

Maine Yankee

321 OLD FERRY RD. • WISCASSET, ME 04578-4922

May 31, 2007
MN-07-011
RA-07-029

Attention: Document Control Desk
U. S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Reference: License No. DPR-36 (Docket No. 50-309, 71-9270, 72-1015)

Subject: Maine Yankee License Event Report 2007-001-00, Uncompensated Degradation in a Security System

Gentlemen:

Please find the enclosed Maine Yankee License Event Report 2007-001-00. This report is submitted pursuant to 10 CFR 73.71(d) for a 60 day written report. Please contact us should you have questions regarding this matter.

Respectfully,

James Connell
Site Vice President

Enclosure: LER 2007-001-00

c: Mr. J.R. Hall, NRC NMSS Project Manager
Mr. R. Lorson, Branch Chief, NRC Region 1
Mr. S. Collins, Administrator, NRC Region 1
Mr. M. C. Roberts, NRC Region 1
Mr. C. Pray, State of Maine, Nuclear Safety Advisor
Mr. P.J. Dostie, State of Maine, Inspector Division of Health Engineering

JE22
NMSS01

NRC FORM 366 (6-2004)		U.S. NUCLEAR REGULATORY COMMISSION		APPROVED BY OMB: NO. 3150-0104		EXPIRES: 06/30/2007																																						
LICENSEE EVENT REPORT (LER) (See reverse for required number of digits/characters for each block)																																												
1. FACILITY NAME Maine Yankee Atomic Power Company				2. DOCKET NUMBER 05000 - 309		3. PAGE 1 OF 2																																						
4. TITLE Uncompensated Degradation in a Security System																																												
5. EVENT DATE			6. LER NUMBER			7. REPORT DATE																																						
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REV NO.	MONTH	DAY	YEAR																																				
04	05	2007	2007	1	0	05	31	2007																																				
9. OPERATING MODE N/A			11. THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check all that apply)																																									
10. POWER LEVEL N/A			<table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> 20.2201(b)</td> <td><input type="checkbox"/> 20.2203(a)(3)(i)</td> <td><input type="checkbox"/> 50.73(a)(2)(i)(C)</td> <td><input type="checkbox"/> 50.73(a)(2)(vii)</td> </tr> <tr> <td><input type="checkbox"/> 20.2201(d)</td> <td><input type="checkbox"/> 20.2203(a)(3)(ii)</td> <td><input type="checkbox"/> 50.73(a)(2)(ii)(A)</td> <td><input type="checkbox"/> 50.73(a)(2)(viii)(A)</td> </tr> <tr> <td><input type="checkbox"/> 20.2203(a)(1)</td> <td><input type="checkbox"/> 20.2203(a)(4)</td> <td><input type="checkbox"/> 50.73(a)(2)(ii)(B)</td> <td><input type="checkbox"/> 50.73(a)(2)(viii)(B)</td> </tr> <tr> <td><input type="checkbox"/> 20.2203(a)(2)(i)</td> <td><input type="checkbox"/> 50.36(c)(1)(i)(A)</td> <td><input type="checkbox"/> 50.73(a)(2)(iii)</td> <td><input type="checkbox"/> 50.73(a)(2)(ix)(A)</td> </tr> <tr> <td><input type="checkbox"/> 20.2203(a)(2)(ii)</td> <td><input type="checkbox"/> 50.36(c)(1)(ii)(A)</td> <td><input type="checkbox"/> 50.73(a)(2)(iv)(A)</td> <td><input type="checkbox"/> 50.73(a)(2)(x)</td> </tr> <tr> <td><input type="checkbox"/> 20.2203(a)(2)(iii)</td> <td><input type="checkbox"/> 50.36(c)(2)</td> <td><input type="checkbox"/> 50.73(a)(2)(v)(A)</td> <td><input type="checkbox"/> 73.71(a)(4)</td> </tr> <tr> <td><input type="checkbox"/> 20.2203(a)(2)(iv)</td> <td><input type="checkbox"/> 50.46(a)(3)(ii)</td> <td><input type="checkbox"/> 50.73(a)(2)(v)(B)</td> <td><input type="checkbox"/> 73.71(a)(5)</td> </tr> <tr> <td><input type="checkbox"/> 20.2203(a)(2)(v)</td> <td><input type="checkbox"/> 50.73(a)(2)(i)(A)</td> <td><input type="checkbox"/> 50.73(a)(2)(v)(C)</td> <td><input checked="" type="checkbox"/> OTHER</td> </tr> <tr> <td><input type="checkbox"/> 20.2203(a)(2)(vi)</td> <td><input type="checkbox"/> 50.73(a)(2)(i)(B)</td> <td><input type="checkbox"/> 50.73(a)(2)(v)(D)</td> <td>Specify in Abstract below or in NRC Form 366A</td> </tr> </table>						<input type="checkbox"/> 20.2201(b)	<input type="checkbox"/> 20.2203(a)(3)(i)	<input type="checkbox"/> 50.73(a)(2)(i)(C)	<input type="checkbox"/> 50.73(a)(2)(vii)	<input type="checkbox"/> 20.2201(d)	<input type="checkbox"/> 20.2203(a)(3)(ii)	<input type="checkbox"/> 50.73(a)(2)(ii)(A)	<input type="checkbox"/> 50.73(a)(2)(viii)(A)	<input type="checkbox"/> 20.2203(a)(1)	<input