



Northeast  
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June 1, 1994

Docket No. 50-213  
B14842

RE: Cycle 19 Reload  
2.790

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

Haddam Neck Plant  
Determination of the Design DNBR Limits

The purpose of this letter is to respond to the NRC Staff's verbal request for information on the methodology used for the determination of the design Departure from Nucleate Boiling Ratio (DNBR) limits for the Haddam Neck Plant.

Connecticut Yankee Atomic Power Company's (CYAPCO's) letter of May 17, 1994<sup>(1)</sup> proposed to modify the Bases section of Technical Specification 2.1.1, "Safety Limits - Reactor Core," to reflect the use of the new Westinghouse fuel, the WRB-1 departure from nucleate boiling correlation and a new thermal design procedure. During discussions with the NRC Staff, CYAPCO committed to provide details regarding the statistical combination of uncertainties, and the DNBR penalties associated with rod bow and transition core effect.

Enclosed as Attachment 1 is a proprietary version of the methodology for the determination of the DNBR limits for the Haddam Neck Plant along with the Westinghouse authorization letter, CAW-94-627, and accompanying affidavit, proprietary information notice, and copyright notice.

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

(1) J. F. Opeka letter to the U.S. Nuclear Regulatory Commission, "Cycle 19 Operation," dated May 17, 1994.

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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 methodology for the determination of the design DNBR limits 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-94-627 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

FOR: J. F. Opeka  
Executive Vice President

BY:   
E. A. DeBarba  
Vice President

Attachment

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

Westinghouse Authorization Letter,  
Affidavit, Proprietary Information Notice,  
and Copyright Notice and  
Determination of the Design DNBR Limits for Haddam Neck Plant

June 1994