NORTHEAST UTILITIES
The Connecticut Light And Power Company
Western Massachusetts Electric Company
Holyoke Water Power Company
Northeast Utilities Service Company
Northeast Nuclear Energy Company

General Offices · Selden Street, Berlin Connecticut

P.O.BOX 270
HARTFORD, CONNECTICUT 06141-0270
(203)665-5000

Re: 10CFR50.73(a)(2)(v)
September 18, 1992
MP-92-1026

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 92-015-00

Gentlemen:

This letter forwards Licensee Event Report 92-015-00 required to be submitted within thirty (30) days pursuant to 10CFR50.73(a)(2)(v).

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

Stephen E. Scace
Vice President - Millstone Station

SES/WCS:ljs

Attachment: LER 92-015-00

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

Cert # P828 873590

IE22

NRC Form 386
(6-89)

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104
EXPIRES: 4/30/92

Estimated burden per response to comply with this information collection request: 50.0 hrs. Forward comments regarding burden estimate to the Records and Reports Management Branch (p-630), U.S. Nuclear Regulatory Commission, Washington, DC 20555, and to the Paperwork Reduction Project (3150-0104), Office of Management and Budget, Washington, DC 20503.

LICENSEE EVENT REPORT (LER)

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

TITLE (4)
Spec 200 Cabinets Seismic Qualification

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	
0 8	2 1	9 2	9 2	- 0 1 5	- 0 0	0 9	1 8	9 2		0 5 0 0 0
										0 5 0 0 0

OPERATING MODE (9)	1	THIS REPORT IS BEING 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)	50.36(c)(1)	X 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)

NAME	TELEPHONE NUMBER
Woodrow C. Saccoccio, Engineer, Ext. 4460	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)

X YES (If yes, complete EXPECTED SUBMISSION DATE) ☐ NO

EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
	0 1	3 1	9 3

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

On August 21, 1992, at 1000, with the plant in cold shutdown and all of the fuel in the Spent Fuel Pool, it was determined that SPEC 200 cabinets manufactured by the Foxboro Company may not be seismically qualified as a result of missing bumpers. These cabinets contain safety related equipment which may not have performed its intended safety function after a seismic event.

Information Notice 91-70 entitled, "Improper Installation of Instrumentation Modules" was reviewed by the licensee and an initial review of the instrumentation was performed in February of 1992. This review was not all inclusive since the unit was on line. The instruments which were readily accessible were checked and at that time, all were found to have the necessary seismic bumpers. A thorough inspection of all instruments was planned later in the year during the 1992 refueling outage. This inspection revealed that bumpers were missing and the potential for the loss of safety related systems after a seismic event.

The licensee purchased SPEC 200 instrument nests and modules separately over the years and assembled them at the site. The vendor shipped the seismic bumpers with the equipment. Vendor manuals were included in the original cabinet purchase but at that time, the vendor had not included bumper installation instructions for safety related components. The seismic test report stated that modifications had to be made for the equipment to be seismically qualified. Since the instructions did not specify bumper installation, it was assumed that any necessary modifications to the equipment had been made by the vendor prior to shipment.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

APPROVED OMB NO. 3150-0104
EXPIRES: 4/30/92

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FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
Millstone Nuclear Power Station Unit 2	0 5 0 0 0 3 3 6	9 2	— 0 1 5	— 0 0	0 2 OF 0 2

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

I. Description of Event

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II. Cause of Event

The root cause of the event was lack of adequate vendor instruction to install seismic bumpers when cards are added to the cabinets by the user.

III. Analysis of Event

This event is being reported pursuant to the requirements of 10CFR50.73(a)(2)(v), a condition that could have prevented the fulfillment of the safety function of safety related systems. There were no safety concerns since the equipment in the cabinets did not become disabled as a result of a seismic event. Examination revealed that between the ten SPEC 200 cabinets installed in the MP2 Control Room, approximately 400 bumpers were missing. These missing bumpers had the potential to affect the function of the associated SPEC 200 cards during a seismic event since there is no test documentation that shows the cards would be unaffected without the bumpers installed. Early (1973) Foxboro vibration testing on a rack assembly found card deflection and component damage with 2 g's at 25 Hz. However, the MP2 seismic response spectra is well below these levels.

IV. Corrective Action

All of the equipment located in the cabinets was inspected to determine how many seismic bumpers were missing. The bumpers have been ordered and will be installed prior to startup from the 1992 Refueling Outage. In addition, a Technical Bulletin has been prepared to inform the appropriate departments of this issue.

V. Additional Information

None