

[DOE (RICHLAND OPERATIONS OFFICE) LETTERHEAD]

December 18, 1996

The Honorable Mr. John T. Conway
Chairman
Defense Nuclear Facilities Safety Board
625 Indiana Avenue, N.W., Suite 700
Washington, D.C. 20004

Dear Mr. Chairman:

COMPLETION OF DEFENSE NUCLEAR FACILITIES SAFETY BOARD (DNFSB)
RECOMMENDATION 93-5 IMPLEMENTATION PLAN (IP), REVISION 1,
MILESTONE 5.4.3.5.j, "LETTER REPORTING COMPLETION OF VOIDMETER AND
VISCOMETER READINGS IN TANKS AN-103, AN-104, AND AN-105"

This letter reports completion of voidmeter and viscometer readings in tanks AN-103, AN-104, and AN-105, which is identified under the DNFSB Recommendation 93-5 IP, Revision 1, Milestone 5.4.3.5.j.

The IP required voidmeter and viscometer tests conducted in selected Double-Shell Tanks to provide basic parameters for calculating the amount of stored gas. This data will contribute to refinement of gas generation and retention models.

The U.S. Department of Energy, Richland Operations Office has completed the actions identified under this milestone and proposes closure of this commitment.

The results and analysis of voidmeter and viscometer testing in Tanks AN-103, AN-104, and AN-105, are contained in Pacific Northwest National Laboratory report, "In Situ Rheology and Gas Volume in Double-Shell Waste Tanks," PNNL-11296, dated September 1996. A copy of this report has been transmitted to you staff.

If you have any questions, please contact me, or your staff may contact Jackson Kinzer, Assistant Manager for the Tank Waste Remediation System, on (509) 376-7591.

Sincerely,

John D. Wagoner
Manager

cc: R. D. Izatt, EM-2
J. C. Tseng, EM-4
R. E. Erickson, EM-38
K. T. Lang, EM-38
M. B. Whitaker, S-3.1