

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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December 4, 1989

Docket No. 50-213
B13388

Re: ISAP Topic 2.17

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

Gentlemen:

Haddam Neck Plant
Fuel Mechanical Design Report
Zircaloy Cladding Conversion (TAC No. 66958)

In a meeting with the NRC Staff on August 10, 1989, Connecticut Yankee Atomic Power Company (CYAPCO) discussed a revised scope and schedule to support conversion of the Haddam Neck Plant to zircaloy cladding for Cycle 17 operation. The milestone schedule for supporting the conversion is as follows:

- o WCOBRA/TRAC Analysis Began August 1989
- o Fuel Mechanical Design Report submitted to NRC December 1989
- o Appendix K Exemption Request February 1990
- o WCOBRA/TRAC Analysis and Cycle 17 License Amendment Request submitted to NRC June 1990
- o Cycle 17 Startup February 1991

In accordance with the above outlined schedule, CYAPCO is hereby submitting the attached "Fuel Mechanical Design Report" for review by the NRC Staff. This report is being submitted later than originally anticipated due to the resources that have been diverted to the fuel reconstitution efforts during the current refueling outage.

This report and the fuel mechanical results reported therein, will be validated on a cycle-by-cycle basis and will be the basis for the evaluation of future design changes. This document will be referenced in future reload licensing submittals, such as the Technical Report Supporting Cycle Operation.

CYAPCO respectfully requests that the NRC Staff review the attached report and respond back with any comments by March 1, 1990.

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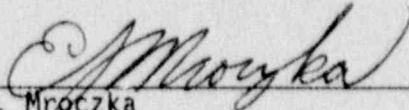
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If you have any questions, please contact us.

Very truly yours,

CONNECTICUT YANKEE ATOMIC POWER COMPANY



E. J. Mroczka
Senior Vice President

Attachment

cc: W. T. Russell, Region I Administrator
A. B. Wang, NRC Project Manager, Haddam Neck Plant
J. T. Shedlosky, Senior Resident Inspector, Haddam Neck Plant