

January 19, 1990

Docket No. 50-245

Mr. Edward J. Mroczka  
Senior Vice President  
Nuclear Engineering and Operations  
Connecticut Yankee Atomic Power Company  
Northwest Nuclear Energy Company  
P.O. Box 270  
Hartford, Connecticut 06141-0270

Dear Mr. Mroczka:

SUBJECT: ISAP TOPIC 1.48, SAFETY FACTOR FOR PENETRATION X-10A,  
MILLSTONE NUCLEAR POWER STATION, UNIT 1 (TAC NO. 49290)

As part of the review of the Millstone 1 isolation condenser for water hammer loads, it was found that the design of the isolation condenser was acceptable, except that NNECO should demonstrate that the factor of safety for containment penetration X-10A is at least four.

In a letter dated November 9, 1988, NNECO stated that it had conducted an engineering evaluation of the factor of safety for penetration X-10A and concluded that some structural modifications to the penetration anchor were necessary to ensure a factor of safety of four. In a letter dated September 9, 1989, NNECO stated that these modifications had been completed during the 1989 refueling outage. The modifications consisted of adding steel to the anchor and reinforcing some of the joints. In a letter dated January 16, 1990, NNECO stated that the documentation for the engineering analysis to support its conclusions is available for review.

The staff considers the documentation of ISAP Topic 1.48 to be completed and the implementation will be verified during a site audit.

Sincerely,

/s/

Michael L. Boyle, Project Manager  
Project Directorate I-4  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

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Northeast Nuclear Energy Company

Millstone Nuclear Power Station  
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