

[DOE-RL LETTERHEAD]

MAY 27 1997

97-WSD-127

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 5.4.3.5.1, "LETTER REPORTING REFINEMENT OF FLAMMABLE
GAS GENERATION/RETENTION MODELS USING VOIDMETER AND
RETAINED GAS SAMPLING DATA"**

This letter reports completion of "Gas Retention and Release Behavior in Hanford Double-Shell Waste Tanks," PNNL-11536, Revision 1, dated May 1997. This deliverable is identified under the DNFSB Recommendation 93-5 IP, Revision 1, Milestone 5.4.3.5.1.

The IP requires data from waste density, viscosity, void fraction, gas retention, and composition be used to refine the 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.

A copy of PNNL-11536, Revision 1, has been provided to your 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

WSD:CAG

cc: J. Owendoff, EM-2
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