



**Defense Nuclear Facilities
Safety Board**

Washington, DC 20004-2901

**Office of the
Inspector General**

November 16, 2017

MEMORANDUM TO: Glenn Sklar
General Manager

Katherine Herrera
Deputy General Manager

FROM: Dr. Brett M. Baker */RA/*
Assistant Inspector General for Audits

SUBJECT: STATUS OF RECOMMENDATIONS: AUDIT OF THE
BOARD'S OVERSIGHT OF NUCLEAR FACILITY DESIGN
AND CONSTRUCTION PROJECTS (DNFSB-16-A-06)

REFERENCE: GENERAL MANAGER MEMORANDUM DATED
NOVEMBER 6, 2017

Attached is the Office of the Inspector General's (OIG) analysis and status of recommendations as discussed in the Board's response dated November 6, 2017. Based on this response and supporting documentation, recommendation 5 is now closed. Recommendations 2 through 4 remain in resolved status and recommendation 1 was previously closed. Please provide an updated status of the resolved recommendations by February 28, 2018.

If you have any questions or concerns, please contact me at (301) 415-5915 or Sherri Miotla, Team Leader, at (301) 415-5914.

Attachment: As stated

cc: R. Howard, OGM

Audit Report

AUDIT OF THE DNFSB'S OVERSIGHT OF NUCLEAR FACILITY DESIGN AND CONSTRUCTION PROJECTS

DNFSB-16-A-06

Status of Recommendations

Recommendation 2: Develop and implement design and construction oversight guidance including work practice review guides for construction disciplines.

Agency Response Dated
November 6, 2017:

The Office of the Technical Director (OTD) staff developed WP-525.1-1, *Review Guidance for Design and Construction Projects* (attached below), which describes the recommended review content for design and construction reviews from pre-conceptual design to facility commissioning. This Work Practice also contains guidance on the prioritization of reviews based on Board Policy Statement 6, *Policy Statement on Oversight of Design and Construction of Defense Nuclear Facilities*. The Work Practice was signed by the Technical Director on September 22, 2017 and has been posted to the directives site of the DNFSB intranet. Technical staff members were trained on the Work Practice on September 15, 2017 (training slides are attached below).

To support the Work Practice, OTD staff completed the development of four review guides to provide more detailed guidance on the oversight of the design and construction of quality assurance programs, fire protection programs, safety basis documentation, and safety structures, systems and components.

G-525.1-1, *Review Guide for Design and Construction Subject Areas*.

G-526.1-1, *Reviewing Quality Assurance Programs*.

G-526.1-2, *Reviewing Software Quality Assurance Programs*.

G-527.1-1, *Guidance for Reviewing Fire Protection Programs, Systems, and Design*.

Once internal concurrence is complete, the four review guides will be posted on DNFSB's intranet.

OIG Analysis:

The proposed corrective action addresses the intent of OIG's recommendation. This recommendation will be closed when

Audit Report

**AUDIT OF THE DNFSB'S OVERSIGHT OF NUCLEAR FACILITY DESIGN AND
CONSTRUCTION PROJECTS**

DNFSB-16-A-06

Status of Recommendations

Recommendation 2 (cont.):

OIG receives and reviews the review guides developed in support of this Work Practice.

Status: Resolved.

Audit Report

AUDIT OF THE DNFSB'S OVERSIGHT OF NUCLEAR FACILITY DESIGN AND CONSTRUCTION PROJECTS

DNFSB-16-A-06

Status of Recommendations

Recommendation 3: Revise current Issue and Commitment Tracking System (IACS) guidance to address how it is to be used to inform design and construction oversight activities.

Agency Response Dated
November 6, 2017:

OTD staff revised I-550.1, *Item and Commitment Tracking* (attached below), which was signed by the Technical Director on October 12, 2017, and posted to the directives site of the DNFSB intranet. This Instruction defines the instances where IACS entries are required and responsibilities associated with IACS entries. Technical staff members were trained on the changes in the Instruction on September 27, 2017 and November 2, 2017 (Training slides are attached below).

OTD staff are in the process of revising OP-550.1-2 to give additional guidance on the content of IACS entries.

OIG Analysis:

The proposed corrective action addresses the intent of OIG's recommendation. This recommendation will be closed when OIG receives the revised IACS guidance and reviews it to determine if it gives guidance on the content of IACS entries.

Status:

Resolved.

Audit Report

AUDIT OF THE DNFSB'S OVERSIGHT OF NUCLEAR FACILITY DESIGN AND CONSTRUCTION PROJECTS

DNFSB-16-A-06

Status of Recommendations

Recommendation 4: Develop and implement a formal design and construction oversight training program.

Agency Response Dated
November 6, 2017:

OTD staff developed I-570.1, *Technical Staff Training* (attached below), which describes the Technical Staff Training Program. The Instruction was signed by the Technical Director on September 22, 2017, and is posted on the directives site of the DNFSB intranet.

To support the Instruction, OTD staff developed WP-570.2-01, *Level 1 Training*, which describes the training needed for a new staff member to participate as a member of a DNFSB review team. WP-570.2-02, *Level 2 Training*, has also been developed to describe the training and qualification required for a staff member to lead a review team for design and construction projects. Once the internal concurrence process is complete, the Work Practices will be posted to DNFSB's intranet. Technical staff members were trained on the new Instruction and Work Practices on September 15, 2017.

OIG Analysis: The proposed corrective action addresses the intent of OIG's recommendation. This recommendation will be closed when OIG reviews documentation of the new Work Practices.

Status: Resolved.

Audit Report

AUDIT OF THE DNFSB'S OVERSIGHT OF NUCLEAR FACILITY DESIGN AND CONSTRUCTION PROJECTS

DNFSB-16-A-06

Status of Recommendations

Recommendation 5: Develop and implement a design and construction oversight lessons learned program.

Agency Response Dated
November 6, 2017:

DNFSB staff revised I-530.1, *Execution of Technical Staff Reviews* (attached below), to include new guidance on review closeouts directing Lead Reviewers to coordinate collection of Lessons Learned from the Review Team. DNFSB staff developed an *After Review Report* form to facilitate collection of lessons learned (attached below). Additionally, new guidance was added to I-530.1 to direct the Lead Reviewers to document the content of the review in an internal lessons learned database. DNFSB staff developed this database in SharePoint which allows for tracking of Staff Safety Items, and other relevant documentation associated with the review. The database will be used in the preparation phase of future reviews to assist technical staff conducting similar reviews. The Technical Staff were trained on the new lessons learned process on September 28, 2017 and November 2, 2017, and the process was fully implemented for FY18.

OIG Analysis: OIG reviewed DNFSB's guidance and determined it fulfills the development of a lessons learned program for design and construction oversight. Also, the training DNFSB provided on this new guidance as represented in the training slides provided by DNFSB meet the intent of the recommendation. Therefore, this recommendation is now closed.

Status: Closed.