to date is satisfactory.
- o The ORNL review of "An Assessment of the Important Radionuclides in Nuclear Waste" was received. A copy was given to Tin Mo who is coordinating our work in this area. Either I or he (or both) will call you if we have any questions.
- o Plans for our sorption meeting are progressing. I have reserved the first floor conference room for May 13, 14 and 15.

Task 5 Project Management

- o Progress to date is satisfactory.
- o Attached for your information is a copy of the Federal Register notice concerning the establishment of an FFRDC (Enclosure 2).
- o Attached for your information is a HLW Glossary developed by the HLW Projects Branch and the Office of Research. Please distribute this to the staff (Enclosure 3).
- o Attached is our review plan for reviewing the final EA's (Enclosure 4). At this point, I consider that ORNL involvement in this review will be minimal. As I see it, ORNL would provide technical Q.A. for our final comments. To prepare for this role, you will need to refresh yourselves concerning our previous comments and review new key references. We can discuss the details of your role after you have scanned the review plan.

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

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contracted products is authorized. Please notify me immediately if you believe that this letter would result in changes to cost 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

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