

REQUEST FOR BOARD ACTION BY A BOARD MEMBER

Requester: Sullivan February 9, 2016

Brief description of Requested Action: The Board determines that the “DNFSB staff technical issue” regarding confinement ventilation system design criteria at the Uranium Processing Facility is not of concern to the Board, and the Board accepts the current position of the UPF design team. Further information on the staff position and that of the design team is available on slide 41 of a presentation recently given to two Board Members and retained at K:\Sites\Y-12\1 Administration and Planning\5 Board Trips\Board Members Connery & Hamilton.JAN2016\Follow-Up Documents. The Technical Director shall inform the DOE Department Representative to the DNFSB of the Board’s determination. The Technical Director shall further instruct the technical staff not to pursue the issue with NNSA or the UPF design team so long as the UPF design team maintains its current position.

Attachments (init) none (included clean version of any proposed document or modified document)

Summarize any time sensitive considerations: none

Requestor signature _____ February 9, 2016

Executive secretary _____ February 9, 2016

| | APRVD | DISAPRVD | ABSTAIN | NOT PARTICPATING | COMMENT | DATE |
|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------|
| Joyce L. Connery | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Jessie H. Roberson | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Sean Sullivan | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Daniel J. Santos | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Bruce Hamilton | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Final Disposition Summary | | | | | | |

Executive Secretary signature _____

AFFIRMATION OF BOARD VOTING RECORD

SUBJECT: Request for Board Action by Board Member, Sean Sullivan; Board Acceptance of UPF design team position on confinement ventilation

Doc Control#2016-63


The Board, with Board Member(s) Sean Sullivan, Bruce Hamilton *approving*, Board Member(s) Joyce L. Connery, Jessie H. Roberson, Daniel J. Santos *disapproving*, Board Member(s) none *abstaining*, and Board Member(s) none *recusing*, have voted to disapprove the above document on February 29, 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"/> | 02/29/16 |
| Jessie H. Roberson | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 02/29/16 |
| Sean Sullivan | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 02/29/16 |
| Daniel J. Santos | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 02/29/16 |
| Bruce Hamilton | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 02/09/16 |

*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: Request for Board Action by Board Member, Sean Sullivan; Board
Acceptance of UPF design team position on confinement ventilation


Doc Control#2016-063

Approved _____ Disapproved X Abstain _____

Recusal – Not Participating _____

COMMENTS: Below X Attached _____ None _____

As written, this Board action request states that the DNFSB staff technical issue regarding the confinement ventilation system design criteria at UPF is “not of concern to the Board”. The confinement ventilation system is part of a broader UPF confinement strategy and to cease discussion of it at this point is premature. Additionally, after discussion with both CNS and the UPF design team, I was informed that they have not yet determined the full extent of activities that will be performed in the building. With very little margin, any additional activities within UPF could increase the confinement ventilation requirements and a retrofit would be far more costly than to address the issue now. Finally, as a Safety Board, I believe it sends a bad precedent to instruct the staff to halt discussions with the design team about an evolving safety posture.



Joyce L. Connery
2/29/16

Date

DEFENSE NUCLEAR FACILITIES SAFETY BOARD
NOTATIONAL VOTE RESPONSE SHEET

FROM: Jessie H. Roberson

SUBJECT: Request for Board Action by Board Member, Sean Sullivan; Board
Acceptance of UPF design team position on confinement ventilation

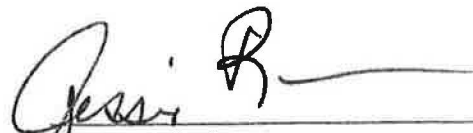
Doc Control#2016-063

Approved _____ Disapproved Abstain _____
Recusal - Not Participating _____

COMMENTS: Below Attached _____ None _____

Based on my review and evaluation of the staff's recent Information Report on "Confinement Capabilities of the Uranium Processing Facility", issued in February of 2016; and reflection on previous Staff briefings, Issue Report, and NNSA correspondence, I conclude the Board is on weak grounds to continue to pursue changes to NNSA's current confinement ventilation system design strategy. Clearly there are inconsistencies between DOE/NNSA Order requirements, guides, and stated expectations. However, based on the current design and defined facility utilization, NNSA's confinement strategy for this project appears adequate.

However, as design information and facility utilization plans progress, the Board's staff should stay aware and inform the Board so that the Board can communicate with NNSA when necessary.



Jessie H. Roberson
February 29, 2016
Date

DEFENSE NUCLEAR FACILITIES SAFETY BOARD
NOTATIONAL VOTE RESPONSE SHEET

FROM: Sean Sullivan

SUBJECT: Request for Board Action by Board Member, Sean Sullivan; Board
Acceptance of UPF design team position on confinement ventilation

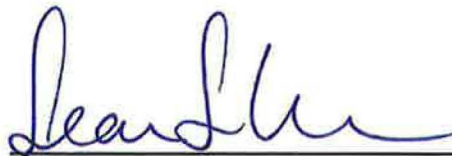
Doc Control#2016-063

Approved X Disapproved _____ Abstain _____
Recusal – Not Participating _____

COMMENTS: Below X Attached _____ None _____

DNFSB staff members have challenged a decision by the UPF design team to utilize a survivability standard for the active confinement ventilation system that would permit a small amount of leakage from the facility in the design basis seismic fire accident scenario. The design team has selected a survivability standard that could result in exposures of 3.16 rem to a co-located worker and 150 mrem to a member of the general public. These exposure values are well below the thresholds that justify concern for the adequate protection of the public health and safety.

There is no safety issue warranting further challenge to the decision made by the UPF design team.



Sean Sullivan

2/29/16

Date

Lotus Smith

From: Daniel J. Santos
Sent: Monday, February 29, 2016 12:12 PM
To: Lotus Smith; Shelby Qualls
Subject: RE: Notational Vote: Doc#2016-063 Request for Board Action by Board Member, Sean Sullivan; Board Acceptance of UPF design team position on confinement ventilation Blue Folder

Disapproved without comments.

From: Lotus Smith
Sent: Tuesday, February 9, 2016 3:30 PM
To: Bruce Hamilton; Daniel J. Santos; Jessie Roberson; Joyce Connery; Sean Sullivan
Cc: Mark Welch; Steven Stokes; Neysa Slater-Chandler; James Biggins; Shelby Qualls; Nora Khalil; Katherine Herrera; Lotus Smith
Subject: Notational Vote: Doc#2016-063 Request for Board Action by Board Member, Sean Sullivan; Board Acceptance of UPF design team position on confinement ventilation 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**

TO: Board Members
FROM: Members of the Board
SUBJECT: Request for Board Action by Board Member, Sean Sullivan; Board Acceptance of UPF design team position on confinement ventilation

Doc Control#: 2016-063

Please be advised that Board Member, Sean Sullivan has submitted a Request for Board Action; Board Acceptance of UPF design team position on confinement ventilation.

This request involves a policy matter before the Board and Office Directors are courtesy copied in this email for situational awareness.

Approved _____
Disapproved _____
Abstain _____
Recusal – Not Participating _____

COMMENTS:
Below _____
Attached _____
None _____

Lotus Smith

DEFENSE NUCLEAR FACILITIES SAFETY BOARD
NOTATIONAL VOTE RESPONSE SHEET

FROM: Bruce Hamilton

SUBJECT: Request for Board Action by Board Member, Sean Sullivan; Board
Acceptance of UPF design team position on confinement ventilation

Doc Control#2016-063

Approved Disapproved _____ Abstain _____

Recusal - Not Participating _____

COMMENTS: Below _____ Attached _____ None


Bruce Hamilton

9 FEB 2016
Date