

A1756

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

✓ 426.1 WK/87/05/28

- 1 -

JUN 1 1987

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

Dear Dr. Siegel:

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

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

I received a reply to our questions on the NEA data base from Dr. Hans Wanner, and enclose a copy (enclosure 1). Note that they have developed interface codes for both PHREEQE and MINEQL and are developing one for EQ3/EQ6. Do you think it would be helpful to obtain copies of these codes? Also note that he is not aware of the NBS CATCH System.

I also received information from Dr. David Garvin at NBS on the evaluation by the CATCH system of the Pu data that I provided. I enclose a copy of the original data and his results for your information (enclosure 2). Because I did not provide any "conflicting" data, no weighting was necessary, and the free energies of formation were calculated in a one-step manner. If you have any questions on the material, please call.

I enclose a first draft of my input to SAND87-1133A, "Development of a Methodology for Geochemical Sensitivity Analysis for Performance Assessment" (enclosure 3). Please provide me with your comments and criticisms.

I received the revised milestone schedule you sent; it looks fine. When will you be sending me the Stanford NUREG report? Please let me know what you hear about the Airlie House Conference.

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

87189487 / 15

WM Project: WM-10, 11, 16

PDR yes

(Return to WM, 623-SS)

WM Record File: A1756

LPDR yes

WM-RES
WM Record File
A1756
SNL

WM Project 10, 11, 16

Docket No.

PDR ✓

XLPDR ✓ (B, A, S)

Distribution:

(Return to WM, 623-SS)

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PDR WMRES EXISANL
A-1756 PDR

3952

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products is authorized. Please notify me immediately if you believe this letter would result in changes to costs or delivery of contracted products.

Sincerely,

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Walton R. Kelly
Geochemistry Section
Technical Review Branch
Division of High-Level Waste Management
Office of Nuclear Material Safety
and Safeguards

Enclosures:
As stated

426.1 WK/87/05/28

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OFFICIAL CONCURRENCE AND DISTRIBUTION RECORD

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

FROM: Walton R. Kelly
Geochemistry Section
Technical Review Branch
Division of High-Level Waste Management

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

DATE: 87/05/ JUN 1 1987

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CONCURRENCES

| ORGANIZATION/CONCUREE | INITIALS | DATE CONCURRED |
|-----------------------|------------|----------------|
| HLWMTR/WKelly | <u>WRK</u> | 87/05/29 |

(Mailed by the WMDCA)
6387 3:20
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|--|-------------|--|--|--------------------------------------|--|-----------------------|--|
| FROM Sandia | | DATE OF DOCUMENT 5/15/87 | | DATE RECEIVED 5/27/87 | | NO WM-87262 | |
| | | LTR XX | | MEMO | | OTHER | |
| TO WKelly | | ORIG. | | CC XX | | OTHER | |
| | | ACTION NECESSARY <input checked="" type="checkbox"/> | | CONCURRENCE <input type="checkbox"/> | | DATE ANSWERED | |
| | | NO ACTION NECESSARY <input type="checkbox"/> | | COMMENT <input type="checkbox"/> | | BY 6/10 | |
| CLASSIF | POST OFFICE | FILE CODE: 426.1 | | | | | |
| | REG. NO. | | | | | | |
| DESCRIPTION (Must Be Unclassified) Apr 87 Report for FIN A1756 | | REFERRED TO | | DATE | | RECEIVED BY | |
| | | RBealard | | 5/27 | | VRB | |
| | | WKelly | | | | WRK | |
| ENCLOSURES | | | | | | | |
| Ticket closed out by letter to Dr. M. D. Siegel on 87/06/01. | | | | | | | |
| dfw | | | | | | | |
| REMARKS logged in 5/29 eg. | | | | | | | |