

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. Council 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 10CFR50.55(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 IE 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:

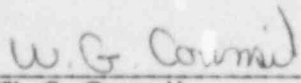
| | |
|--------------|---|
| 3IAS*PV15 | Containment Instrument Air Supply Pressure |
| 3CDS*CTB38A | Chilled Water Containment Trip |
| 3CDS*CTB38C | Chilled Water Containment Trip |
| 3CDS*CTB39A | Chilled Water Containment Trip |
| 3CDS*CTB39B | Chilled Water Containment Trip |
| 3CCP*AOV10A | Tr. 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.

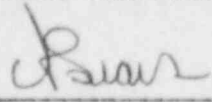
We are not able to provide you with a final report at this time. Our next report regarding this matter will be provided to you by October 23, 1984.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY



W. G. Council
Senior Vice President



BY: C. F. Sears
Vice President
Nuclear and Environmental Engineering

cc: Mr. R. C. DeYoung, Director
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