

APR 7 1994

Docket No. 50-213

Mr. John F. Opeka  
Executive Vice President - Nuclear  
Connecticut Yankee Atomic Power Company,  
P.O. Box 270  
Hartford, Connecticut 06141-0270

Dear Mr. Opeka:

SUBJECT: NRC INSPECTION REPORT NO. 50-213/94-03

This letter transmits the report of the resident safety inspection conducted by Messrs. W. Raymond and P. Habighorst of this office during the period January 16 to February 26, 1994, at the Haddam Neck Plant, Haddam Neck, Connecticut. The report covers activities authorized by NRC License No. DPR-61. This inspection focused on issues important to public health and safety. Preliminary findings were discussed with Mr. J. LaPlatney of your staff at the conclusion of the inspection.

During this report period, we found Haddam Neck was operated in a safe manner. Plant operators performed well in response to plant transient conditions and to shut down the plant during an Unusual Event. Plant maintenance and engineering personnel also performed well to test, investigate and repair the automatic bus transfer scheme for motor control center 5.

The enclosed report describes our review of the actions to address corroded and degraded welds in the safety related service water (SW) system. CYAPCo management and engineering did not display a strong questioning attitude in the pursuit of the issue and had not aggressively addressed this problem prior to substantial involvement by the NRC staff. During the 1993 outage inspections and analyses of degraded welds identified the potential for a wide spread problem affecting SW system piping. However, the adverse conditions were not thoroughly investigated when the initial operability assessment was made, nor were they promptly investigated following the outage when plans were made to investigate the status of the SW system. The underlying assumption of presumed continued SW system operability was not conservative in the face of the substantial uncertainties regarding the status of the piping system, the mechanism causing the apparent corrosion, and the rate at which the degradation progressed. CYAPCo appears to have regained the initiative on this issue starting from about February 7. We understand that you intend to complete a third party root cause evaluation to understand how the SW corrosion issue was handled by CYAPCo engineering and management. We look forward to discussing the results of the evaluation with you. NRC reviews of this matter are continuing to determine what additional actions may be warranted.

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APR 7 1994

Mr. John F. Opeka

2

We appreciate your cooperation.

Sincerely,

**ORIGINAL SIGNED BY:**

Lawrence T. Doerflein, Chief  
Reactor Projects Section 4A  
Division of Reactor Projects

Enclosure: NRC Inspection Report No. 50-213/94-03

cc w/encl:

S. E. Scace, Vice President, Nuclcar, Operation Services  
J. P. Stetz, Vice President, Haddam Neck Station  
D. B. Miller, Sr. Vice President, Millstone Station  
J. Solymossy, Director, Nuclear Quality and Assessment Services  
J. J. LaPlatney, Unit Director  
R. M. Kacich, Director, Nuclear Planning, Licensing and Budgeting  
Gerald Garfield, Esquire  
Nicholas Reynolds, Esquire  
K. Abraham, PAO (2 copies)  
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APR 7 1994

Mr. John F. Opeka

3

bcc w/encl:

Region I Docket Room (with concurrences)

L. Doerflein, DRP

DRP Division Files

bcc w/encl (VIA E-MAIL):

J. Stolz, NRR/PD I-4

V. McCree, OEDO

A. Wang, PM, NRR

RI:DRP

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*for* Raymond/meo

4/7/94

RI:DRP

*STW*

Doerflein

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