



ISFSI Inspection Enhancement Implementation Status

Project Status as of
2/9/2021

Background:

Starting in June 2019, a working group was formed as part of the Independent Spent Fuel Storage Installation (ISFSI) Inspection Program Enhancements Initiative to evaluate and enhance the NRC's existing ISFSI inspection program by developing a clearer, more risk-informed, comprehensive, and consistent approach to ISFSI inspections across the four regions that focuses on those areas most important to safety. The working group used probabilistic risk analyses, byproduct material radiation exposure studies, subject matter expertise, operating experience, and lessons learned from the last 30 years of ISFSI inspection history to inform the recommended revisions to the program.

The final report of the working group's recommendations was completed and made publicly available on March 18, 2020 (ADAMS Accession No. ML20078P093). The Director of the Division of Fuel Management (DFM) approved the working group's recommendations in full considering the final recommendations report and all feedback received. Public issuance of the final decision memo (ADAMS Accession No. ML20079E064) was on May 6, 2020.

Objective:

To provide a status update on NRC staff's efforts to issue a new ISFSI inspection program technical basis document Inspection Manual Chapter (IMC) 2691, and revise IMC 2690 and 6 associated Inspection Procedures.

ACCOMPLISHMENTS

1. Working group kick-off meeting conducted on June 11, 2020
2. Developed Implementation Plan and Status Documents
3. Discussed ISFSI inspection enhancement implementation during the August 18, 2020 RSLO monthly call and August 26, 2020 and January 27, 2021 ROP monthly calls
4. Completed all Inspection Procedure (IP) and Inspection Manual Chapter (IMC) revisions required of ISFSI inspection program enhancement effort. Issued IPs 60853, 60854, 60855, 60856, 60857, 60858, and IMCs 2690 and 2691, Effective Date: January 1, 2021
5. Issued memorandum on the completion of ISFSI enhancement effort on February 9, 2021 (ADAMS Accession No. ML21006A040)

NEXT STEPS

1. Continue to shape a Low Safety Significant Issue Resolution process (separate working group effort)
2. IP 60859, "Aging Management," is not a part of the ISFSI inspection enhancement effort, but separate aging management inspection development effort. The procedure will be drafted and issued by July 2021.

Points of Contact:

Jeremy Tapp, Transportation and Storage Safety Inspector, NMSS/DFM/IOB, 301-415-8047
Matthew Learn, Transportation and Storage Safety Inspector, NMSS/DFM/IOB, 630-829-9603
Leira Cuadrado, Branch Chief, NMSS/DFM/IOB, 301-415-0324