

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

October 23, 1984

Docket No. 50-423
F0588A

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, F0471A, dated March 1, 1984.
- (2) W. G. Council letter to T. E. Murley, F0508A, dated July 17, 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. We completed our evaluation of this potential problem and determined that it was a significant deficiency (see References 1 and 2).

The 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. 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. Thus, this condition could adversely affect the operation of Category IE circuits and equipment.

8411130215 841023
PDR ADOCK 05000423
S PDR

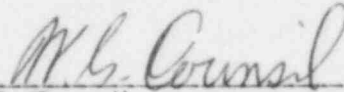
1/0
IE 27

We have completed our review to identify all valves which utilized Model EA-180 limit switches at Millstone Unit No. 3. We have determined that only Pacific Valves and Fisher Controls have supplied valves with the subject limit switches. A list identifying these valves was provided to you in Reference (2). In addition, repair work for all of the deficient switches has been completed and certificates of conformance for the new nongalling expansion plugs received.

We consider this to be our final report closing out SD-51. We trust that the above information satisfactorily responds to your concerns.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY



W. G. Council
Senior Vice President

cc: Mr. R. C. DeYoung, Director
Division of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Phillips Building
7920 Norfolk Avenue
Bethesda, MD 20014