



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I  
2100 RENAISSANCE BLVD.  
KING OF PRUSSIA, PA 19406-2713**

October 21, 2020

Docket No. 07200030

License No. SFGL-14

Mr. J. Stanley Brown, ISFSI Manager  
Maine Yankee Atomic Power Company  
321 Old Ferry Road  
Wiscasset, ME 04578-4922

**SUBJECT: MAINE YANKEE ATOMIC POWER COMPANY - NRC INDEPENDENT SPENT  
FUEL STORAGE SECURITY INSPECTION REPORT NO. 07200030/2020401**

Dear Mr. Brown:

On September 23, 2020, the U.S. Nuclear Regulatory Commission (NRC) completed an Independent Spent Fuel Storage Installation (ISFSI) security inspection at the Maine Yankee Atomic Power Company in Wiscasset, Maine. The inspection covered the licensee's physical security plan and the October 16, 2002, Interim Compensatory Measures for Dry Independent Spent Fuel Storage Installations Order and was conducted using NRC Inspection Procedure 81311, "Physical Security Requirements for Independent Spent Fuel Storage Installations."

The enclosed inspection report documents the inspection results, which were discussed with you and other members of your staff, on September 23, 2020.

The inspection examined activities conducted under your license as they relate to security and compliance with the Commission's rules and regulations and with the conditions of your license. The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel.

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

In accordance with Title 10 of the Code of Federal Regulations (10 CFR) 2.390, "Public Inspections, Exemptions, Requests for Withholding," of the NRC's "Rules of Practice," a copy of this letter and enclosure will be available electronically for public inspection in the NRC's Public Document Room or from the Publicly Available Records (PARS) component of the NRC's

J. S. Brown

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Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

10/22/2020

X /RA/

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Signed by: Fred L. Bower

**Fred L. Bower, III, Chief  
Plant Support Branch  
Division of Reactor Safety**

**Enclosure:  
Inspection Report No. 07200030/2020401**

**cc w/encl:**

**G. Poulin, Chairman of the Board  
E. Howes, Manager of Public and Governmental Affairs  
J. Fay, General Counsel  
W. Norton, CNO  
J. Bourassa, ISFSI QA Manager  
R. Capstick, Director of Regulatory Affairs  
P. Dostie, State Nuclear Safety Inspector  
Chairman Board of Selectmen  
State of Maine, SLO Designee**

SUBJECT: MAINE YANKEE ATOMIC POWER COMPANY - NRC INDEPENDENT SPENT FUEL STORAGE SECURITY INSPECTION REPORT NO. 07200030/2020401  
 DATED OCTOBER 21, 2020

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File: G:\DRS\Plant Support Branch 1\Security\2020 IR Draft\Maine Yankee\Maine Yankee ISFSI IR 2020 Public.docx  
 ADAMS ACCESSION NUMBER: **ML20294A180** (Cover letter w/enclosure) (Publicly Available)

Cover Letter w/Enclosure X SUNSI Review		X Non-Sensitive <input type="checkbox"/> Sensitive		X Publicly Available <input type="checkbox"/> Non-Publicly Available	
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DATE	10/20/2020	10/20/2020	10/21/2020	10/21/2020	

\* concur via email

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**U.S. NUCLEAR REGULATORY COMMISSION  
REGION I  
INSPECTION REPORT**

Docket No. 07200030

License No. SFGL-14

Report No. 07200030/2020401

Licensee: Maine Yankee Atomic Power Company

Address: 321 Old Ferry Road, Wiscasset, ME 04578

Location Inspected: Maine Yankee Atomic Power Company Independent Spent Fuel Installation (ISFSI)

Inspection Dates: September 14 - 23, 2020

Inspectors: Jeremiah Rey, Physical Security Inspector  
Kenneth Hussar, Physical Security Inspector

Approved by: Fred L. Bower, III, Chief  
Plant Support Branch  
Division of Reactor Safety

