

The Honorable James Richard Perry  
Secretary of Energy  
U.S. Department of Energy  
1000 Independence Avenue, SW  
Washington, DC 20585-1000

Dear Secretary Perry:

The Defense Nuclear Facilities Safety Board has completed an evaluation of the Department of Energy's progress on Board Recommendation 2012-1, *Savannah River Site Building 235-F Safety*. We recognize that DOE plans to initiate removing material from the highest contaminated cells soon.

While actions have been taken to remove combustibles and ignition sources, a fire that results in a radiological release is still credible. The facility relies on the ventilation system in many of the accident scenarios, but the ventilation and confinement systems cannot be credited to function during a post-seismic fire. In the postulated accident scenario of a seismic-initiated fire, the calculated dose consequence to the co-located worker remains orders of magnitude above 100 rem total effective dose.

Executing the remaining Implementation Plan deliverables needs to remain a priority for this reason, and also because:

1. The current institutional level of knowledge of 235-F's history, systems, and hazards, and the availability of workers with hands-on experience handling high plutonium-238 contamination will only decrease with time. The workforce will likely never be in a better position to perform this work safely.

2. The condition of the structure, systems, and components is degrading and will continue to degrade. Stopping or extending remediation will increase the life cycle costs due to the need to deal with failing penetrations, an aging sand filter, risks of a ground level release, and increased costs of maintenance.

Pursuant to 42 U.S.C. §2286a(a), the Board is providing this advice for your information and use.

Yours truly,

Bruce Hamilton  
Acting Chairman

c: Mr. Joe Olencz

**AFFIRMATION OF BOARD VOTING RECORD**

**SUBJECT: Recommendation 2012-1 Update Letter**

**Doc Control#2018-100-054**


The Board, with Board Member(s) Bruce Hamilton, Jessie H. Roberson, Joyce L. Connery *approving*, Board Member(s) Daniel J. Santos *disapproving*, Board Member(s) none *abstaining*, and Board Member(s) none *not participating*, has voted to approve the above document on August 10, 2018.

The votes were recorded as:

	APRVD	DISAPRVD	ABSTAIN	NOT PARTICIPATING*	COMMENT	DATE
Bruce Hamilton	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	08/10/18
Jessie H. Roberson	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	08/09/18
Daniel J. Santos	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	08/10/18
Joyce L. Connery	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	08/09/18

\*Reason for Not Participating:

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

  
Executive Secretary to the Board

Attachments:

1. Voting Summary
2. Board Member Vote Sheets

cc: Board Members  
OGC  
OGM Records Officer  
OTD

**DEFENSE NUCLEAR FACILITIES SAFETY BOARD**  
**NOTATIONAL VOTE RESPONSE SHEET**

**FROM: Bruce Hamilton**

**SUBJECT: Recommendation 2012-1 Update Letter**

**Doc Control#2018-100-054**

Approved  X  Disapproved   Abstain

Recusal – Not Participating

COMMENTS: Below   Attached   None  X

*Bruce Hamilton for*

\_\_\_\_\_  
**Bruce Hamilton**

August 10, 2018   
Date

**Member voted by e-mail dated August 10, 2018**

**DEFENSE NUCLEAR FACILITIES SAFETY BOARD**  
**NOTATIONAL VOTE RESPONSE SHEET**

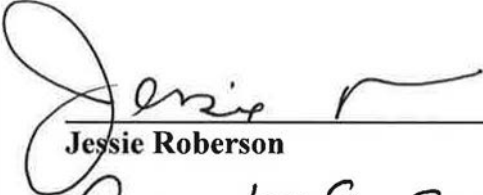

**FROM:** Jessie Roberson

**SUBJECT:** Recommendation 2012-1 Update Letter

**Doc Control#2018-100-054**

**Approved**  **Disapproved**  **Abstain**   
**Recusal – Not Participating**

**COMMENTS:** **Below**  **Attached**  **None**

  
\_\_\_\_\_  
**Jessie Roberson**  
  
\_\_\_\_\_  
**Date**

**DEFENSE NUCLEAR FACILITIES SAFETY BOARD**  
**NOTATIONAL VOTE RESPONSE SHEET**


**FROM:** Daniel J. Santos

**SUBJECT:** Recommendation 2012-1 Update Letter

**Doc Control#2018-100-054**

Approved \_\_\_\_\_ Disapproved X Abstain \_\_\_\_\_  
Recusal – Not Participating \_\_\_\_\_

**COMMENTS:** Below \_\_\_\_\_ Attached \_\_\_\_\_ None X

  
\_\_\_\_\_  
Daniel J. Santos  
8/10/18  
\_\_\_\_\_  
Date

**DEFENSE NUCLEAR FACILITIES SAFETY BOARD**  
**NOTATIONAL VOTE RESPONSE SHEET**

**FROM:** Joyce Connery


**SUBJECT:** Recommendation 2012-1 Update Letter

**Doc Control#2018-100-054**

**Approved**  **Disapproved**  **Abstain**

**Recusal – Not Participating**

**COMMENTS:** **Below**  **Attached**  **None**

  
\_\_\_\_\_  
Joyce Connery  
\_\_\_\_\_  
Date 8/90/18