

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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August 29, 1985

Docket No. 50-423
F0811A

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

References: (1) J.F. Opeka to T.E. Murley, F0754A, dated May 10, 1985.
(2) J.F. Opeka to T.E. Murley, F0777A, dated July 11, 1985.

Dear Dr. Murley:

Millstone Nuclear Power Station, Unit No. 3
Reporting of Potential Significant Deficiencies
in Accordance with 10CFR50.55(e):
Structural Steel Connections in the Main Steam Valve Building (SD-81)

In an April 12, 1985 telephone conversation between your Mr. T. Rebelowski and our Mr. P.J. Quinlan, Northeast Nuclear Energy Company (NNECO) reported a potential significant deficiency in the construction of Millstone Unit No. 3 in accordance with 10CFR50.55(e). As noted in Reference (1), the potential significant deficiency involved structural steel connections in the Main Steam Valve Building (MSVB).

During the NRC Construction Appraisal Team inspection at Millstone Unit No. 3, a concern was identified regarding undersized fillet welds on the clip angles for three (3) W14 x 68 beams welded to embedded plates for the structural steel installation in the MSVB. Further concerns were identified with beams utilizing fixed end and slotted connections. The inspection also revealed beams with slotted connections to have bolts tensioned beyond the finger-tight requirement of the design drawing.

As noted in Reference (2), NNECO determined this to be a significant deficiency in accordance with 10CFR50.55(e). NNECO also noted that these conditions are expected to be limited to the MSVB. The sampling of connections in other QA Category 1 Buildings is still being performed to verify this.

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As such, we are not able to provide a final report at this time. We will provide an update on this matter by September 12, 1985.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

J.F. OPEKA
J.F. Opeka
Senior Vice President

E.J. Mroczka
By: E.J. Mroczka
Vice President

cc: Mr. J.M. Taylor, Director
Division of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555