Enclosure

## REPORT DETAILS

### a. Inspection Scope

Inspections were conducted using the appropriate portions of the inspection procedures (IPs) in effect at the beginning of the inspection unless otherwise noted. Currently approved IPs with their attached revision histories are located on the public website at <http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html>. Samples were declared complete when the IP requirements most appropriate to the inspection activity were met consistent with Inspection Manual Chapter (IMC) 2690, "Inspection Program for Dry Storage of Spent Reactor Fuel at Independent Spent Fuel Storage Installations." The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel to assess licensee performance and compliance with Commission rules and regulations, license conditions, site procedures, and standards. Starting on March 20, 2020, in response to the National Emergency declared by the President of the United States on the public health risks of the coronavirus (COVID-19), inspectors were directed to begin telework. In addition, regional baseline inspections were evaluated to determine if all or portion of the objectives and requirements stated in the IP could be performed remotely. If the inspections could be performed remotely, they were conducted per the applicable IP. In some cases, portions of an IP were completed remotely and on site. The inspections documented below met the objectives and requirements for completion of the IP.

The inspectors evaluated this area by reviewing the Independent Spent Fuel Storage Installation (ISFSI) security plan, implementing procedures, and records; conducting interviews with responsible security personnel and plant employees; and performing walk-downs of the ISFSI.

The inspectors: (1) reviewed the access authorization program for the ISFSI; (2) verified and assessed the licensee's testing and maintenance program to assure the functionality and reliability of security equipment; and (3) verified that a rapid, capable response to safeguards contingency events had been appropriately developed and effectively implemented.

The inspectors conducted the following specific inspection activities and evaluated the program to determine if: (a) the access authorization program provided reasonable assurance that individuals granted unescorted access to the ISFSI Protected Area (PA) were trustworthy and reliable and did not constitute an unreasonable risk to public health and safety; (b) procedures were in place to ensure that vehicles accessing the ISFSI had proper authorization and were properly searched; (c) keys, locks, combinations, and associated hardware used in the ISFSI PA were properly controlled; (d) the intrusion detection system (IDS) had the ability to detect and assess unauthorized penetration of the ISFSI PA and adequate response capability existed; (e) alarms for the ISFSI IDS annunciated at an alarm station which was continually staffed; (f) the ISFSI PA was illuminated to facilitate adequate assessment of PA penetration or unauthorized activity; (g) a program was in place for testing and maintenance of the physical protection systems associated with the ISFSI; (h) the spent fuel storage was within a PA and was protected by two barriers; (i) the vehicle barrier system satisfied the design vehicle bomb attack requirements; (j) communications had been established between onsite security forces and a designated response force or local law enforcement agency (LLEA); (k) a

security organization with written procedures had been established; (l) members of the security organization were trained, equipped, qualified, and requalified to perform assigned duties; (m) the committed responders provided for an adequate armed response; (n) written response procedures were established and maintained; (o) training included ISFSI activities; (p) safeguards events were being properly reported; (q) audits of the physical protection system were conducted; (r) signs were posted in accordance with requirements; (s) the licensee established an emergency plan; (t) the response force or LLEA had unimpeded access to the ISFSI PA during contingency events; and (u) staffing, procedures, and resources were adequate to protect against radiological sabotage.

b. Findings

No findings were identified.

Exit Meeting Summary

On September 23, 2020, the inspectors presented the inspection results to Mr. J. Stanley Brown, ISFSI Manager, and other members of the licensee's staff. The inspectors verified that no proprietary information was retained by the inspectors or documented in this report.

**ATTACHMENT  
SUPPLEMENTAL INFORMATION  
KEY POINTS OF CONTACT**

Licensee Personnel

J. Brown, ISFSI Manager  
J. Lenois, Security Program Manager  
S. Hemingway, Asst. Director of Operations

**LIST OF ITEMS OPEN, CLOSED, AND DISCUSSED**

Opened

None

Opened and Closed

None

Closed

None

**INSPECTION PROCEDURES USED**

IP 81311, Physical Security Requirements for Independent Spent Fuel Storage Installations

**LIST OF DOCUMENTS REVIEWED**

Procedures

SP-2, PA Access Authorization Program, Revision 10  
SP-10, Security Patrol Report, Attachment A  
SP-11, Testing and Maintenance of Security Equipment, Revision 29  
SP-13, Lock and Key Control, Revision 16  
SP-16, Application of Safeguards Compensatory Measures, Revision 21  
SP-18, Contingencies, Revision 9

Condition Reports

MY-CR-18-162  
MY-CR-18-198  
MY-CR-18-203  
MY-CR-18-210  
MY-CR-20-005

Condition Reports Generated

MY-CR-20-115

