

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		
TITLE (4) "B" Charging Pump Circuit Deficiency																
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	6	11	85	85	009	000	7	10	85					0 5 0 0 0		
OPERATING MODE (9) 5			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)													
POWER LEVEL (10) 0 0 0			20.402(b)				20.405(c)				50.73(a)(2)(iv)				73.71(b)	
			20.405(a)(1)(i)				50.38(c)(1)				50.73(a)(2)(v)				73.71(c)	
			20.405(a)(1)(ii)				50.38(c)(2)				50.73(a)(2)(vii)				<input checked="" type="checkbox"/> 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)				Voluntary Report	
			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 Steve Brinkman, Plant Engineer										TELEPHONE NUMBER 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 NPDs		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs						
		N/A														
SUPPLEMENTAL REPORT EXPECTED (14)												EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)												<input checked="" type="checkbox"/> NO				

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

The Unit was in Mode 5 with preparations ongoing to return the Unit to service following a refueling outage. During routine testing at the Unit simulator, an apparent discrepancy was noted in the charging pump circuitry. This discrepancy concerned a design error in the "B" charging pump (swing pump) circuit which could inhibit pump operation due to certain loss of normal power (LNP) events. Investigation confirmed that during a partial LNP event (single facility), the "B" charging pump would become inoperable if powered from the other facility. Upon confirmation of this condition, the circuit design was modified to eliminate this problem. In addition, a review was undertaken to identify an other similar circuit designs; none were found.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1) Millstone Point Unit 2	DOCKET NUMBER (2) 0 5 0 0 0 3 3 6	LER NUMBER (5)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8 5	0 0 9	0 0	0 2	OF	0 2

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

During routine testing of the Unit simulator, an apparent design discrepancy was discovered with the "B" charging pump circuit. (The "B" is the swing pump - can be aligned to either facility). The simulated problem noted rendered the "B" pump inoperable following a partial loss of normal power (LNP).

The scenario which brought this problem to light concerned an LNP on the opposite facility to which the "B" charging pump was aligned. Subsequent investigation of the circuit design revealed that due to the logic associated with the Kirk Key interlocks and Diesel Sequencing the existing circuitry would render the "B" pump inoperable following a partial LNP.

A modification to the circuit design was immediately implemented to circumvent the existing logic to ensure continued operability of the "B" charging pump. In addition, to determine whether a similar problem may exist with other dual facility safety related pumps, a review of all circuitry was undertaken. This investigation failed to find fault with any other circuits.

Similar LER's: None

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-50-336/85-009-0

Gentlemen:

This letter forwards the Licensee Event Report 85-009-0 which is a voluntary LER submitted for information only.

Very truly,

NORTHEAST NUCLEAR ENERGY COMPANY

Wayne D. Romberg
Station Superintendent
Millstone Nuclear Power Station

WDR/SB:ejl

Attachment: LER RO 50-336/85-009-0

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

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