

April 23, 1996

Mr. Ted C. Feigenbaum  
Executive Vice President - Nuclear  
Northeast Utilities Service Company  
c/o Mr. Terry L. Harpster  
P.O. Box 128  
Waterford, CT 06385

SUBJECT: MILLSTONE 2 SERVICE WATER SELF-ASSESSMENT INSPECTION 95-29

Dear Mr. Feigenbaum:

This letter refers to the inspection conducted by Messrs. L. Prividy and B. Welling of this office during the period of September 25 through October 20, 1995, at the Millstone Nuclear Power Station, Waterford, Connecticut. Our inspection was focused upon issues important to public health and safety, specifically your Service Water System Operational Performance Inspection (SWSOPI) team's self-assessment of the Millstone 2 service water systems. The NRC's oversight included field walkdowns, discussions with team members, and attendance at team briefings. Our preliminary conclusions were discussed with members of your staff at the conclusion of your self-assessment on October 20, 1995, and at a meeting held on March 14, 1996.

We observed that objectivity and independence were maintained by your team and that the self-assessment represented a thorough assessment of design and operation. Comprehensive findings, particularly in the design area, were characteristic of the self-assessment due in part to effective interactions between team members and the line organization. System engineer ownership regarding the system design and associated problems was a noted strength. Adequate thermal and hydraulic margins for the cooling water systems were verified by detailed review of calculations and periodic system flow testing.

We have concluded that the self assessment met the objectives of NRC Temporary Instruction (TI) 2515/118, "Service Water System Operational Performance Inspection (SWSOPI)." The SWSOPI findings reflected the lack of an effective program to address the requested actions of Generic Letter (GL) 89-13, "Service Water System Problems Affecting Safety Related Equipment"; three of the letter's principal actions were incomplete. The most significant findings indicated poor control of design basis information and the failure to adequately implement commitments made to the NRC in response to GL 89-13. The lack of a single failure analysis of the reactor building closed cooling water (RBCCW) system, the temporary nature of the chlorination system, and -- most significantly -- the lack of meaningful heat exchanger performance test information to date are three of the more significant issues that warrant your attention and resolution.

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We encourage your prompt corrective actions to these findings. Consistent with the recent meeting with your staff, we request that you meet with us periodically in Region I and review the status of your corrective actions. Please contact Mr. E. Kelly at (610) 337-5111 within the next 30 days to coordinate the details of the first meeting. No reply to this letter is requested, and your cooperation with us was appreciated.

Sincerely,

(original signed by)  
William H. Ruland for

Eugene M. Kelly, Chief  
Systems Engineering Branch  
Division of Reactor Safety

Docket No. 50-336

Enclosure: Inspection Report No. 50-336/95-29 w/Attachment

cc w/encl:

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L. M. Cuoco, Esquire  
F. R. Dacimo, Vice President, Nuclear Operations  
D. B. Miller Jr., Senior Vice President, Nuclear Safety and Oversight  
W. D. Meinert, Nuclear Engineer  
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