

Bruce Hamilton, Chairman
Jessie H. Roberson
Joyce L. Connery

**DEFENSE NUCLEAR FACILITIES
SAFETY BOARD**
Washington, DC 20004-2901



The Honorable Dan Brouillette
Secretary of Energy
US Department of Energy
1000 Independence Avenue, SW
Washington, DC 20585-1000

Dear Secretary Brouillette:

We received a letter from the Department of Energy's Office of River Protection on November 25, 2019, stating that DOE had completed Actions 2-3 and 2-4 of its implementation plan for Board Recommendation 2012-2, *Hanford Tank Farms Flammable Gas Safety Strategy*. These actions concluded installation and implementation of safety-significant real-time flow monitors in the ventilation systems of active double shell tanks (DST) in the Hanford tank farms.

With the exception of the actions 1-4 and 4-3, DOE has completed all actions identified in its implementation plan. Additionally, DOE has included a planned improvement for DST primary tank ventilation systems in the latest change to the tank farms documented safety analysis. When accomplished, the planned improvement will provide safety-significant portable exhaust units, equipped with self-contained generator units that the tank farms contractor will maintain in an available, on-demand condition. The timing of this planned improvement will support installation of mixer pumps in DSTs should DOE decide the mixer pumps are necessary to support waste feed delivery to the Waste Treatment and Immobilization Plant's High-Level Waste (HLW) Facility.

Given the current schedule for HLW Facility startup and commissioning, we conclude that this path forward sufficiently addresses the remaining Recommendation 2012-2 implementation plan actions.

DOE's actions have resulted in tangible safety improvements that provide adequate protection of the public and workers at the Hanford site. Based on these improvements, we consider Recommendation 2012-2 closed.

Yours truly,

Bruce Hamilton
Chairman

c: Mr. William I. White
Mr. Brian T. Vance
Mr. Joe Olencz

AFFIRMATION OF BOARD VOTING RECORD

SUBJECT: Hanford Recommendation 2012-2 Closure

Doc Control#: 2020-100-0047

The Board acted on the above document on 07/10/2020. The document was Approved.

The votes were recorded as:

	APRVD	DISAPRVD	ABSTAIN	NOT PARTICIPATING	COMMENT	DATE
Bruce Hamilton	✓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	07/07/2020
Jessie H. Roberson	✓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	07/10/2020
Joyce L. Connery	✓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	07/07/2020

This Record contains a summary of voting on this matter together with the individual vote sheets, views and comments of the Board Members.

Shelby Qualls

Executive Secretary to the Board

Attachments:

1. Voting Summary
2. Board Member Vote Sheets

DEFENSE NUCLEAR FACILITIES SAFETY BOARD
NOTATIONAL VOTE RESPONSE SHEET

FROM: Bruce Hamilton

SUBJECT: Hanford Recommendation 2012-2 Closure

Doc Control#: 2020-100-0047

DATE: 07/07/2020

VOTE: Approved

COMMENTS:

None

Bruce Hamilton

DEFENSE NUCLEAR FACILITIES SAFETY BOARD

NOTATIONAL VOTE RESPONSE SHEET

FROM: Jessie H. Roberson

SUBJECT: Hanford Recommendation 2012-2 Closure

Doc Control#: 2020-100-0047

DATE: 07/10/2020

VOTE: Approved

Member voted by email.

COMMENTS:

None

Jessie H. Roberson

DEFENSE NUCLEAR FACILITIES SAFETY BOARD

NOTATIONAL VOTE RESPONSE SHEET

FROM: Joyce L. Connery

SUBJECT: Hanford Recommendation 2012-2 Closure

Doc Control#: 2020-100-0047

DATE: 07/07/2020

VOTE: Approved

COMMENTS:

None

Joyce L. Connery