

10/22/87

PDR-1
LPDR-WM-10 (2)
WM-11 (2)
WM-16 (2)

426.1/PJB/87/10/18

- 2 -

Dr. Malcolm D. Siegel
Division 6431
Sandia National Laboratories
Albuquerque, NM 87185

WM-RES
WM Record File
A1756
SNK

WM Project 10, 11, 16
Docket No. _____

PDR ✓
XLPDR ✓ (B, A, S)

Distribution: _____

Dear Dr. Siegel:

(Return to WM, 623-SS)

SUBJECT: CONTRACT NO. 50-19-03-01/FIN A-1756, "GEOCHEMICAL SENSITIVITY ANALYSIS"

I have reviewed the August 1987 monthly progress report for the above contract, dated September 15, 1987. Based on my review of this report, progress to date is satisfactory.

I have completed my review of the "rough draft" of the Sandia Sorption Data Management System (SSDMS) User's Guide, which you sent to the NRC in early September. As you know, the data base for which this User's Guide was written has not yet been delivered to the NRC. Based on my review of this draft document, however, I feel that it will be a useful guide for those who will access the SSDMS. I did find that a reference (Phillips and others, 1987) is cited in the text of the report (p. 1-2), but no reference section is included in the document. This should be corrected in the next draft.

I have identified the SSDMS as a data base which will eventually be incorporated into the NRC's agency-wide data base access system (known as SINET). I feel that it would be most beneficial to the agency if the SSDMS User's Guide (and the three volumes of associated data) are published as NUERG reports, rather than in the current Letter Report format. Please advise me if this will cause any delay in delivery of these products to the NRC.

The August Monthly Report states that the requirements of Task II will be fulfilled when the results of calculations being done at Stanford University on sorption behavior in the presence of an organic complexing agent and a Letter Report summarizing available data on amounts and speciation of organic ligands present at candidate HLW repository sites are prepared during the first quarter of FY88. I will be reviewing previous work done under Task II ("Uncertainty in Radionuclide Discharge Due to Complexation by Organic Ligands and Colloids") so that we may agree that the requirements for Task II will indeed be fulfilled when the above work is delivered to the NRC.

The rough draft of the Interim Report, which I received from you in early September, is missing Page 24. Please send this page to me as soon as possible.

In the next Monthly Report (for October), could you please include:
1) A brief summary of the status of work under A-1756 on the tuff site;
2) A list of the codes which you will link to the Aqueous Solutions Database;
3) A Reference for information on the NEFTRAN code.

8712140161 871022
PDR WMRES EXISANL
A-1756 PDR

88127139
WM Project: WM-10, 11, 16
PDR yes
(Return to WM, 623-SS)

WM Record File: A-1756
LPDR yes

H

4168

Finally, the initial copy of the monthly report for August was apparently never received by the NRC. I did not receive a copy of the monthly until the second copy you sent (via overnight delivery) arrived on October 14. Since it is unclear where the mix-up occurred, I would appreciate it if you would check this out with your distribution people. I must receive the Monthly Reports in a timely manner so that I may adequately monitor the progress of this contract.

The action taken by this letter is considered to be within the scope of the current contract FIN A-1756. No change 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

Paul J. Bembia
Geochemistry Section
Technical Review Branch
Division of High-Level Waste Management
Office of Nuclear Material Safety
and Safeguards

Enclosure:
As stated

OCT 22 1987

426.1/PJB/87/10/18

- 1 -

OFFICIAL CONCURRENCE AND DISTRIBUTION RECORD

LETTER TO: Dr. Malcolm D. Siegel
 Division 6431
 Sandia National Laboratories
 Albuquerque, NM 87185

FROM: Paul J. Bembia
 Geochemistry Section
 Technical Review Branch
 Division of High-Level Waste Management
 Office of Nuclear Material Safety
 and Safeguards

SUBJECT: CONTRACT NO. 50-19-03-01/FIN A-1756, "GEOCHEMICAL
 SENSITIVITY ANALYSIS"

DATE: 87/10/

DISTRIBUTION

HLWM/SF	NMSS RF	RBrowning, HLWM
MBell, HLWM	JBunting, HLSE	Youngblood, HLOB
RBallard, HLTR	PBembia, HLTR&RF	DBrooks, HLTR
JBradbury, HLTR	JTesoriero, HLTR	TMo, HLTR
HLTR RF	PDR	EDavis, PDMA

CONCURRENCES

ORGANIZATION/CONCUREE	INITIALS	DATE CONCURRED
HLTR/PBembia	<u>PJB</u>	87/10/21
HLTR/DBrooks	<u>[Signature]</u>	87/10/21