

# 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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July 17, 1984

Docket No. 50-423  
F0508A

Dr. Thomas E. Murley  
Regional Administrator  
Region I  
U.S. Nuclear Regulatory Commission  
631 Park Avenue  
King of Prussia, PA 19406

Reference: (1) W. G. Counsil letter to T. E. Murley, FO471A, dated March 1, 1984.

Dear Dr. Murley:

Millstone Nuclear Power Station, Unit No. 3  
Reporting of Potential Significant Deficiencies  
in Design and Construction: NAMCO Model  
EA-180 Limit Switches (SD-51)

In a January 31, 1984 telephone conversation between your Mr. T. Rebelowski and our Mr. D. B. Vail, Northeast Nuclear Energy Company (NNECO) reported a potential significant deficiency in the construction of Millstone Unit No. 3 as required by 10CFR 50.55(e). Subsequently, this was followed up with another telephone conversation with your Mr. T. Elsasser on February 1, 1984.

The potential significant deficiency involved NAMCO Model EA-180 limit switches provided as accessories on valves supplied by Pacific Valves and Fisher Controls. NAMCO determined that the splined lever shaft in some NAMCO Model EA-180 limit switches may not expand adequately to secure the operating lever when the expansion plug is tightened in the end of the shaft due to expansion plug galling. A preliminary review performed by NUSCO Engineering determined that this potential significant deficiency could adversely impact the operation of Category 1E circuits and equipment. We are now providing you with additional information regarding these limit switches.

The valves provided with the subject limit switches are used in safe shutdown, accident mitigation, and containment isolation systems, and for safety to non-safety system isolation valves. The switches perform functions which include valve position, status indication, and valve operating interlock signals.

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We are currently aware that there are eight (8) valves provided by Pacific Valves with the subject switches. These affected valves are as follows:

3RHS*MV8701B	RCS to RHR
3RHS*MV8702A	RCS to RHR
3SIL*MV8812B	RHR Suction from RWST
3SIH*MV8813	SI Pumps to RWST
3RSS*MV8837A	Recirc Pump A to Cold Leg of RCS
3RSS*MV8837B	Recirc Pump B to Cold Leg of RCS
3RSS*MV8838A	Recirc Pump C to Cold Leg of RCS
3RSS*MV8838B	Recirc Pump D to Cold Leg of RCS

We are also aware that there are twelve (12) valves provided by Fisher Controls with the subject switches. These affected valves are as follows:

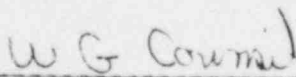
3IAS*PV15	Containment Instrument Air Supply Pressure
3CDS*CTB38A	Chilled Water Containment Trip
3CDS*CTB38C	Chilled Water Containment Trip
3CDS*CTB39A	Chilled Water Containment Trip
3CDS*CTB39B	Chilled Water Containment Trip
3CCP*AOV10A	Tr. A Nonsafety Header Supply Isolation
3CCP*AOV10B	Tr. B Nonsafety Header Supply Isolation
3CCP*AOV19A	Tr. A Nonsafety Header Supply Isolation
3CCP*AOV19B	Tr. B Nonsafety Header Supply Isolation
3CCP*AOV194A	Tr. A Nonsafety Header Supply Isolation
3CCP*AOV194B	Tr. B Nonsafety Header Supply Isolation
3FPW*CTV48	Containment Fire Protection Water Isolation

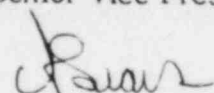
We have received a list of the date codes of the deficient switches from NAMCO. Stone & Webster Engineering Corporation is in the process of reviewing this list against all other Model EA-180 limit switches which will be used at Millstone Unit No. 3. Once the remainder of the deficient switches have been identified, new nongalling expansion plugs will be procured from NAMCO and the affected switches repaired.

We are not able to provide you with a final report at this time. Our next report regarding this matter will be provided to you by October 23, 1984.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

  
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W. G. Council  
Senior Vice President

  
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BY: C. F. Sears  
Vice President  
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