



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

**OFFICE OF THE
INSPECTOR GENERAL**

December 3, 2019

MEMORANDUM TO: Margaret M. Doane
Executive Director for Operations

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

SUBJECT: STATUS OF RECOMMENDATIONS: AUDIT OF NRC'S
CYBER SECURITY INSPECTIONS AT NUCLEAR POWER
PLANTS (OIG-19-A-13)

REFERENCE: DIRECTOR, OFFICE OF NUCLEAR SECURITY AND
INCIDENT RESPONSE, MEMORANDUM DATED
OCTOBER 28, 2019

Attached is the Office of the Inspector General's (OIG) analysis and status of recommendations as discussed in the agency's response dated October 28, 2019. Based on this response, recommendation 2 remains open and resolved. Recommendation 1 was previously closed. Please provide an updated status of recommendation 2 by January 31, 2021.

If you have questions or concerns, please call me at (301) 415-5915, or Paul Rades, Team Leader, at (301) 415-6228.

Attachment: As stated

cc: C. Haney, OEDO
D. Jackson, OEDO
J. Jolicoeur, OEDO
S. Miotla, OEDO
RidsEdoMailCenter Resource
OIG Liaison Resource
EDO_ACS Distribution Resource

Audit Report

AUDIT OF NRC'S CYBER SECURITY INSPECTIONS AT NUCLEAR POWER PLANTS

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Status of Recommendations

Recommendation 2: Use the results of operating experience and discussions with industry to develop and implement suitable cyber security performance measure(s) (e.g. testing, analysis of logs, etc.) by which licensees can demonstrate sustained program effectiveness.

Agency Response Dated
October 28, 2019:

The staff agrees with the recommendation.

The staff has completed an assessment of the Power Reactor Cyber Security Program; the assessment reflects feedback and lessons learned from industry stakeholders regarding the cyber security rule, associated guidance, licensee implementation, and NRC inspections. The staff finalized the assessment report in July 2019 and developed an action plan (finalized October 2019) to evaluate and implement appropriate program enhancements (e.g., the need for program implementation guidance and adjustments to promote efficiency in the oversight program, and new or revised guidance). The assessment action plan considered feedback from the assessment itself, ongoing cyber security program full-implementation inspections, and proposed enhancements to the cyber security program. This plan includes the evaluation of potential performance metrics regarding licensees' cyber security programs. In addition, some licensees are developing proposals to conduct performance testing to test their cyber security program performance against potential threats.

The action plan includes a staff effort to update the cyber security oversight program. This update will factor in lessons learned from the 2017-2020 cyber security inspection program that verified licensees' full implementation. The update will include the development of a new inspection procedure to replace the current procedure IP 71130.10P. The IP, targeted

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Status of Recommendations

Recommendation 2 (cont.):

for implementation in 2021, will shift the focus from program implementation to program performance effectiveness.

Target date for completion:

Issuance of the new cyber inspection procedure, November 2020.

Point of Contact: Kim Holloway, NSIR/DPCP
(301) 415-0286

OIG Analysis:

The actions proposed by the agency meet the intent of the recommendation. OIG will close this recommendation after verifying that NRC, through efforts to update the cyber security oversight program following the assessment, has developed and implemented suitable cyber security performance measure(s).

Status:

Open: Resolved.