



June 23, 1994

Docket No. 50-213  
B14870

Re: 10 CFR 2.790

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

Haddam Neck Plant  
Transmittal of the Mechanical Design Description

The purpose of this letter is to transmit to the NRC Staff a proprietary and non-proprietary version of the Mechanical Design Description of the Westinghouse fuel design that will be used for the Haddam Neck Plant beginning with Cycle 19.

Connecticut Yankee Atomic Power Company (CYAPCO), via letters dated January 6, 1994,<sup>(1)</sup> and May 17, 1994,<sup>(2)</sup> proposed to modify the Haddam Neck Plant's Technical Specifications in order to support Cycle 19 operation. To assist the NRC Staff in the review of these proposed license amendments, CYAPCO has submitted letters which provided information on the VIPRE/WRB-1 departure from nucleate boiling ratio (DNBR) thermal limits for Westinghouse fuel,<sup>(3)</sup> on the methodology for the determination of the design DNBR limits,<sup>(4)</sup> and on the physics methodology for the

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- (1) J. F. Opeka letter to the U.S. Nuclear Regulatory Commission, "Proposed Revision to Technical Specifications, Spent Fuel Pool and New Fuel Storage Modifications," dated January 6, 1994.
  - (2) J. F. Opeka letter to the U.S. Nuclear Regulatory Commission, "Cycle 19 Operation," dated May 17, 1994.
  - (3) J. F. Opeka letter to the U.S. Nuclear Regulatory Commission, "Transmittal of Topical Report, VIPRE/WRB-1 DNBR Thermal Limit for Westinghouse Fuel Types," dated November 29, 1994.
  - (4) J. F. Opeka letter to the U.S. Nuclear Regulatory Commission, "Determination of the Design DNBR Limits," dated June 1, 1994.

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reload design.<sup>(5)</sup> These referenced letters, along with the information transmitted via this letter, the information which will be transmitted via the technical report supporting Cycle 19 operation and the proposed license amendment on shutdown margin will provide the information required to support the conclusion that Cycle 19 operation may proceed.

Enclosed as Attachment 1 is a proprietary version of Haddam Neck Plant Mechanical Design Description, along with the Westinghouse authorization letter, CAW-94-648, and accompanying affidavit, proprietary information notice, and copyright notice.

The information in Attachment 1 contains information proprietary to Westinghouse Electric Corporation. Pursuant to 10 CFR 2.790(b), Westinghouse has prepared an affidavit which sets forth the basis on which the information may be withheld from public disclosure by the Commission and addresses with specificity the considerations listed in paragraph (b) (4) of Section 2.790 of the Commission's regulations.

Accordingly, CYAPCO respectfully requests that the information which is proprietary to Westinghouse be withheld from public disclosure.

Attachment 2 presents a non-proprietary version of the Mechanical Design Description for the Haddam Neck Plant. Attachment 2 does not require withholding from the public.

Questions and/or correspondence with respect to the copyright or proprietary aspects of the Westinghouse report or the supporting Westinghouse affidavit should reference CAW-94-648 and be addressed to N. J. Liparulo, Manager of Nuclear Safety Regulatory and Licensing Activities, Westinghouse Electric Corporation, P.O. Box 355, Pittsburgh, Pennsylvania 15230-0355.

Please contact Mr. E. P. Perkins, Jr. at (203) 665-3110 if you should otherwise have any questions.

Very truly yours,

CONNECTICUT YANKEE ATOMIC POWER COMPANY

  
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J. F. Opeka  
Executive Vice President

cc: See Page 3

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(5) J. F. Opeka letter to the U.S. Nuclear Regulatory Commission, "Physics Methodology for PWR Reload Design," dated January 3, 1994.

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

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Attachment 1

Haddam Neck Plant

Westinghouse Authorization Letter,  
Proprietary Information Notice,  
Copyright Notice, Affidavit and  
Mechanical Design Description  
(Proprietary Version)

June 1994