type="checkbox"/> 20.2203(a)(4)	<input type="checkbox"/> 50.73(a)(2)(ii)(B)	<input type="checkbox"/> 50.73(a)(2)(viii)(B)	<input type="checkbox"/> 20.2203(a)(2)(i)	<input type="checkbox"/> 50.36(c)(1)(i)(A)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(ix)(A)	<input type="checkbox"/> 20.2203(a)(2)(ii)	<input type="checkbox"/> 50.36(c)(1)(ii)(A)	<input type="checkbox"/> 50.73(a)(2)(iv)(A)	<input type="checkbox"/> 50.73(a)(2)(x)	<input type="checkbox"/> 20.2203(a)(2)(iii)	<input type="checkbox"/> 50.36(c)(2)	<input type="checkbox"/> 50.73(a)(2)(v)(A)	<input type="checkbox"/> 73.71(a)(4)	<input type="checkbox"/> 20.2203(a)(2)(iv)	<input type="checkbox"/> 50.46(a)(3)(ii)	<input type="checkbox"/> 50.73(a)(2)(v)(B)	<input type="checkbox"/> 73.71(a)(5)	<input type="checkbox"/> 20.2203(a)(2)(v)	<input type="checkbox"/> 50.73(a)(2)(i)(A)	<input type="checkbox"/> 50.73(a)(2)(v)(C)	<input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> 20.2203(a)(2)(vi)	<input type="checkbox"/> 50.73(a)(2)(i)(B)	<input type="checkbox"/> 50.73(a)(2)(v)(D)	Specify in Abstract below or in NRC Form 366A
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12. LICENSEE CONTACT FOR THIS LER																																												
FACILITY NAME James Connell, Site Vice President						TELEPHONE NUMBER (Include Area Code) (207) 882-1312																																						
13. COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT																																												
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO EPIX	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO EPIX																																			
14. SUPPLEMENTAL REPORT EXPECTED <input type="radio"/> YES (If yes, complete 15. EXPECTED SUBMISSION DATE) <input checked="" type="radio"/> NO					15. EXPECTED SUBMISSION DATE																																							
MONTH DAY YEAR					MONTH DAY YEAR																																							
ABSTRACT (Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines)																																												
This report is submitted pursuant to the requirements of 10 CFR 73.71(d) for a 60-day written report and contains no Safeguards Information (SI).																																												
On April 5, 2007 the Maine Yankee Independent Spent Fuel Storage Installation (ISFSI) management discovered an uncompensated degradation in a security system located in the isolation zone for the protected area.																																												
The contract security force had bypassed security equipment in constant alarm due to environmental conditions. Compensatory measures were established in accordance with Physical Security Plan and procedural requirements. The method of compensatory measures for the bypassed security equipment was subsequently modified due to concerns of hazardous weather conditions. The alternate compensatory measures established did not fully meet Physical Security Plan or procedural requirements. The time line for the event on Thursday April 5, 2007 is as follows:																																												
0502 - Completed the normal compensatory measures for the bypassed security system zones in accordance with the Physical Security Plan and implementing procedure requirements. At this time a decision was made to change the method of compensatory measures due to environmental conditions.																																												
0532 - Safeguards Event Log was filled out for bypassed security system zones in accordance with 73.71(C) as described in Appendix G paragraph II(a) which is required within 24 hours of discovery.																																												
0628 to 0643 - Maine Yankee management review conducted to access the compensatory measures in place against the Physical Security Plan and implementing procedures. The alternate compensatory measures were determined to be not fully compliant.																																												
0643 to 0656 - Maine Yankee Management discussed event with on shift crew																																												
0701 - Commenced performing the original compensatory measures for the bypassed security system zones in accordance with the Physical Security Plan and implementing procedures.																																												

