February 5, 1991

Docket No. 50-213

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Mr. Edward J. Mroczka
Senior Vice President
Nuclear Engineering and Operations
Connecticut Yankee Atomic Power Company
Northeast Nuclear Energy Company
P. O. Box 270
Hartford, Connecticut 06141-0270

Dear Mr. Mroczka:

SUBJECT: HADDAM NECK PLANT - STATION BLACKOUT RULE, REQUEST FOR ADDITIONAL INFORMATION (TAC NO. 68551)

The NRC has reviewed Connecticut Yankee Atomic Power Company's (CYAPCO/licensee) responses to our request for additional information dated March 30, 1990. Based on our review of your responses, the staff has determined that additional information is necessary to complete our review. Enclosed are additional questions regarding your submittals. The NRC proposes to discuss these questions with your staff in a conference call within 30 days with a written response to follow at a date to be determined.

The reporting and/or recordkeeping requirements contained in this letter affect fewer than 10 respondents; therefore, OMB clearance is not required under P.L. 96-511.

Sincerely,

/S/

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

Enclosure:
As stated

cc w/enclosure:
See next page

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OFC	:PDI-4:LA	:PDI-4:PM	:PDI-4:D	:	:
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2/05/91

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ENCLOSURE

QUESTIONS ON HADDAM NECK SBO SUBMITTAL*
WITH EMPHASIS ON THE FOLLOWING ITEMS

1. Justify the use of ESW "1" instead of ESW "5" from NUMARC 87-00 Table 3-2. Assuming the ESW "1" characterization is based on site weather data, the justification should include a description of the data collected, the period of data collection (years), any significant lapses of data gathering, and the results of the evaluation of the data.

2. Describe the steps necessary to utilize water from the primary water storage tank for decay heat removal. Must the water be pumped to the demineralized water storage tank using the primary water transfer pump or other pump? If so, identify the power source for the pump.

3. Verify that the utilization of the fire pump as a condensate source is feasible considering the pump's NPSH under all conditions, and the degree of fouling possible with debris in the river water.

4. Discuss the amount of the intended RCS cooldown and provide the assessment that calculates the amount of condensate needed for the cooldown.

5. Describe the expected method of steam removal from the secondary side. If the atmospheric steam dump valves are to be utilized, are they power (air) operated, or manually manipulated? If the valves are manually operated, has the habitability and communications facilities of the area of the valves been evaluated and determined to be adequate?

6. Discuss the effect of a loss of ventilation for four hours in the room(s) that contain the battery and inverters.

7. Provide a list of containment isolation valves of concern, the specific actions required for each valve to ensure containment isolation during an SBO, and the procedures which contain the requirements to perform these actions. The valves of concern are those that cannot be excluded using the criteria given RG 1.155 or NUMARC 87-00.

December 27, 1990

*And Supporting Documents