



OFFICE OF THE  
INSPECTOR GENERAL

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

December 8, 2016

MEMORANDUM TO: Victor M. McCree  
Executive Director for Operations

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

SUBJECT: STATUS OF RECOMMENDATIONS: AUDIT OF NUCLEAR  
REGULATORY COMMISSION'S (NRC) OVERSIGHT OF  
SPENT FUEL POOLS (OIG-15-A-06)

REFERENCE: DIRECTOR, OFFICE OF NUCLEAR REACTOR  
REGULATION (NRR), MEMORANDUM DATED  
NOVEMBER 9, 2016

Attached is the Office of the Inspector General's (OIG) analysis and status of recommendations 1 and 3 as discussed in the agency's response dated November 9, 2016. Based on this response, recommendations 1 and 3 are resolved. Recommendations 2 and 4 were previously closed. Please provide an updated status of the resolved recommendations by July 28, 2017. If you have questions or concerns, please call me at (301) 415-5915, or Sherri Miotla, Team Leader, at (301) 415-5914.

Attachment: As stated

cc: R. Lewis, OEDO  
H. Rasouli, OEDO  
J. Jolicoeur, OEDO  
J. Bowen, OEDO  
EDO\_ACS Distribution Resource

## **Audit Report**

### **AUDIT OF NRC'S OVERSIGHT OF SPENT FUEL POOLS**

**OIG-15-A-06**

#### **Status of Recommendations**

Recommendation 1: Provide a generic regulatory solution for spent fuel pool criticality analysis by developing and issuing detailed licensee guidance along with the NRC internal procedures.

Agency Response Dated  
November 9, 2016:

The staff is currently reviewing a draft of Revision 2 of the NEI's report, NEI 12-16, "Guidance for Performing Criticality Analyses of Fuel Storage at Light Water Reactor Power Plants," which will form the basis of the RG [Regulatory Guide]. The staff scheduled meetings to finish discussions on several issues. Agreement is expected on the final version of NEI 12-16, Revision 2 by the end of the month. In addition, the staff has begun the draft RG process in anticipation of this final revision to NEI 12-16, which will support completion of a draft RG by summer 2017. The agency expects to approve a final RG in early 2018.

CONTACT: Amrit Patel, NRR/DSS  
(301) 415-5893

OIG Analysis: The actions proposed by the agency meet the intent of the recommendation. This recommendation will be closed upon NRR's issuance of the regulatory guide and revisions to NUREG-0800.

**Status:** Resolved.

## **Audit Report**

### **AUDIT OF NRC'S OVERSIGHT OF SPENT FUEL POOLS**

**OIG-15-A-06**

#### **Status of Recommendations**

Recommendation 3: Develop an enforceable neutron-absorbing material aging management program.

Agency Response Dated  
November 9, 2016:

On April 7, 2016, the agency issued the GL [Generic Letter] requesting information on monitoring of neutron-absorbing materials in SFPs [Spent Fuel Pools]` (Accession No. ML16097A169). The deadline for licensees to submit their responses to the GL was November 3, 2016, and the NRC staff is currently starting their evaluation of licensee responses. The staff expects to complete the evaluation of all responses, closeout of the GL for all licensees, and initiation of any subsequent regulatory actions by the end of 2017.

CONTACT: Scott Krepel, NRR/DSS  
(301) 302-0399

OIG Analysis: The actions proposed by the agency meet the intent of the recommendation. This recommendation will be closed when NRR develops an enforceable neutron-absorbing material aging management program based on its evaluation of the GL responses from licensees.

**Status:** Resolved.