

WM Rec File
A-1756
SNL

WM Project 10, 11, 16
Docket No. _____
FEB 28 1985
PDR ✓
LPDR ✓ (B, N, S)

TRIBUTION
s/f (FIN A1756) ✓
WMGT r/f
NMSS r/f
REBrowning
MBell
JBunting
MRKnapp
WRKelly & r/f
RJStarmer
PDR
LPDR (B, NS,)

426.1/WRK/85/02/27 Distribution:

(Return to WM, 623-SS)

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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 January, 1985 monthly progress report for the above contract, dated February 1, 1985. The report is not up to your usual standards in that it is lacking in technical detail. Therefore, it is difficult for me to fully understand the work you performed last month. Specific comments I have include the following:

- Under subtask 1A, does "tabulated values" mean that the values are measured? In addition to a clear identification of calculated versus measured values, there should be a clear identification of surrogate values in the data; e.g., the use of Gd or other rare earth element data for Am.
- Under subtask 1B, I would like more information concerning the compilation of site density and surface binding constant data. What is the source of the information and what elements are being considered?
- Under subtask 1D, I would like a copy of the report on TRANQL which you reviewed; the only information I presently have on the applicability of TRANQL is a trip report in the December monthly progress report. Are the calculations being carried out at Stanford concerned with run time? I would like more detailed information on what is being done at Stanford and the basis for their actions. If TRANQL is presently unusable over repository distances and times, why are you performing a bench-marking calculation? Also, I was under the impression that you would be providing more information regarding the convective-despersion-reaction equation developed at SNLA in this report.
- See the enclosure for a mark-up regarding distribution of the monthly reports.

WM-RES
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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

Enclosures:
As Stated

FC :WMGT	:	:	:	:	:	:	:
AME :WRKelly;mt	:	:	:	:	:	:	:
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