LICENSEE EVENT REPORT (LER)

1. FACILITY NAME	2. DOCKET	6. LER NUMBER			3. PAGE
Maine Yankee Atomic Power Company	05000	YEAR	SEQUENTIAL NUMBER	REV NO.	2 OF 2
		2007	- 001	- 00	

NARRATIVE

0702 to 0730 - Safeguards Event Analysis was performed by the duty Shift Supervisor and Maine Yankee management. This event was determined to be reportable.

0759 - The duty Shift Supervisor made a one (1) hour report to the NRC Operations Center under 73.71(b)(1) for the safeguards event as described in Appendix G paragraph I(c).

The total time in noncompliance of required compensatory measures was 1 hour and 59 minutes. Although alternate compensatory measures were taken during this time, they were subsequently determined to be not fully compliant.

The security equipment which protects the Dry Fuel Storage Casks was functioning correctly as designed, however the constant alarms necessitated operator action placing the affected zones in bypass. The security equipment is sensitive to certain environmental conditions which were being experienced at that time.

When discovered by Maine Yankee management during routine oversight inspections of the Primary Alarm Station (PAS), the correct compensatory measures were immediately established and a one (1) hour report made to the NRC Operations Center pursuant to the requirements of 10 CFR 73.71 (b)(1).

This event was entered into the Maine Yankee Corrective Action Program and a Barrier Screen initiated to determine failed or missing barriers and to provide corrective actions to prevent recurrence.

Failed or Missing Barriers

- 1) Maine Yankee Physical Security Plan not correctly implemented.
- 2) Maine Yankee procedures not correctly implemented.
- 3) Procedures could contain more specific guidance.
- 4) Knowledge retention of critical task response to a loss or degradation of a security system contained in the Security Training and Qualification Plan was inadequate for the on shift crew.
- 5) Shift Turnover did not meet managements expectations.
- 6) Crew communications did not meet managements expectations.
- 7) Procedural adherence did not meet managements expectations.
- 8) Crew dynamics did not foster questioning attitude.
- 9) Maine Yankee management oversight of the training conducted by the contract security force was minimal.

Corrective Actions

- 1) All Security Force Members have been retrained on the Physical Security Plan and applicable procedures.
- 2) Procedure enhancements have been made to provide the Security Force Members with more specific guidance.
- 3) Security Force Members have been retrained in accordance with the Security Training and Qualification Plan. Included was a self assessment of the programs effectiveness.
- 4) The ISFSI Manager has issued his expectations for conduct of operations including turnovers, communications, and procedural adherence.
- 5) Discussed Teamwork approach and all lessons learned with Security Force Members.
- 6) Realigned crew makeup.
- 7) Shift Supervisors commenced new schedule which is offset from the security crew rotation.
- 8) Maine Yankee management is scheduled to participate in the Security Training and Qualification Program in 2007.

Information concerning this event has been discussed with the Maine State Nuclear Safety Inspector and NRC Resident Inspector. There has been no media interest or press releases made. There have been no similar events in recent years since the Maine Yankee Plant was decommissioned.

Contact Person for further information:

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