



Northeast  
Nuclear Energy

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Millstone Nuclear Power Station  
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)(v)

October 17, 1994  
MP-94-592

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 94-024-00

This letter forwards Licensee Event Report 94-024-00 required to be submitted within thirty (30) days pursuant to 10CFR50.73(a)(2)(v).

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

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

DBM/SLS:ljs

Attachment: LER 94-024-00

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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9410270295 941017  
PDR ADDCK 05000336  
S PDR

cert # 2758994873

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**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 (MNNB 7714), U.S. NUCLEAR REGULATORY COMMISSION,  
WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION  
PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET,  
WASHINGTON, DC 20503.

FACILITY NAME (1) Millstone Nuclear Power Station Unit 2										DOCKET NUMBER (2) 05000336		PAGE (3) 1 OF 3			
TITLE (4) Two Diesel Generators Inoperable															
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				
09	22	94	94	-- 024 --	00	10	17	94			05000				
									FACILITY NAME		DOCKET NUMBER				
											05000				
OPERATING MODE (9)		1		THIS REPORT IS BEING SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more) (11)											
				20.402(b)				20.405(c)				50.73(a)(2)(iv)		73.71(b)	
POWER LEVEL (10)		100		20.405(a)(1)(i)				50.36(c)(1)		X		50.73(a)(2)(iv)		73.71(c)	
				20.405(a)(1)(ii)				50.36(c)(2)				50.73(a)(2)(vi)		OTHER	
				20.405(a)(1)(iii)				50.73(a)(2)(i)				50.73(a)(2)(vii)(A)		(Specify in Abstract below and in Text, NRC Form 366A)	
				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 Philip J. Lutzi, Nuclear Licensing										TELEPHONE NUMBER (Include Area Code) (203) 440-2072					
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)															
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS					
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 15 single-spaced typewritten lines) (16)

On September 22, 1994, at 1347 hours with the plant in mode 1, 100% power, the B Diesel Generator (DG) was out of service for corrective maintenance due to a service water leak. Preparations were in progress to perform a "quick start" on the A DG to prove its operability when the DG disable alarm was received in the control room as the fuel rack was being verified reset. No local alarms were received. The alarm was reset. This action was repeated with the same result. On the third attempt no alarms were received. On the fourth attempt the DG disable alarm sequence as above repeated itself. The A DG was declared inoperable from the time of the original event. The alarms were reset and the pre-start continued with no unusual events. The "quick start" was performed without incident and the A DG was declared operable.

EXPIRES: 5/31/95

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

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 (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)		PAGE (3)
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER
Millstone Nuclear Power Station Unit 2	05000336	94	— 024 —	00
				02 OF 03

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

**I. Description of Event**

On September 22, 1994, the plant was in mode 1, 100% Power. At 0908 the B DG was removed from service for a monthly surveillance run. Almost immediately after start-up for the surveillance run the B DG was shutdown for a service water leak on the piping to the DG heat exchangers. Because the B DG was now out of service for corrective maintenance, rather than preplanned maintenance, preparations were made to perform a "quick start" on the A DG to prove its operability.

One item to be performed on the pre-start checklist is to verify the fuel rack is reset by moving the reset lever arm to the reset position. During this step the control room received a "DG Disable" alarm without the local alarm at the DG skid. The alarm was reset at the local panel and the control room requested the local operator to repeat the step. The same response occurred. The alarm was reset and the local operator was requested to repeat the step a third time while observing the "shut-down" relay which provides an input to the DG failure alarm. During this third attempt no alarms were received and the "shut-down" relay did not change state. On the fourth attempt, the alarm came in in the control room and the shutdown relay was observed to move. No other alarms were received. The A DG was declared inoperable at the time of the first event. All alarms were cleared and the remainder of the pre-start checklist was completed. A "quick start" was successfully performed. Based on the fact that the conditions could not be repeated, and troubleshooting failed to determine the cause of the problem, and the fact that the control room alarm could be depended on to provide indication of further problems, the A DG was declared operable. Approximately one week later troubleshooting was performed and the event could not be repeated.

**II. Cause of Event**

The cause of the event is unknown. Efforts to duplicate the event were unsuccessful. The reset lever has a fork that moves a spring latching mechanism to a latched condition. A microswitch is connected to this mechanism by a linkage arm. When the fuel rack is tripped (manually, or by the engine overspeed mechanism) the micro-switch is activated. A possible cause of the event is the operator who performed the reset stated he uses a large amount of force to verify reset. This may have caused the alarms in the control room. It was decided that it would be best to wait until the diesel is removed from service for the 18 month inspection sometime in November 1994 prior to attempting to duplicate the event using any large amount of force. Further troubleshooting will be performed at that time to understand why alarms are received in the control room but not at the local panel.

**III. Analysis of Event**

This event is being reported in accordance with 10CFR50.72(b)(2)(iii), a condition that could have prevented a system from mitigating the consequences of an accident. There were no safety consequences as a result of this event since there is no evidence the diesel generator system would not have performed its design function. During the time period both diesels were inoperable, the unit complied with technical specifications. All offsite sources were operable.

**IV. Corrective Action**

The alarms were reset, the pre-start checklist was completed and a "quick start" was performed on the Diesel Generator System to verify operability of the system. The need to verify that the fuel rack is reset has been reevaluated and we have determined that this is not necessary, unless the rack has actually been tripped.

The condition of the alarm in the control room with no local alarm will be investigated further during the 18 month inspection currently scheduled for November 1994.

EXPIRES: 5/31/95

**LICENSEE EVENT REPORT (LER)**  
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		YEAR  94	SEQUENTIAL NUMBER  — 024 —	REVISION NUMBER  00	03 OF 03

**TEXT** (If more space is required, use additional copies of NRC Form 366A) (17)**V. Additional Information**

There were no failed components associated with this event.

Similar Events: None

EIS Codes:

Emergency Diesel Generator EK

Manufacturer: Coltec Industries C470  
Fairbanks Morse Engine Division  
Model 38TD8-1/8 X 10 OP