NORTHEAST UTILITIES
THE CONNECTICUT LIGHT AND POWER COMPANY
THE HARTFORD ELECTRIC LIGHT COMPANY
WESTERN MASSACHUSETTS ELECTRIC COMPANY
HOLYOKE WATER POWER COMPANY
NORTHEAST UTILITIES SERVICE COMPANY
NORTHEAST NUCLEAR ENERGY COMPANY

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April 18, 1979

Docket No. 50-336

Director of Nuclear Reactor Regulation
Attn: Mr. R. Reid, Chief
Operating Reactors Branch #4
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Reference: (1) B. H. Grier letter to W. G. Counsil dated February 8, 1979, forwarding I&E Bulletin 79-01.

Gentlemen:

Millstone Nuclear Power Station, Unit No. 2
I&E Bulletin 79-01 Environmental Qualification of Class 1E Equipment

In accordance with the reporting requirements of Reference (1), Northeast Nuclear Energy Company (NNECO) is advising the NRC Staff that it has been determined that one solenoid installed on a safety-related valve in the Millstone Unit No. 2 containment has not been qualified for service in the LOCA environment.

The original design function of this valve, (2-CH-517), the auxiliary spray valve, is to cool the pressurizer when the pressure of the reactor coolant system is below that required to operate the reactor coolant pumps. This feature is described in FSAR Section 9.2.3.3. Since that time, a flow path utilizing this valve was established for the hot leg injection method of precluding postulated boron precipitation concerns following a LOCA. The fact that this valve is now being used for an additional application, beyond the original design intent, supports NNECO's conclusion that this lack of qualification is a unique situation.

The solenoid installed on 2-CH-517, Model Number 8302C27RF, Serial Number 22516A, will be replaced with an environmentally qualified solenoid prior to the start of Cycle 3 operation.

Although not reportable by the requirements of Reference (1), four other solenoids installed on safety-related valves within the Millstone Unit No. 2 containment are noted. These solenoids are fully qualified to perform their design function in a LOCA environment, unless subjected to a coincident undervoltage condition, i.e., 90-100 V DC, applied to a solenoid with a nominal voltage rating of 125 V DC. The nominal DC voltage level within the plant is 130 - 132 volts, and it is not a credible hypothesis to superimpose the requirements of a LOCA and a severe (less than 100 V) undervoltage condition on these solenoids. Therefore, the current solenoids are acceptable. However, it is the intention of NNECO to replace these four solenoids as soon as replacements are available, and during the current refueling outage, if possible. If replacements cannot be procured on a schedule compatible with the start of Cycle 3 operation, replacement will be accomplished at the first suitable opportunity. A list of the specific valves, and the associated model number and serial number, is provided as follows:

Valve	Solenoid Model No.	Serial No.
CH-518	HTX-8320A90V	77965A
CH-519	HTX-8320A90V	77965A
EB-91	HT-834445V	19820B
EB-100	HT-834445V	19820B

Because the information presented above is considered complete, the 14-day report requested in Reference (1) is not planned in this instance. Also, justification for continued operation is not applicable.

We trust the above information is responsive to your requests of Reference (1).

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

W. G. Counsil

W. G. Counsil
Vice President