



Northeast
Nuclear Energy

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The Northeast Utilities System

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

Re: 10CFR50.72(b)(2)(iii)
10CFR50.73(a)(2)(vi)

July 22, 1994
MP-94-477

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 94-022-00

This letter forwards Licensee Event Report 94-022-00 required to be submitted within thirty (30) days pursuant to 10CFR50.72(b)(2)(iii) and 10CFR50.73(a)(2)(vi).

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

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

DBM/PJL:ljs

Attachment: LER 94-022-00

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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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

(See reverse for required number of digits/characters for each block)

FACILITY NAME (1) Millstone Nuclear Power Station Unit 2										DOCKET NUMBER (2) 05000336		PAGE (3) 1 OF 2		
TITLE (4) Two Hydrogen Analyzers Inoperative														
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			
06	22	94	94	022	00	07	22	94			05000			
									FACILITY NAME		DOCKET NUMBER			
											05000			
OPERATING MODE (9)		1		THIS REPORT IS BEING SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more) (11)										
				20.402(b)			20.405(c)			50.73(a)(2)(iv)			73.71(b)	
POWER LEVEL (10)				20.405(a)(1)(i)			50.36(c)(1)			50.73(a)(2)(iv)			73.71(c)	
				20.405(a)(1)(ii)			50.36(c)(2)			50.73(a)(2)(vi)			X 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)(vii)(B)				
				20.405(a)(1)(v)			50.73(a)(2)(iii)			50.73(a)(2)(x)				
LICENSEE CONTACT FOR THIS LER (12)														
NAME Philip J. Lutz, Site Licensing										TELEPHONE NUMBER (Include Area Code) (203) 447-1791 Ext. 6585				
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)										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 June 20, 1994 at 0503 hrs with the Plant in mode 1, monthly surveillance tests were started on the plants two hydrogen analyzers. The first analyzer successfully passed its surveillance test criteria. The second analyzer failed its surveillance test and was considered inoperable from the time of its last surveillance due to the nature of the failure. Because a Technical Specification Action Statment was entered to perform the surveillance on the first analyzer, the Supervisory Control Operator (SCO) made a conservative decision to report both analyzers inoperable during the time the surveillance was being performed on the first analyzer.

This is being reported pursuant to requirements of 10CFR50.73(a) (2)(vi) redundant equipment in the same system was not available to perform the required safety function.

EXPIRES: 5/31/95

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 60.0 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	- 022 -	00
				02 OF 02

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

I. Description of Event

On June 20, 1994 at 0503 hrs with the Plant in mode 1, operations entered an Action Statement for the "A" Hydrogen analyzer in order to perform I&C surveillance SP 2403C. The surveillance was performed satisfactorily and Operations exited the Action Statement at 1046 hrs, 5 hrs and 49 min later. The next day, June 21, 1994 at 05:29 hrs. Operations entered the Action Statement for the "B" Hydrogen analyzer in order to perform the I&C surveillance SP 2403C. The I&C technician performing the surveillance found the Analyzer did not respond to calibration. The technician initiated paper work to begin troubleshooting. The SCO considered this condition reportable since no backup analyzer would have been available during the surveillance of the "A" analyzer the day before. The "B" analyzer was subsequently repaired and the unit came out of the Action Statement at 1341 hrs on June 22, 1994, 32 and 1/4 hrs later. Based on the time it took for the surveillance of the "A" analyzer and the repair of the "B" analyzer the SCO was being conservative in his immediate report. Since the hydrogen analyzers were never both inoperable for a period of greater than 72 hrs, there was no technical specification violation, as paragraph 3.6.4.1 allows 72 hours for the restoration of at least one analyzer if both were out of service. The surveillance for the "A" unit was done in less than 6 hrs and, as noted above, the "B" unit was repaired in less than 33hrs.

The Operator's initial action was to verify the "A" analyzer operable and initiate AWO's to repair the "B" analyzer. There were no manual or automatic safety system actuations.

II. Cause of Event

The hydrogen analyzers have a motor driven cam timer that is used for automatic sampling. The timer actuates a series of switches which initiate various steps in the sampling process. Millstone 2 does not use this automatic function, therefore the timer switch is left in the off position in accordance with the operating procedure. Sampling for the surveillance and for normal operation is done manually. The root cause of the event was determined to be the timer motor gear coming loose allowing the cams to rotate to a position that would not allow the manual sampling function to operate.

III. Analysis of Event

This event was conservatively reported pursuant to 10CFR50.72(b)(2)(iii) and 10CFR50.73(a)(2)(vi), redundant equipment in the same system was not available to perform the required safety function. An assessment determined there was no safety consequences associated with this event since all inoperable periods were within the allowed times associated with the plants technical specifications.

IV. Corrective Action

I&C repaired the defective unit and surveillance SP 2403C was performed satisfactorily. An investigation of timing circuit problems is scheduled during the July monthly surveillance of the "B" analyzer. This will include the gear fastening and the possibility disabling or removing the timer completely.

V. Additional Information

There are no similar LERS that deal with Two Hydrogen analyzers being out of service at the same time.

EIIS code BB; CD; B202--Hydrogen Analyzer