



**U.S. Department of Energy
Hanford Site**

NOV 25 2019

19-TF-0108

The Honorable Bruce Hamilton, Chairman
Defense Nuclear Facilities Safety Board
625 Indiana Avenue, NW, Suite 700
Washington, D.C. 20004

Dear Chairman Hamilton:

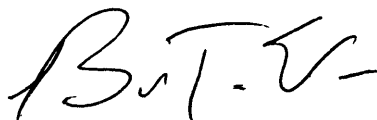
**CONTRACT NO. DE-AC27-08RV14800 – COMPLETION OF DEFENSE NUCLEAR
FACILITIES SAFETY BOARD RECOMMENDATION 2012-2 IMPLEMENTATION PLAN
ACTIONS**

This letter provides the notice of completion for Actions 2-3 and 2-4 of the U.S. Department of Energy, Office of River Protection (ORP), Implementation Plan for Defense Nuclear Facilities Safety Board Recommendation 2012-2, Hanford Tank Farms Flammable Gas Safety Strategy. Recommendation 2012-2 Action 2-3 was completed on August 13, 2019. ORP approved the safety basis amendment for safety-significant real-time flow monitoring in all active double-shell tanks (DSTs). Action 2-4 was completed on September 17, 2019; ORP implemented safety-significant real-time flow monitoring in all active DSTs.

The recently approved safety basis amendment for Action 2-3 also captured a planned improvement to address the last two remaining Recommendation 2012-2 Actions, Actions 1-4 and 4-3. Actions 1-4 and 4-3 call for the deployment of safety significant portable exhausters, but that deployment is dependent on future decisions for whether or not to install mixer pumps in the DSTs to support the long-term Waste Treatment and Immobilization Plant High-Level Waste Facility mission. The timeframe for mixer pump operations to support Waste Treatment and Immobilization Plant High-Level Waste is over a decade out in the future. There will be future safety analyses, which will influence the need for mixer pump operations in DSTs altogether. ORP considers Actions 1-4 and 4-3 satisfied with the approved safety basis planned improvement placeholder for future operations and thus has completed all commitments under the Implementation Plan for Recommendation 2012-2.

NOV 25 2019

If you have any questions, please contact me, or your staff may contact Robert G. Hastings, Assistant Manager, Tank Farms Project, (509) 376-9824.

A handwritten signature in black ink, appearing to read "B.T.V.", with a horizontal line extending from the end.

Brian T. Vance
Manager

TF:JL

cc: J. Olencz, AU-1.1
S.C. Petras, AU-1.1
B.K. Caleca, DNFSB
P.K. Fox, DNFSB
W.I. White, EM-1
D.Y. Chung, EM-3.1
J.R. Eschenberg, WRPS
T.G. Goetz, WRPS
R.E. Gregory, WRPS
K.H. Subramanian, WRPS