



**OFFICE OF RIVER PROTECTION**  
P.O. Box 450, MSIN H6-60  
Richland, Washington 99352

**JUL 29 2019**

19-TF-0083

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 – ACTION EXTENSION FOR DEFENSE  
NUCLEAR FACILITIES SAFETY BOARD STAFF REPORT, SAFETY BASIS REVIEW OF  
242-A EVAPORATOR AT HANFORD**

In a letter dated October 13, 2016, the U.S. Department of Energy, Office of River Protection provided a timeline for completing improvements described in the Defense Nuclear Safety Board's Staff Issue Report, Safety Basis Review of 242-A Evaporator at Hanford. Due to pump and transfer line failures, normal operations of the 242-A Evaporator has been temporarily curtailed. This situation and associated budgetary impacts has caused a delay in two remaining planned improvement actions associated with the Board's Staff Issue Report from September 30, 2019, to September 30, 2022. The two remaining planned improvement actions are as follows:

- 1) Design/Operational Improvement (2) - implement design changes to ensure that three credited valves in both the safety-significant C-A-1 vessel flammable gas control system and the safety-significant C-A-1 vessel waste high-level control system would be fail-safe in the event of a facility fire.

Specific Administrative Control 5.8.3, Evaporator and Pump Room Transient Combustible Material Control and Administrative Control 5.10.2, Emergency Response Actions Following Facility Fires, will remain in place until Design/Operational Improvement 2 is completed.

- 2) Design/Operational Improvement (3) - modify the C-A-1 vessel seismic dump system to automatically initiate upon detection of a seismic event (e.g., a seismic switch).

Administrative Control 5.9.6, Emergency Preparedness, will remain in place until Design/Operational Improvement 3 is completed.

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The revised date of September 30, 2022, aligns with the schedule for the restart of normal 242-A Evaporator operations.

Administrative controls have been established in the Technical Safety Requirements and will remain in place until the Design/Operational Improvements have been completed. The Documented Safety Analysis will be revised to include the updated dates for the planned improvements.

If you have any questions, please contact Robert G. Hastings, Assistant Manager, Tank Farms, (509) 376-9824.



Brian T. Vance  
Manager

TF:PRH

cc w/attach:

D.Y. Chung, EM-3.1

G. Sosson, EM-3.11

A.N. Suttora, EM-3.111

T.A. Shrader, EM-2 (Acting)

J. Moon, EM-3

Administrative Record