

**AFFIRMATION OF BOARD VOTING RECORD**

**SUBJECT: Confinement Capabilities of the Uranium Processing Facility**

**Doc Control#2016-083**

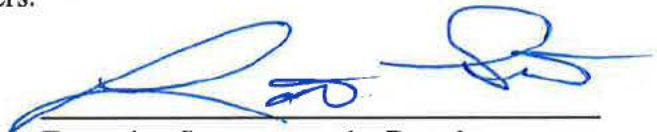
The Board, with Board Member(s) none *approving*, Board Member(s) Joyce L. Connery, Jessie H. Roberson, Sean Sullivan, Daniel J. Santos, Bruce Hamilton *disapproving*, Board Member(s) none *abstaining*, and Board Member(s) none *recusing*, have voted to disapprove the above document on May 11, 2016.

The votes were recorded as:

	APRVD	DISAPRVD	ABSTAIN	NOT PARTICIPATING*	COMMENT	DATE
Joyce L. Connery	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	05/11/16
Jessie H. Roberson	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	05/10/16
Sean Sullivan	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	05/09/16
Daniel J. Santos	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	05/10/16
Bruce Hamilton	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	05/05/16

\*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:** Joyce L. Connery

**SUBJECT:** Confinement Capabilities of the Uranium Processing Facility

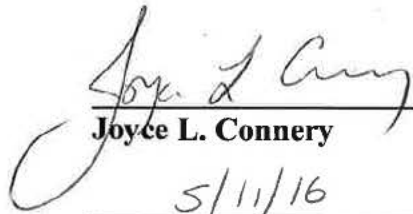
**Doc Control#2016-083**

Approved \_\_\_\_\_ Disapproved  Abstain \_\_\_\_\_  
Recusal - Not Participating \_\_\_\_\_

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

Given the continuing conversations with DOE, I don't believe this letter is appropriate at this time.

I do believe, however, that as the scope changes in the facility, the staff will need to continue to monitor to ensure minimal release in case of an accident.

  
\_\_\_\_\_  
**Joyce L. Connery**  
5/11/16  
\_\_\_\_\_  
**Date**

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

**FROM:** Jessie H. Roberson

**SUBJECT:** Confinement Capabilities of the Uranium Processing Facility


Doc Control#2016-083

Approved \_\_\_\_\_ Disapproved X Abstain \_\_\_\_\_

Recusal – Not Participating \_\_\_\_\_

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

I reviewed the NNSA response (09/11/2015) to the Board's June 25, 2015 letter; the two enclosures they provided regarding their Technical Evaluation of the UPF Confinement Strategy and the UPF Confinement Strategy and Evaluation Approach; and questioned various staff to determine if I should support this communication. I also refreshed my recollection of Recommendation 2004-2 and the associated IP; DOE/NNSA's Closure Report dated 06/29, 2014; and the Board's confirmation of closure. As a result, I do not support this communication.

  
\_\_\_\_\_  
Jessie H. Roberson  
May 10, 2016  
\_\_\_\_\_  
Date

**DEFENSE NUCLEAR FACILITIES SAFETY BOARD**

**NOTATIONAL VOTE RESPONSE SHEET**

**FROM:** Sean Sullivan

**SUBJECT:** Confinement Capabilities of the Uranium Processing Facility

**Doc Control#2016-083**

**Approved** \_\_\_\_\_ **Disapproved**  X  **Abstain** \_\_\_\_\_

**Recusal – Not Participating** \_\_\_\_\_

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

The letter expresses a concern regarding the design of the UPF confinement ventilation system and seeks the Administrator's written assessment of the DNFSB's conclusions. I disapprove for a number of reasons, most importantly: 1) I have no concerns regarding the current state of the UPF design with respect to the adequacy of that design to demonstrate adequate protection of the public health and safety; and 2) we should not be using the statutory power that permits us to levy a reporting requirement on the Secretary in order to have one of the Secretary's subordinate officers tell us what that officer thinks of our work.

As stated recently by the House Appropriations Committee, Subcommittee on Energy and Water Development, "The viability of the NNSA's redesigned [UPF] project is heavily dependent on achieving a lower hazard categorization for certain subprojects and safety-related design issues have been significant cost drivers for the Department's major projects." (See the report accompanying the HEWD FY17 appropriations bill.) Upgrading the UPF exhaust system as suggested by our staff is estimated to cost an additional 150M-200M dollars. If the UPF project were to become not viable, the life of the 71-year-old building 9212 must be further extended – a prospect that undoubtedly increases the risk profile of future operations at the Y-12 site.

Back in February, I sought to have the Board accept the UPF design team's position on the confinement ventilation system, and to instruct our staff not to further pursue the staff's issues with the system. The Board did not support my February request (See DNFSB Doc#2016-063, archived February 29, 2016). However, I continue to believe we should adopt the approach I proposed in February.



Sean Sullivan

5/9/16

Date



**Shelby Qualls**

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**From:** Daniel J. Santos  
**Sent:** Tuesday, May 10, 2016 6:51 PM  
**To:** Shelby Qualls; Lotus Smith  
**Subject:** Re: Notational Vote: Doc#2016-083, Confinement Capabilities of the Uranium Processing Facility - BLUE FOLDER

Disapproved without comments.

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**From:** Shelby Qualls  
**Sent:** Thursday, May 5, 2016 12:54 PM  
**To:** Bruce Hamilton; Daniel J. Santos; Jessie Roberson; Joyce Connery; Sean Sullivan  
**Cc:** Lotus Smith; Shelby Qualls; James Biggins; Katherine Herrera; Nora Khalil  
**Subject:** Notational Vote: Doc#2016-083, Confinement Capabilities of the Uranium Processing Facility - BLUE FOLDER

This email is an electronic record of Notational Vote. Voting ballot will follow shortly. Also, accepting electronic votes.

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

**FROM: Members of the Board**  
**Re: Notational Vote Doc#2016-083, Confinement Capabilities of the Uranium Processing Facility**

**6-083**

\_\_\_\_\_  
zed\_\_\_\_\_

\_\_\_\_\_  
**Not Participating**\_\_\_\_\_

**NTS:**

\_\_\_\_\_  
**None**\_\_\_\_\_

Shelby Qualls  
Assistant Executive Secretary  
Office of the Chairman

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

**FROM: Bruce Hamilton**

**SUBJECT: Confinement Capabilities of the Uranium Processing Facility**

**Doc Control#2016-083**

Approved \_\_\_\_\_ Disapproved X Abstain \_\_\_\_\_

Recusal – Not Participating \_\_\_\_\_

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

This well-written Staff Issue Report addresses DOE's failure to meet its own standards in reducing dose consequences of the design basis accident to negligible levels. There is no evidence that the UPF, as designed, challenges the adequate protection of public health and safety.

While it is appropriate for the Board to identify to DOE when it deviates from its own nuclear safety requirements in the design of defense nuclear facilities, whether DOE chooses to address those deviations, when adequate protection is not challenged, is at DOE leadership's discretion. The use of a 90 day reporting requirement under 42 U.S.C. § 2286b(d) could be viewed as the Board's using its authority for persuading or inducing certain behaviors or actions by the DOE and NNSA rather than for obtaining information.

I therefore disapprove.

  
Bruce Hamilton

5 May 2016  
Date