

A4171

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

MAY 08 1987

426.1/A-4171/EAW/05/07/87

- 1 -

Dr. Charles G. Interrante, Program Manager
 Metallurgy Division - Corrosion Section
 Center for Materials Science
 National Bureau of Standards
 U.S. Department of Commerce
 Gaithersburg, MD 20899

Dear Dr. Interrante:

This is in reply to your letters of February 10, 1987 and April 9, 1987. The letter of February 10, in accordance with Task 2 (1) of FIN A-4171, "Evaluation and Compilation of DOE Waste Package Test Data," enclosed two proposals for laboratory testing to be performed under Task 3 (2) of FIN A-4171 (1. Corrosion in Simulated Repository Environments and 2. Evaluation of Methods for Detection of Stress-Corrosion Crack Propagation in Fracture Mechanics Specimens.) The letter of April 9, 1987, provided additional information on the methods for detecting crack propagation.

We approve these proposals at the proposed funding levels of \$63,000 and \$63,500, respectively, and request that NBS proceed with this work.

The title of the first test should be changed to avoid possible confusion with other NRC projects that are ongoing at other sites. We suggest that the study be entitled, "Effect of Resistivity and Transport on Corrosion of Waste Package Materials."

If you have any question or if you wish to discuss this, please call me on 427-4111.

- (1) Task 2 is entitled, "Identification of Additional Data Required and Identification of Tests to Generate the Data."
 (2) Task 3 is entitled, "Testing."

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 WM Record File
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WM Project 10, 11, 16
 Docket No.

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Actions resulting from this letter are considered to be within the scope of FIN A -4171. No changes in costs or delivery of contracted products are authorized. Please notify me immediately if you feel this letter will result in additional costs or delay in delivery of contracted products.

Sincerely,

ORIGINAL SIGNED BY

Everett A. Wick
Technical Review Branch
Division of High Level Waste Management, NMSS

cc: Dr. Neville Pugh, Director
Metallurgy Division

Dr. William Ruff, Section Leader
Corrosion Section - Metallurgy Division

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LETTER TO: Dr. Charles G. Interrante, Program Manager
Metallurgy Division - Corrosion Section
Center for Materials Science
National Bureau of Standards
U.S. Department of Commerce
Gaithersburg, MD. 20899

FROM: Everett A. Wick
Technical Review Branch
Division of High Level Waste Management, NMSS

SUBJECT: FIN A-4171 "EVALUATION AND COMPIILATION OF DOE WASTE PACKAGE
TEST DATA"

DATE:

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CONCURRENCES

ORGANIZATION/CONCUREE	INITIALS	DATE CONCURRED
HLTR/EAWick	<u>EAW</u>	87/05/08
HLTR/RWeller	<u>RW/EAW</u>	87/05/08

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5/11/87 2:30
Date Time