



Northeast  
Nuclear Energy

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Northeast Nuclear Energy Company  
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The Northeast Utilities System  
Donald B. Miller Jr.,  
Senior Vice President - Millstone

Re: 10CFR50.73(a)(2)(i)  
September 21, 1995  
MP-95-293

U.S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D.C. 20555

Reference: Facility Operating License No. DPR-65  
Docket No. 50-336  
Licensee Event Report 95-034-00

This letter forwards Licensee Event Report 95-034-00 required to be submitted within thirty (30) days pursuant to 10CFR50.73(a)(2)(i).

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

Donald B. Miller, Jr.  
Senior Vice President - Millstone Station

DBM/RT:bjc

Attachment: LER 95-034-00

cc: T. T. Martin, Region I Administrator  
P. D. Swetland, Senior Resident Inspector, Millstone Unit Nos. 1, 2, and 3  
G. S. Vissing, NRC Project Manager, Millstone Unit No. 2

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PDR ADDCK 05000336  
S PDR

# LICENSEE EVENT REPORT (LER)

(See reverse for required number of digits/characters for each block)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNBB 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (S150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1) <b>Millstone Nuclear Power Station Unit 2</b>	DOCKET NUMBER (2) <b>05000336</b>	PAGE (3) <b>1 OF 4</b>
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TITLE (4)  
**Missed Technical Specification Surveillance**

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)	
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAME	DOCKET NUMBER
08	22	95	95	034	00	09	21	95		
									FACILITY NAME	DOCKET NUMBER
									FACILITY NAME	DOCKET NUMBER

OPERATING MODE (9) **1**

POWER LEVEL (10) **100**

THIS REPORT IS BEING SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more) (11)

<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.405(c)	<input type="checkbox"/> 50.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)
<input type="checkbox"/> 20.405(a)(1)(i)	<input type="checkbox"/> 50.36(c)(1)	<input type="checkbox"/> 50.73(a)(2)(v)	<input type="checkbox"/> 73.71(c)
<input type="checkbox"/> 20.405(a)(1)(ii)	<input type="checkbox"/> 50.36(c)(2)	<input type="checkbox"/> 50.73(a)(2)(vi)	<input type="checkbox"/> OTHER
<input type="checkbox"/> 20.405(a)(1)(iii)	<input checked="" type="checkbox"/> 50.73(a)(2)(i)	<input type="checkbox"/> 50.73(a)(2)(vii)(A)	(Specify in Abstract below and in Text, NRC Form 366A)
<input type="checkbox"/> 20.405(a)(1)(iv)	<input type="checkbox"/> 50.73(a)(2)(ii)	<input type="checkbox"/> 50.73(a)(2)(vii)(B)	
<input type="checkbox"/> 20.405(a)(1)(v)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME <b>Philip J. Lutz, Nuclear Licensing</b>	TELEPHONE NUMBER (include Area Code) <b>(203) 440-2072</b>
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COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRPDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRPDS

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE)	<input checked="" type="checkbox"/> NO	EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR

**ABSTRACT** (Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines) (16)

On August 22, 1995, with the plant in Mode 1 at 100% power, it was determined that Technical Specification daily surveillance SP 2601D, "Power Range Safety Channel and Delta T Power Channel Calibration," had not been performed within its required frequency. The surveillance was carried out several hours after the time it was required to be performed by. Investigation of the event revealed another occurrence of the surveillance being performed late on August 8, 1995.

Corrective action consisted of performing the surveillance shortly after its time interval had expired. Also, Licensed Operators were briefed on this event to ensure they understand that Technical Specification surveillance requirement 4.0.2 applies to shiftly and daily surveillances. To ensure that the surveillance time interval is not exceeded for these surveillances, Operators were instructed to perform them at the beginning of the shift and to ensure they are accepted by the Shift Supervisor by 0300 hours.

Surveillance procedures were also revised to include a signoff for the time when the surveillance is completed and accepted.

This event is being reported pursuant to the requirements of 10CFR50.73(a)(2)(i), a condition prohibited by the plant's Technical Specifications.

**LICENSEE EVENT REPORT (LER)  
TEXT CONTINUATION**

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TEXT (If more space is required, use additional copies of NRC Form 366A) (17)

**I. Description of Event**

On August 22, 1995, at the beginning of day shift, while reviewing work scheduled for the shift, the Control Room operating shift determined that Technical Specification daily surveillance SP 2601D, "Power Range Safety Channel and Delta T Power Channel Calibration," had not been performed within its required frequency. As part of the event investigation, the Shift Supervisor Log was reviewed to determine when during the shift the surveillance was typically being performed. A review of Shift Supervisor Log entries indicated that SP 2601D had also not been performed until after the surveillance period had been exceeded on August 8, 1995. In both cases, the surveillance was performed later that day and the acceptance criteria were met.

Background Information

Surveillance Procedure 2601D, "Power Range Safety Channel and Delta T Power Channel Calibration," is usually performed daily at the beginning of mid shift to meet the requirements of Technical Specification Surveillance Requirement 4.3.1.1.1. This surveillance requirement states that "each reactor protective instrumentation channel shall be demonstrated OPERABLE by performing the CHANNEL CHECK, CHANNEL CALIBRATION, and CHANNEL FUNCTIONAL TEST operations during the operating modes and at the frequencies shown in Table 4.3.1," SP 2601D provides instructions for the adjustment of the linear range nuclear instrumentation to ensure it agrees with the calorimetric calculation and to null nuclear power - delta T power. It also provides instructions for the adjustment of T-Cold Calibrate.

