



CONNECTICUT YANKEE ATOMIC POWER COMPANY

HADDAM NECK PLANT

362 INJUN HOLLOW ROAD • EAST HAMPTON, CT 06424-3099

December 17, 1996

Docket No. 50-213

B16018

Re: NRC Bulletin 96-01

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

Haddam Neck Plant
Closure of Commitments For Bulletin 96-01

The purpose of this letter is for Connecticut Yankee Atomic Power Company (CYAPCO) to complete its response for the Haddam Neck Plant (HNP) to Nuclear Regulatory Commission (NRC) Bulletin 96-01, "Control Rod Insertion Problems," dated March 8, 1996.⁽¹⁾ CYAPCO responded to NRC Bulletin 96-01 in a letter dated April 8, 1996⁽²⁾ and provided the required information with commitments to complete the requested actions.

In a letter dated October 4, 1996,⁽³⁾ following an unscheduled shutdown and early entry into the refueling outage, the HNP identified three commitments pertaining to end-of-cycle control rod testing which could not be performed due to plant conditions. These commitments were B15629-3, B15629-5 and B15629-6 and were considered closed with the transmittal letter. The October 4, 1996 letter restated CYAPCO's plans to perform control rod drag measurements and submit the associated report, since the HNP was scheduled to restart following the refueling outage.

- (1) U.S. Nuclear Regulatory Commission to Addressees, "NRC Bulletin 96-01: Control Rod Insertion Problems", dated March 8, 1996.
- (2) F. R. Dacimo to U.S. Nuclear Regulatory Commission, "Response to Bulletin 96-01", dated April 8, 1996.
- (3) T. C. Feigenbaum to U.S. Nuclear Regulatory Commission, "Modification of Commitments, Response to Bulletin 96-01," dated October 4, 1996.

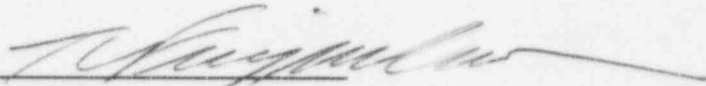
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On December 5, 1996, CYAPCO submitted a letter⁽⁴⁾ which certified that it has determined to permanently cease power operations at the HNP and that the fuel has been permanently removed from the reactor. As a result of this certification and the unique core design for the HNP, the remaining commitments to meet the recommended actions of NRC Bulletin 96-01 will not be completed. The unique core design considerations include the fact that only one fuel assembly in Cycle 19 was a Westinghouse V5H fuel assembly that contained a control rod. The final burnup of this fuel assembly was ~16,000 MWD/MTU, which is clearly below the burnup threshold that was observed for partial control rod insertion. All other control rods were located in a fuel assembly design that included stainless steel guide tubes and are therefore not susceptible to the partial insertion problem.

If you should have any questions on the information contained herein, please contact Mr. G. P. van Noordennen at (860) 267-3938.

Very truly yours,

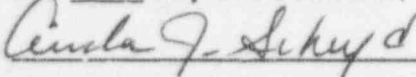
CONNECTICUT YANKEE ATOMIC POWER COMPANY


T. C. Feigenbaum
Executive Vice President and
Chief Nuclear Officer

cc: H. J. Miller, Region I Administrator
S. Dembek, NRC Project Manager, Haddam Neck Plant
W. J. Raymond, Senior Resident Inspector, Haddam Neck Plant

Subscribed and sworn to before me

this 17th day of December, 1996



Date Commission Expires: 12/31/99

(4) T. C. Feigenbaum to U.S. Nuclear Regulatory Commission, "Certification of Permanent Cessation of Power Operation and That Fuel Has Been Permanently Removed From the Reactor," dated December 5, 1996.