NRC Form 366
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)	DOCKET NUMBER (2)	PAGE (3)
Millstone Point Unit 2	0 5 0 0 0 3 3 6	1 OF 0 3

TITLE (4)
Shutdown Due to Hurricane "Gloria"

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 9	2 7	8 5	8 5	— 0 1 4	— 0 0	1 0	2 5	8 5	Millstone Point Unit 1	0 5 0 0 0 2 4 5
									N/A	0 5 0 0 0

OPERATING MODE (9)	1	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)			
POWER LEVEL (10)	1 0 0	20.402(b)	20.405(c)	50.73(a)(2)(iv)	73.71(b)
		20.405(a)(1)(i)	50.36(a)(1)	50.73(a)(2)(v)	73.71(c)
		20.405(a)(1)(ii)	50.36(a)(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)	X 50.73(a)(2)(iii)	50.73(a)(2)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
Eugene M. McNatt, Jr. Ext. 4422	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 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 fifteen single-space typewritten lines) (16)

Millstone Unit 2 commenced an orderly shutdown the morning of September 27, 1985 at 0820 hours. This shutdown was done as a precautionary measure due to the impending arrival of hurricane "Gloria". During the peak of the storm grounding problems caused the unit to manually divorce itself from offsite power. Natural circulation was maintained with power being supplied by the two emergency diesels for approximately 24 hours. When normal offsite power was restored, the unit was placed in a normal hot shutdown condition. No safety concerns resulted from this event and therefore no further corrective action is required.

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FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
Millstone Point Unit 2	0 5 0 0 0 3 3 6	8 5	— 0 1 4	— 0 0	0 2 OF 0 3

"EXT" [illegible] NRC Form 366A's (17)

On September 27, 1985 with the impending arrival of hurricane "Gloria", Millstone Unit 2 commenced an orderly shutdown. The power reduction started from 100% power at 0820 hours, with the generator being removed from the grid at 1109 hours, and the reactor taken subcritical at 1140 hours. The shutdown was in a controlled and orderly manner and was done as a precautionary measure due to the approaching storm.

Prior to and during the reactor shutdown, precautionary steps outlined in the Abnormal Operating Procedure (AOP) 2560 were taken. These actions included installing the protective cover on the 'B' (swing) service water pump motor, laying out supply hoses to bring alternate cooling water, if needed, to a diesel generator and the instrument air compressors, installing sand bags around doorways, closing floodgate doors, installing life lines between outdoor buildings to insure personnel could move safely between buildings when necessary.

As the storm reach its peak it became evident that because of a lack of any effective rainfall, a heavy buildup of salt spray was taking place as seen by an increased frequency of grounding on outside transformers, switchyard transmission lines, and circuit breakers. To prevent an unexpected loss of power, steps were taken to divorce the plant from the offsite lines. Since the reactor had been taken subcritical at 1140 hours, and was in Mode 3 hot shutdown condition, at 1315 hours all four reactor coolant pumps were secured, and both emergency diesels were prelubed in preparation for an emergency start. At 1317 hours the supply from the reserve transformer (RSST) was opened manually, deenergizing the 6900 volt and 4160 volt buses. Both emergency diesels automatically started and loaded as expected with no abnormalities. By 1330 hours natural circulation was verified in the Reactor Coolant System (RCS), with heat removal from the RCS via both steam generators. The steam generators were being supplied with feedwater by the electrically driven auxiliary feedwater pumps. The auxiliary feedwater system functioned normally with an adequate supply of water being maintained in the condensate storage tank.

The Station Emergency Organization had been activated and in place since 0700 hours on the morning of the storm to ensure that all actions taken were performed under a coordinated and planned effort, to minimize the potential danger to personnel and the plant, and also to make maximum use of forces at hand. Extra personnel were kept at the station to provide assistance and all non-essential personnel were sent home well before the peak of the storm hit the area. A relief schedule was prepared and put in effect that provided for adequate relief of those who had been at the station during the storm.

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
Millstone Point Unit 2	0 5 0 0 0 3 3 6	8 5	— 0 1 4	— 0 0	0 3 OF 0 3

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

Millstone Point Unit 2

The unit remained in this configuration for approximately 30 hours. Normal offsite power via the RSST was restored at 1527 hours on September 28, 1985 following a complete washdown of the outside transformers, transmission lines, switchyard circuit breakers, and the replacement of several damaged lightning arresters.

The Station Emergency Organization was formally deactivated with the restoration of offsite power. With the RSST and associated buses reenergized, forced circulation was reestablished in the RCS at 1630 hours, and the unit was returned to a normal shutdown condition. Subsequently the unit was placed in a cold shutdown condition to perform maintenance activities.

No safety concerns resulted from this event and therefore no further corrective action is required.

Similar LER's: 76-49

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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October 25, 1985

MP-8311

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 50-336/85-014-00

Gentlemen:

This letter forwards the Licensee Event Report 85-014-00 required to be submitted within thirty (30) days pursuant to paragraph 50.73 (a) (2) (iii), reporting a condition where any natural phenomenon that significantly hampered site personnel in the performance of duties necessary for the safe operation of the nuclear power plant.

Yours truly,

NORTHEAST NUCLEAR ENERGY COMPANY

Wayne D. Romberg

Wayne D. Romberg
Station Superintendent
Millstone Nuclear Power Station

WDR/EMM:mo

Attachment: LER RO 50-336/85-014-00

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

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