Technical Specification Table 4.3-1 lists the power level high trip CHANNEL CALIBRATION as a daily surveillance. Additionally, Technical Specification Surveillance Requirement 4.0.2 states that a surveillance requirement shall be performed within the specified time interval with a maximum allowable extension not to exceed 25% of the surveillance time interval. Therefore, for Technical Specification Surveillance Requirement 4.3.1.1.1, the shift has 30 hours to complete the surveillance from the last time the surveillance was performed in order to comply with Technical Specifications.

Event 1: On August 21, 1995 at 0121 hours, the operating shift logged into Technical Specification Action Statement (TSAS) 3.3.1.1, Action 2b to perform SP 2601D. They logged out of the TSAS at 0140 hours indicating the surveillance was complete and accepted by the Shift Supervisor (SS). In accordance with Technical Specification Surveillance Requirement 4.0.2, this surveillance was due to be performed again on August 22, 1995 by 0140 hours, but no later than 0740 hours.

On August 22, 1995, during mid shift, the operating shift decided to postpone performance of SP 2601D to dayshift. During mids to days shift turnover, the mid shift SS indicated that SP 2601D still needed to be performed. An activity such as this would normally be performed by the next shift immediately after turnover. At approximately 0750, the day shift questioned whether Surveillance Requirement 4.0.3 had been violated. The SS Log and Technical Specifications were referenced to confirm that the surveillance had been missed. Surveillance Requirement 4.0.3 was entered, the day shift performed the surveillance, all Acceptance Criteria were met and surveillance Requirement 4.0.3 was exited.

**LICENSEE EVENT REPORT (LER)  
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TEXT (If more space is required, use additional copies of NRC Form 366A) (17)

Event 2: On August 7, 1995, SP 2601D had been performed and accepted as satisfactory at 0350 hours. In accordance with Technical Specification Surveillance Requirement 4.0.2, the next time this surveillance was due was August 22, 1995 at 0350 hours, but no later than 0950 hours. On August 8, 1995 during mid shift, performance of SP 2601D was deferred to day shift. The day shift was informed of this requirement and the need to perform SP 2601D in the Shift Turnover Report as a surveillance in progress. No one considered the performance of SP 2601D as a high priority or whether a time limit applied to this surveillance. At 0855, the shift logged into TSAS 3.3.1.1, Action 2B to begin performing the surveillance. The SS Log listed the surveillance as complete and accepted on August 8, 1995 at 1008 hours. This was 18 minutes beyond the required surveillance interval.

No automatic or manual initiated safety responses resulted from either occurrence.

II. Cause of Event

These events occurred due to personnel error. On both dates, the operating shift did not consider the significance of delaying the performance of the surveillance and placed a higher priority on other plant evolutions. The operating shift did not take into account that daily surveillances need to be performed within the specified time interval of 24 hours plus the maximum allowable extension, not to exceed 25% of the surveillance interval or, in this case, 6 hours. Some of the operators who were interviewed during the event investigation considered that daily surveillances needed only to be performed at some point on a given day. They did not take into account the Frequency Notation for "D" as defined in Section 1.0 of Technical Specifications or the maximum allowable extension per Technical Specification 4.02.

III. Analysis of Event

This event is being reported pursuant to the requirements of 10CFR50.73(a)(2)(i), a condition prohibited by the plant's Technical Specifications. In accordance with Technical Specification 4.0.2, each surveillance requirement shall be performed within the specified time interval with a maximum allowable interval not to exceed 25% of the surveillance time interval.

At no time was safety compromised since the surveillances were performed very shortly after the surveillance time interval had expired and the acceptance criteria were met on both dates.

IV. Corrective Action

In both cases, SP 2601D, "Power Range Safety Channel and Delta T Power Channel Calibration," was performed shortly after the surveillance time interval had expired and the acceptance criteria for the surveillance were met.

Licensed Operators were briefed on this event to ensure they understand that Technical Specification surveillance requirement 4.0.2 applies to shiftly and daily surveillances. To ensure that the surveillance time interval is not exceeded for these surveillance requirements, Operators were instructed to perform these surveillances at the beginning of the shift and to ensure the surveillance was accepted by the Shift Supervisor by 0300 hours. This would provide adequate margin to ensure the surveillance interval is not exceeded. If plant conditions require delaying performance of these surveillances, the operating shift shall determine when the surveillance time interval will expire and take measures to perform the surveillance within the required time interval.

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TEXT CONTINUATION**

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SP 2619A, "Control Room Shiftly Checks," is another surveillance that contains Technical Specification surveillance requirements that must be checked on either a shiftly or daily basis. The same problem could occur with these Technical Specification surveillance requirements. This surveillance procedure has been revised to include a signoff for the time when the surveillance has been completed and accepted. When the surveillance is accepted by the SS, an SS Log entry will be made. This will allow the operating shift to track the last time the surveillance was performed so that if its next performance is delayed, the shift can determine when the surveillance time interval will expire.

V. Additional Information

Related events: None