

1m4-12-100



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
2100 RENAISSANCE BOULEVARD, SUITE 100
KING OF PRUSSIA, PENNSYLVANIA 19406-2713

June 28, 2012

Docket No. 07200030

License No. SFGL-14

James Connell
ISFSI Manager
Maine Yankee Atomic Power Company
321 Old Ferry Road
Wiscasset, ME 04578

SUBJECT: NRC INDEPENDENT SPENT FUEL STORAGE INSTALLATION INSPECTION
REPORT NO. 07200030/2012001, MAINE YANKEE ATOMIC POWER
COMPANY, WISCASSET, MAINE SITE

Dear Mr. Connell:

On June 6, 2012, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection of Maine Yankee Atomic Power Company (Maine Yankee) Independent Spent Fuel Storage Installation (ISFSI). The inspection was an examination of your licensed activities as they relate to safety and compliance with the Commission's regulations and with the conditions of your license. The inspector observed activities, interviewed personnel, and reviewed records and procedures. The results of the inspection were discussed with you at the conclusion of the inspection on June 6, 2012, and are described in the enclosed report.

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

In accordance with 10 CFR Part 2.390 of the NRC's "Rules of Practice," a copy of this letter, its enclosure, and your response (if any) will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records component of the NRC's document system (ADAMS). ADAMS is accessible from the NRC Web Site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Thank you for your cooperation during this inspection.

Sincerely,

Marc S. Ferdas, Chief
Decommissioning Branch
Division of Nuclear Materials Safety

Enclosure:
Inspection Report No. 07200030/2012001

J. Connell

2

cc w/encl:

W. Norton, Vice President and Chief Nuclear Officer

G. Poulin, Chairman of the Board

E. Howes, Manager of Public and Governmental Affairs

J. Fay, General Counsel

R. Mitchell, QA Manager

P. Dostie, State Nuclear Safety Inspector

P. Brann, Assistant Attorney General

Chairman Board of Selectmen

M. Kilkelly, Chair-Community Advisory Panel

Friends of the Coast

State of Maine

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