

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Millstone Point Unit 2										DOCKET NUMBER (2) 0 5 0 0 0 3 3 6					PAGE (3) 1 OF 0 2	
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TITLE (4)
4.16 KV Bus 24D Undervoltage ESAS Actuation

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 4	0 1	8 5	8 5	0 0 5	0 0 0	4	3	0 8 5			0 5 0 0 0		
											0 5 0 0 0		

OPERATING MODE (9) N		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5. (Check one or more of the following) (11)									
POWER LEVEL (10) 0 10 10	20.402(b)	20.405(c)	X	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)	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)(x)							

LICENSEE CONTACT FOR THIS LER (12)										TELEPHONE NUMBER				
NAME Brendan J. Duffy										AREA CODE 2 0 3 4 4 7 - 1 7 9 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
A	E	A 8 6	0 0 0 0	Y					

SUPPLEMENTAL REPORT EXPECTED (14)					EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE)					X NO				

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

While in a refuel outage, in an undefined mode (core fully off-loaded), retest of a control switch in the control circuitry for the main feeder breaker from the Reserve Station Service Transformer (RSST) to the 4.16KV Emergency Bus 24D caused a loss of normal power (LNP) signal to be generated on the Facility 2 bus. The diesel generator started, however, did not not reenergize the bus due to the breaker test in progress. Facility 2 equipment and systems were out of service at the time of the occurrence.

The cause of the occurrence was a failure to recognize all components and signals effected by relay testing. Test personnel involved were instructed to exhibit increased caution when researching circuits to be tested and the use of pre-test briefings has been urged to review all aspects of a test. This precaution has been added to the electrical function test procedure. No further corrective action is required.

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PDR ADOCK 05000336
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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO 3150-0104

EXPIRES: 9/31/95

FACILITY NAME (1) Millstone Point Unit 2	DOCKET NUMBER (2) 0 5 0 0 0 3 3 6 8 5	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		8 5	0 0 5	0 0	0 2	OF 0 2

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

The unit was in a refuel outage with the core fully offloaded. A control switch in the control circuitry for the main feeder breaker (A-411) from the Reserve Station Service Transformer (RSST) to the 4.16KV Emergency Bus 24D had been replaced.

Electrical technicians were performing a retest on the control switch. This switch, when closed, allows two lockout relays (86-1 and 86-2) to be energized on a bus overcurrent condition. The technicians were required to close contacts associated with one of the relays, 86-2, to perform the retest. The remaining contacts on the 86-2 relay were blocked to prevent the relay from affecting other components. They failed to block any contacts on the 86-1 which paralleled the 86-2 relay.

When the control switch was properly aligned (closed) both coils of the two relays were energized and picked up. The contacts associated with relay 86-1 assumed their energized position causing feeder breaker (A-410) from the non-vital 4.16KV Bus to the vital 4.16KV Bus 24D, to open. The bus was thus without power. The Engineered Safety System sensed the bus undervoltage and processed an LNP causing the 13U Diesel Generator to start. The diesel generator output breaker did not close due to the testing involving the A-411 feeder breaker.

The cause of the LNP was identified and the normal power lineup was restored within approximately 15 minutes.

After power had been restored, the diesel generator was secured and the proper notifications were made.

The test personnel have been cautioned to use more care in researching circuits prior to performing retests. Additionally, test personnel have been urged to utilize pre-test briefings to discuss all aspects of the test to be performed and their expected results. The precaution concerning the researching of related circuits, has been added to the electrical function test procedure. No further corrective action is required.

There were no similar LER's.

NORTHEAST UTILITIES



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

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

Reference: Facility Operating License No. DPR-65
Docket No. 50-336
Reportable Occurrence RO 50-336/85-005-00

Gentlemen:

This letter forwards the Licensee Event Report 85-005-00 required to be submitted within thirty (30) days pursuant to paragraph 50.73 (a)(2)(iv), reporting any event or condition that resulted in manual or automatic actuation of any Engineered Safety Feature System.

Yours truly,

NORTHEAST NUCLEAR ENERGY COMPANY

A handwritten signature in cursive script, reading 'Wayne D. Romberg'.

Wayne D. Romberg
Station Superintendent
Millstone Nuclear Power Station

WDR/BJD:mo

Attachment: LER RO 50-336/85-005-00

cc: Dr. T. E. Murley, Region 1

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