



UNITED STATES DEPARTMENT OF COMMERCE  
National Bureau of Standards  
Gaithersburg, Maryland 20899

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(Return to WM, 823-03)

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Mr. Everett A. Wick  
Division of Waste Management  
Engineering Branch  
U. S. Nuclear Regulatory Commission  
7915 Eastern Avenue  
Silver Spring, MD 20910

Re: Monthly Letter Status Report for April 1985 (FIN-A-4171-5)

Dear Mr. Wick:

Attached is the monthly progress report the project entitled  
"Evaluation and Compilation of DOE Waste Package Test Data"  
(FIN-A-4171-5). The financial information is reported separately.

Sincerely,

*Charles G. Interrante*

Charles G. Interrante  
Program Manager  
Corrosion Group  
Metallurgy Division  
Center for Materials Science

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Monthly Letter Status Report for April 1985

Published June 1985

(FIN-A-4171-5)

Performing Organization: National Bureau of Standards  
Gaithersburg, MD 20899

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Office of Nuclear Materials Safety and Safeguards  
Silver Spring, MD 20910

Task 1 - Review of Waste Package Data Base

The NBS Program Manager initiated his reading of selected documents furnished by NRC. This initial reading of some of the most pertinent literature was done to obtain general background information needed to assess the areas of science and engineering that are most critical in the development of a team of technical reviewers and researchers for the evaluations and assessments of DOE waste package test data.

Task 2 - Data File for Waste Package Performance Analysis

An analysis of the requirements of the database was initiated at the NBS after an initial exposure to selected HLW documents. The documents included two memoranda dated September 20, 1984 and November 14, 1984 from T. Sullivan (BNL) to E. A. Wick (NRC) on the "Data Base File Structure" and "HLW Data Base Requirements Analysis." A review of these documents pointed up the need for professional opinions on suggestions made in them on both the file structure and the requirements for software and hardware for a database of the type proposed therein for a HLW database.

Task 3 - General Technical Assistance

At the request of E. A. Wick (COTR), the NBS Program Manager, C. G. Interrante, attended a three day review of FIN A-1266, Performance Assessment Methodology Development for Waste Isolation in Alternate Media, which was held at an NRC meeting room in the Willste Building in Silver Spring, Maryland. This program review was found to be helpful as background on the far-field problems associated with high level waste storage, and on the approaches currently being taken by workers at the Waste Management Systems Division at Sandia National Laboratories in Albuquerque, New Mexico.

NRC Monthly Letter Status Report - FIN-A-4171-5  
Costs Analysis - April 1985

	Costs (Dollars)		Projection by Month (Dollars in Thousands-to end of FY 85)				
	<u>This Period</u>	<u>Cumulative</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>
Personnel Expenditures (Listed by indiv. below)	4,370.	4,370.	12	Projections will be furnished in June Report			
Travel Costs (Individual & trip)	----	----					
Costs (by Item)	----	----					
Uncosted Obligations	----	----					

Personnel Time Expenditures  
(in hours)  
Pay Period 10 (4/14 -4/27/85)

<u>Individual</u>	<u>Task 1</u>	<u>Task 2</u>	<u>Task 3</u>	<u>Total Hours</u>
Bertocci				
Escalante				
Harrison				
Interrante				72
Kaufman				
Pugh				
Shull				

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72 Total hours this period  
72 Total hours - Cumulative