

DISTRIBUTION
WM s/f (A7150)
WMGT r/f
NMSS r/f
REBrowning
MBell
JOBunting
MRKnapp
WRKelly & r/f
KCJackson
PDR
LPDR (B N, S)

426-1/A7150/WRK/85/10/28

- 1 -

OCT 29 1985

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

Dear Dr. Siegel:

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

I have reviewed the September, 1985 monthly progress report for the above contract, dated October 14, 1985. Based on my review of this report, progress to date is satisfactory. I have been discussing your proposal to write data base preprocessors for PHREEQE and MINEQL. A preprocessor for EQ3/EQ6 may be more useful than one for PHREEQE. However, isn't there a program that converts PHREEQE formatted data to EQ3/EQ6 formatted data? Do you know anything about this program and whether or not it is applicable?

George Birchard has some comments on your report "Geochemical Sensitivity Analysis for Performance Assessment of HLW Repositories: Effects of Speciation and Matrix Diffusion." He is uncertain how to use the results of your studies because there are large uncertainties in every part of the system being analyzed. He feels that in your approach only geochemistry is being treated as having uncertainties.

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 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

Walton R. Kelly
Geochemistry Section
Geotechnical Branch
Division of Waste Management
Office of Nuclear Material Safety
and Safeguards

WM-RES
WM Record File
A1756
SNL

WM Project 10, 11, 16
Docket No. _____
PDR
LPDR BNS

Distribution:

(Return to WM, 623-SS)

SAC

8512110502 8510209
PDR WMRES EXISANL
A-1756 PDR

OFFICER	: WMGT	: WRK	:	:	:	:	:
NAME	: WRKelly;mt	:	:	:	:	:	:
DATE	: 85/10/29	:	:	:	:	:	:

2562