

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1): **Millstone Nuclear Power Station Unit 3** DOCKET NUMBER (2): **0 5 0 0 0 4 2 3 1** PAGE (3): **1 OF 0 2**

TITLE (4): **Control Building Isolation Signals Due to Noise Spike**

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			DOCKET NUMBER(S)
0 2	0 5	8 6	8 6	0 1 1	0 0	0 3	0 4	8 6				0 5 0 0 0
												0 5 0 0 0

OPERATING MODE (9): **3** THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11):

20.402(b)	20.406(c)	<input checked="" type="checkbox"/> 50.73(a)(2)(iv)	73.71(b)
20.406(a)(1)(i)	50.36(c)(1)	50.73(a)(2)(v)	73.71(c)
20.406(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
20.406(a)(1)(iii)	50.73(a)(2)(i)	50.73(a)(2)(vii)(A)	
20.406(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(vii)(B)	
20.406(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12):

NAME	TELEPHONE NUMBER
Thomas Cleary, Associate Engineer	2 0 3 4 4 4 - 5 5 7 1

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
X	I L	M O N	S 4 2 0	N					

SUPPLEMENTAL REPORT EXPECTED (14):

YES (If yes, complete EXPECTED SUBMISSION DATE): **SEE TEXT** MONTH: DAY: YEAR:

NO

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (15):

This report is being submitted to identify a recurring problem with the Control Building Inlet Ventilation Radiation Monitors. Periodically a noise spike in one of the instrument loops causes the respective radiation monitor to momentarily alarm. When this occurs, a Control Building Isolation (CBI) signal is generated for the respective train. This inadvertent actuation is being reported as a single event. The investigation of the noise source is continuing, but due to its intermittent nature, a root cause has not yet been conclusively identified. The problem does not have any safety implications to either the public or plant personnel due to the system's fail-safe design. When the root cause is identified and corrective action is implemented, a revision to this report will be submitted.

This report is being submitted in accordance with 10CFR50.73 (a) (2) (iv).

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) Millstone Nuclear Power Station Unit 3	DOCKET NUMBER (2) 0500042386	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		86	0111	00	02	OF 02

TEXT (If more space is required, use additional NRC Form 388A's) (17)

This report is being submitted to identify a recurring problem with the Control Building Inlet Ventilation Radiation Monitors, HVC*RE16A and HVC*RE16B. These monitors are included in the Plant Technical Specifications Engineered Safety Features Instrument Block Table 3.3-3. Periodically a noise spike in one of the instrument loops causes the respective radiation monitor to momentarily alarm. When this occurs, a Control Building Isolation (CBI) signal is generated for the respective train. This inadvertent actuation is being reported as a single event. A CBI isolates the Control Room from the outside environment, and in approximately 60 seconds, initiates pressurization by unisolating the Control Room air storage bottles.

The investigation of the noise source is continuing, but due to its intermittent nature, a root cause has not yet been conclusively identified. The troubleshooting methodology consists of instrumenting portions of the control scheme, awaiting a noise spike, and analyzing the results. To date, it has not been possible to intentionally reproduce the noise spike.

The problem does not have any safety implications to either the public or plant personnel. By virtue of fail-safe design, the noise results in the system actuating to the accident positions. Even though several dampers reposition, the time delay before bottle discharge is sufficient to allow the operator to recognize that the signal is spurious and reset the CBI before the storage bottles start discharging. If the storage bottles should be discharged, the Technical Specifications allow continued operation for seven days in accordance with LCO Action 3.8.7.a.1, Operating the Control Room Emergency Air Filtration System in the Recirculation Mode.

When the root cause is identified and corrective action is implemented, a revision to this report will be submitted.

This report is being submitted in accordance with 10CFR50.73 (a) (2) (iv).

NORTHEAST UTILITIES



THE CONNECTICUT LIGHT AND POWER COMPANY
WESTERN MASSACHUSETTS ELECTRIC COMPANY
NEW YORK WATER POWER COMPANY
NORTHEAST UTILITIES SERVICE COMPANY
NORTHEAST NUCLEAR ENERGY COMPANY

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March 4, 1986

MP-8772

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 50-423/86-011-00

Gentlemen:

This letter forwards Licensee Event Report 86-011-00 required to be submitted within thirty days pursuant to 10CFR50.73 (a) (2) (iv), any event or condition that resulted in manual or automatic actuation of any Engineered Safety Feature (ESF).

Yours truly,

NORTHEAST NUCLEAR ENERGY COMPANY

A handwritten signature in cursive script, appearing to read 'Wayne D. Romberg'.

Wayne D. Romberg
Station Superintendent
Millstone Nuclear Power Station

WDR/TC:se

Attachment: LER 86-011-00

cc: Dr. T. E. Murley, Region I

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