

March 3, 1988

Docket No. 50-213

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Docket File

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Mr. Edward J. Mroccka
Senior Vice President
Connecticut Yankee Atomic Power Company
P. O. Box 270
Hartford, Connecticut 06141-0270

Dear Mr. Mroccka:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION REGARDING EXEMPTION FROM
10 CFR 50.62 (ATWS RULE) FOR THE HADDAM NECK PLANT (TAC NO. 62290)

In your letter dated August 19, 1986, the Connecticut Yankee Atomic Power Company (CYAPCO) requested a permanent exemption from the requirements of 10 CFR 50.62(c), the ATWS Rule. In that submittal CYAPCO stated several actions, including increased pressure relief capability, refueling with fuel with a more negative moderator temperature coefficient, and providing assurance that the auxiliary feedwater initiation circuit is diverse and independent of the reactor protection system, were taken to substantially mitigate the consequences of limiting postulated ATWS events at the Haddam Neck plant.

To complete our review the NRC needs to know how CYAPCO will maintain the plant for its remaining lifetime within the conditions assumed for the ATWS analyses. In particular, CYAPCO should describe how they will control fuel reloads to maintain the assumed range of moderator temperature coefficient, control the average coolant temperature and maintain the PORVs and diverse circuit for auxiliary feedwater pump actuation. Additionally, the NRC needs a commitment from CYAPCO to maintain the moderator temperature coefficient at full power with equilibrium Xenon, at no less than $-7. \times 10^{-5}$ delta k/k/°F for every fuel cycle.

The reporting and/or recordkeeping requirements contained in this letter affect fewer than ten respondents; therefore, OMB clearance is not required under P.L. 96-511.

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P PDR

Mr. Edward J. Mroczka

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With the additional information requested and the commitment to limit the moderator temperature coefficient, the NRC will be able to resolve the ATWS exemption for the Haddam Neck Plant. If you have any questions or comments, please call me at (301) 492-1313.

Sincerely,

original signed by

Alan B. Wang, Project Manager
Project Directorate I-4
Division of Reactor Projects I/II
Office of Nuclear Reactor Regulation

cc: See next page

LA:PDI-4
SNorris
02/2/88

PM:PDI-4
AWang:bd
02/2/88

D:PDI-4
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02/3/88

Mr. Edward J. Mroczka
Connecticut Yankee Atomic Power Company

Haddam Neck Plant

cc:

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