

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Millstone Nuclear Power Station Unit 3	DOCKET NUMBER (2) 0 5 0 0 0 4 2 3	PAGE (3) 1 OF 0 3
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TITLE (4)  
Missed Area Temperature Monitoring Surveillance Due To Personnel Error

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 NAMES		
0 8	1 9	8 8	8 8	0 2 1	0 0	0 9	1 9	8 8	0 5 0 0 0		
0 5 0 0 0											

OPERATING MODE (9) 1	THIS REPORT IS BEING SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)											
POWER LEVEL (10) 1 0 0	20.402(b)			20.402(c)			50.73(a)(2)(iv)			73.71(b)		
	20.405(a)(1)(i)			50.36(c)(1)			50.73(a)(2)(v)			73.71(c)		
	20.405(a)(1)(ii)			50.36(c)(2)			50.73(a)(2)(vii)			OTHER: (Specify in Abstract below and in Text, NRC Form 366A)		
	20.405(a)(1)(iii)			X 50.73(a)(2)(i)			50.73(a)(2)(viii)(A)					
	20.405(a)(1)(iv)			50.73(a)(2)(ii)			50.73(a)(2)(viii)(B)					
20.405(a)(1)(v)			50.73(a)(2)(iii)			50.73(a)(2)(ix)						

LICENSEE CONTACT FOR THIS LER (12)

NAME Vere R. Joseph, Associate Engineer, Extension 5571	TELEPHONE NUMBER 2 0 3 4 4 7 - 1 7 9 1
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COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE)  NO

EXPECTED SUBMISSION DATE (15)

MONTH	DAY	YEAR

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On August 19, 1988 at 1200 hours at 100% power, 586 degrees Fahrenheit and 2250 psia, the day shift supervisor discovered that the area temperature for environmental zone AB-06 was not taken within the required 12 hour surveillance interval. Total time between the missed readings was approximately 17 hours. Discovery of the incident occurred while performing a routine review of shift surveillance data to verify compliance with the plant's Technical Specifications.

On his first night on the midnight shift rotation, a non-licensed operator overlooked the requirement to manually obtain area temperature readings in zone AB-06 as indicated in the shift turnover documents. The shift supervisor failed to identify the deficiency during his shift turnover and Technical Specifications surveillance data reviews.

Root cause of the incident was personnel error. Shift personnel overlooked the requirement to manually obtain area temperature data, while temperature element TE-132 was inoperable.

Manual area temperature data retrieval in zone AB-06 was re-initiated. TE-132 was subsequently repaired. Surveillances and routine rounds, including all temporary logs, are now prepared in advance and the shift supervisor is now required to verify that all temporary logs have been completed.

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PDC

TE-132  
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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8   8	0   2   1	0   0	0   2	OF	0   3

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

I. Description of Event

On August 19, 1988 at 1200 hours while operating in Mode 1 at 100% power, 586 degrees Fahrenheit and 2250 psia, the day shift supervisor discovered that the area temperature reading for environmental zone AB-06, in the Auxiliary Building, was not taken within the required Technical Specifications surveillance interval. Total time between the missed readings was approximately 17 hours.

On his first night on the midnight shift rotation, the non-licensed operator (PEO) responsible for area temperature data retrieval overlooked the requirement to manually obtain an area temperature reading in zone AB-06, as indicated in the shift turnover documents. The temporary log was implemented because Calculating Datalogger point TE-132, which automatically monitors zone AB-06, had been providing unreliable readings and had been declared inoperable. During his review of the Calculating Datalogger printout, the temperature reading indicated by TE-132 appeared to be representative of the area and no further action was taken by the PEO. During his review of the shift turnover documents the on duty shift supervisor also failed to identify the requirement for manual area temperature data retrieval and subsequently, did not identify the deficiency during his review of the Technical Specifications surveillance data.

Discovery of the incident occurred while performing a routine review of shift surveillance data to verify compliance with the plant's Technical Specification surveillance requirement. Upon identification of the noncompliance with the plant's Technical Specification surveillance requirements, the day shift supervisor immediately re-initiated manual area temperature data retrieval in zone AB-06 and the Instrument and Controls Department was contacted to repair the temperature element.

