



UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
[formerly National Bureau of Standards]
Gaithersburg, Maryland 20899

November 27, 1989

Mr. Charles Peterson
Technical Review Branch
Division of High-Level Waste Management
Office of Nuclear Materials Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Mr. Peterson:

Enclosed for your distribution are copies of a report, NISTIR 89-4114, "Corrosion Behavior of Mild Steel in High pH Aqueous Media". The work reported here is part of the Task 3, Laboratory Testing, studies conducted under FIN-A-4171. You have already received the other report written by Dr. Fraker under this contract. It is titled "Corrosion Behavior of Nuclear Fuel Cladding". An abbreviated version of that work has been accepted for inclusion in the Proceedings of the MRS-89 meetings on Nuclear Waste Management, and that work will be presented by Dr. Fraker at that meeting on November 28, 1989. Reports or studies conducted by Mr. Escalante and those by Dr. Interrante will be submitted when available.

Sincerely,

Charles G. Interrante

Charles G. Interrante
Program Manager
Corrosion Group
Metallurgy Division

Enclosures

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