NORTHEAST UTILITIES
NU
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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May 20, 1981

Docket Nos. 50-213
50-245
50-336
A01644

Mr. Boyce H. Grier, Director
Region 1
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

References: (1) B. H. Grier letter to W. G. Counsil dated April 9, 1981 transmitting I&E Bulletin No. 81-02.

Gentlemen:

Haddam Neck Plant
Millstone Nuclear Power Station, Unit Nos. 1 and 2
Response to I&E Bulletin No. 81-02

In Reference (1), Connecticut Yankee Atomic Power Company (CYAPCO) and Northeast Nuclear Energy Company (NNECO), respectively, were requested to determine whether there were any gate valves listed in Reference (1) which are currently installed or carried as spares. The subject gate valves have failed to fully close above the threshold differential pressures listed in the Bulletin.

As a result of their review, NNECO has determined that there are no valves listed in Reference (1) which are currently installed or carried as spares at Millstone Units 1 and 2.

CYAPCO has also reviewed their plant and determined that there are six valves currently installed in safety related systems which are the Westinghouse type listed in Reference (1). Four of these subject valves, however, are isolation valves for the Reactor Coolant System low pressure relief valves and are locked closed above 375 psig in the reactor coolant system. They would, therefore, never exceed threshold differential pressures listed for the valves.

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The remaining two valves (CH-MOV-292B and 292C) are installed in the loop 2 charging line in the Chemical and Volume Control System. These valves are normally open through all modes of plant operation. The only time closure of these valves would be required against a large differential pressure would be if the line downstream of these valves severed. The maximum differential across the gate valve which could be encountered during closure would be the difference between the charging pump shutoff head of 2685 psig and reactor coolant system pressure. This difference could exceed 2000 psid. If in this case, however, the valves did not seat fully upon closure, the charging pumps could be shutdown to stop the leakage flow and reduce the differential pressure.

Since the cause of the high differential pressure can be reduced by operator action, valve closure under all conditions can be assured. CYAPCO has, therefore, concluded that no further immediate action is necessary for these valves. Any long term corrective action recommended by Westinghouse for these valves, however, will be evaluated when available for applicability to these valves.

In assisting you in evaluating the valve/impact of this bulletin, it is estimated that approximately 30 man-hours were expended in the review and preparation of the correspondence required by this bulletin.

We trust you will find this information satisfactory to disposition the Reference (1) concerns. If you have any questions with the above material, please contact me.

Very truly yours,

CONNECTICUT YANKEE ATOMIC POWER COMPANY
NORTHEAST NUCLEAR ENERGY COMPANY

W. G. Counsil
Senior Vice President