

U.S. NUCLEAR REGULATORY COMMISSION  
REGION I

INSPECTION REPORT

Inspection No. 07200030/2012001  
Docket No. 07200030  
License No. SFGL-14  
Licensee: Maine Yankee Atomic Power Company  
Location: 321 Old Ferry Road  
Wiscasset, ME 04578  
Inspection Dates: June 6, 2012  
Inspectors: Stephen Hammann, Senior Health Physicist  
Decommissioning Branch  
Division of Nuclear Materials Safety  
Approved By: Marc S. Ferdas, Chief  
Decommissioning Branch  
Division of Nuclear Materials Safety

## **EXECUTIVE SUMMARY**

Maine Yankee Atomic Power Company  
NRC Inspection Report No. 07200030/2012001

A routine, announced safety inspection was performed on June 6, 2012, of the Maine Yankee Atomic Power Company (Maine Yankee) Independent Spent Fuel Storage Installation (ISFSI). The inspector assessed whether Maine Yankee personnel were operating and maintaining ISFSI programs at an away-from-reactor (AFR) ISFSI in conformance with the commitments and requirements. AFR ISFSI facilities located at sites where loading operations have been completed are essentially passive operating facilities. The inspector's review was directed towards confirming the ongoing adequacy of the radiation protection, fire protection, emergency preparedness, surveillance, maintenance, environmental monitoring, training, quality assurance (QA), and corrective action programs. The inspector observed activities, interviewed personnel, and reviewed records and procedures.

Based on the results of this inspection, no findings of significance were identified.

## I. REPORT DETAILS

### a. Inspection Scope (Inspection Procedure (IP) 60858)

The inspector assessed whether Maine Yankee personnel were operating and maintaining ISFSI programs at an away-from-reactor (AFR) ISFSI in conformance with the commitments and requirements contained in the Final Safety Analysis Report (FSAR), Safety Evaluation Report (SER), Certificate of Compliance (CoC), Technical Specifications (TS), QA program, Maine Yankee procedures, and 10 CFR Part 72.

AFR ISFSI facilities located at sites where loading operations have been completed are essentially passive operating facilities. The inspector's review was directed towards confirming the ongoing adequacy of the radiation protection, fire protection, emergency preparedness, surveillance, maintenance, environmental monitoring, training, QA, and corrective action programs.

The inspector observed activities, interviewed personnel, and reviewed records and procedures. The inspector also reviewed changes made to the programs and procedures since the last inspection to verify that changes were consistent with the license or CoC and did not reduce the effectiveness of the program.

### b. Observations and Findings

The inspector determined that Maine Yankee's plans and preparations for controlling radiological activities were adequate. The inspector also verified that special nuclear material (SNM) stored at the ISFSI was properly accounted for. Dosimetry records and environmental monitoring reports were reviewed. All employees were below the regulatory dose limits and the dose requirements for members of the public at the nearest accessible location to the ISFSI were within limits prescribed by 10 CFR 72.104.

Maine Yankee has an emergency preparedness program which properly coordinates with the appropriate offsite support groups, agencies and local law enforcement agencies (LLEA). The emergency call list is current and is checked periodically for accuracy. All revisions to the emergency plan have been submitted to the NRC and reviewed by the Office of Nuclear Security and Incident Response (NSIR).

Daily temperature monitoring and visual checks of the inlet and outlet screened openings are performed by Maine Yankee personnel in accordance with surveillance requirements in the TS. Maine Yankee's procedures contain backup plans if the primary surveillance methods are unavailable. The control of combustibles to and from the ISFSI pad are controlled by security and kept within the required TS limits and no combustibles are stored on the ISFSI pad.

Maine Yankee has a training program which consists of classroom and on-the-job training, as well as, briefings performed by supervisors. Refresher training is given on a regular basis and retraining is given as necessary if human performance issues are identified. All employees have been trained and qualified to perform their assigned

ISFSI-related functions.

The inspector reviewed the most recent independent audit of the ISFSI program. The inspector determined that issues were entered into the corrective action program, prioritized, and evaluated commensurate with their safety significance. Corrective actions were implemented to address identified issues and were tracked to closure. The QA program evaluated changes in the ISFSI program to determine that no changes were implemented that would decrease the overall effectiveness of the program.

c. Conclusions

Based on the results of this inspection, no findings of significance were identified.

The licensee is operating and maintaining the ISFSI programs in conformance with the commitments and requirements contained in the FSAR, SER, CoC, TS, QA program, Maine Yankee procedures, and 10 CFR Part 72.

**Exit Meeting Summary**

On June 6, 2012, the inspector presented the inspection results to James Connell and Larry Jewett. The inspector confirmed that proprietary information was not provided or examined during the inspection.

## **SUPPLEMENTAL INFORMATION**

### **PARTIAL LIST OF PERSONS CONTACTED**

#### **Licensee**

J. Connell, ISFSI Manager  
L. Jewett, ISFSI Specialist  
J. Miller, ISFSI Security Supervisor  
R. Senence, Training Coordinator

### **ITEMS OPEN, CLOSED, AND DISCUSSED**

None

### **LIST OF DOCUMENTS REVIEWED**

AD-16, ISFSI Personnel Training and Qualifications  
AD-19, ISFSI Records Program  
CR Log Cause Code Tracking/Trending  
Condition Reports 11-002, 11-011, 11-050, 12-026, 12-035  
EO-2, Response to Off-Normal Operations  
EO-3, Response to Accidents  
EO-4, Response to Natural Phenomena  
EO-6, Non-Emergency Event Assessment  
FP-2, ISFSI Fire Hazard Analysis  
Maine Yankee – 2011, Annual Radioactive Effluent Release Report  
Maine Yankee – 2011, Annual Radiological Program Assessment  
Maine Yankee Emergency Plan  
ISFSI Occupational Radiation Exposure Reports, 2011  
ISFSI Emergency Plan  
OP-1, ISFSI Temperature Monitoring Program  
OP-2, ISFSI Routine Surveillance  
OP-5, Vertical Concrete Cask Repair Procedure  
OP-7, ISFSI VCC and ISFSI Pad Inspection Program  
Quality Assurance Audit MY-10-A05-01  
QA-1, Quality Program Administration  
QA-2, Quality Assessments  
QA-3, Quality Inspection Program  
RP-1, ISFSI Conduct of Radiation Protection  
RP-3, ISFSI Radiological Environmental Monitoring Program  
RP-5, Radiation Work Permits

## **LIST OF ACRONYMS USED**

AFR	Away-From-Reactor
CoC	Certificate of Compliance
FSAR	Final Safety Analysis Report
ISFSI	Independent Spent Fuel Storage Installation
LLEA	Local Law Enforcement Agencies
Maine Yankee	Maine Yankee Atomic Power Company
NSIR	Office of Nuclear Security and Incident Response
QA	Quality Assurance
SER	Safety Evaluation Report
TS	Technical Specification