II. Cause of Event

The root cause of the incident was personnel error. Shift personnel overlooked the requirement to manually obtain area temperature data, while TE-132 was inoperable.

III. Analysis of Event

This event is being reported under 10CFR50.73(a)(2)(i), as a surveillance required by the Technical Specifications which was not performed within its required interval. Plant Technical Specifications (reference Table 3.7-6) require that the temperatures of plant areas with environmentally qualified, safety related equipment be verified less than established high limits at least once every 12 hours. Fifteen (15) hours is the maximum time allowed between surveillance intervals, based on a 25% time window. The duration during which temperature in the area went un-monitored was approximately 17 hours.

The area temperature monitoring system is intended to monitor temperature excursions which could affect the qualified life of equipment bounded by the Equipment Environmental Qualification (EEQ) program. Ambient temperatures for the period prior to, at the time of the and after the incident, revealed that area temperatures were significantly below the maximum temperature limits established by the Technical Specifications. Based on the ambient temperature profile of the area and plant parameters being steady throughout the duration of the event, no adverse safety effects or degradation in equipment operability or qualified life occurred as a result of the missed temperature reading.

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TEXT (if more space is required, use additional NRC Form 366A's) (17)

IV. Corrective Action

Immediate corrective action was to re-initiate manual area temperature data retrieval in zone AB-06. The RTD associated with temperature element TE-132 was replaced and TE-132 was verified operable by the Instrument and Controls Department.

As action to prevent recurrence of a similar event, Technical Specification surveillances and routine rounds, including all temporary logs, are now prepared in advance vice at the beginning of each shift. Shift Supervisors are now required to verify that all temporary logs have been completed.

Similar LERs listed in section V, "Additional Information", which document failures to adequately identify and/or implement temporary logs required to verify Technical Specifications compliance, had actions to prevent recurrence which involved counseling of the individuals involved with the incident and provided written communication to the affected department emphasizing attention to detail. LER 87-046 implemented a situational surveillance form, as part of the shift turnover documentation, to identify temporary logs required by Technical Specifications Action Statements. This form did identify the requirement to manually obtain temperature readings in zone AB-06, but was overlooked during the shift turnover process. It is felt that preparation of surveillances, routine rounds and temporary log in advance and increasing the controls on temporary log preparation and review will be sufficient action to prevent recurrence of a similar event.

V. Additional Information

Similar LERs previously submitted by the licensee pertaining to missed surveillances which were not performed within the time interval required by Technical Specifications due to a failure to adequately identify and/or implement temporary logs are:

<u>LER Number</u>	<u>Subject</u>
87-006	Missed Surveillance Due to Personnel Error and Procedural Inadequacy - Area Temperature Monitoring
87-007	Containment Drain Sump
87-046	Rad Sampler Isolation/Missed Surveillance HVR Skid Violation of Plant Technical Specifications - Non Compliance with Action Statement

EIIS Codes

<u>System</u>	<u>Components</u>
Temperature Monitoring - IM	Calculating Datalogger - DAL Temperature Indicator - TI

# NORTHEAST UTILITIES



The Connecticut Light And Power Company  
Western Massachusetts Electric Company  
Holyoke Water Power Company  
Northeast Utilities Service Company  
Northeast Nuclear Energy Company

General Offices · Seiden Street, Berlin Connecticut

P. O. BOX 270  
HARTFORD, CONNECTICUT 06414-0270  
(203)665-5000

September 19, 1988  
MP-12241

Re: 10CFR50.73(a)(2)(i)

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

Reference: Facility Operating License No. NPF-49  
Docket No. 50-423  
Licensee Event Report 88-021-00

Gentlemen:

This letter forwards Licensee Event Report 88-021-00 required to be submitted within thirty (30) days pursuant to 10CFR50.73(a)(2)(i), any operation or condition prohibited by the Plant's Technical Specifications.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

A handwritten signature in cursive script that reads "Stephen E. Scace".

Stephen E. Scace  
Station Superintendent  
Millstone Nuclear Power Station

SES/VRJ:cjh

Attachment: LER 88-021-00

cc: W. T. Russell, Region I Administrator  
D. H. Jaffe, NRC Project Manager, Millstone Unit Nos. 2 and 3  
W. J. Raymond, Senior Resident Inspector, Millstone Unit Nos. 1, 2 and 3

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