



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

CONNECTICUT YANKEE ATOMIC POWER COMPANY

DOCKET NO. 50-213

HADDAM NECK PLANT

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 172
License No. DPR-61

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Connecticut Yankee Atomic Power Company (the licensee), dated February 25, 1994, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

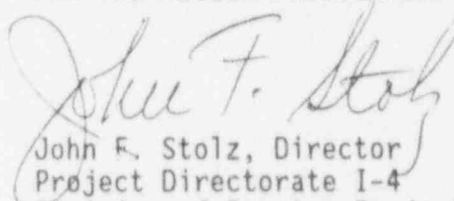
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. DPR-61 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No.172 , are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of issuance, to be implemented within 30 days of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



John F. Stolz, Director
Project Directorate I-4
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: May 31, 1994

ATTACHMENT TO LICENSE AMENDMENT NO. 172

FACILITY OPERATING LICENSE NO. DPR-61

DOCKET NO. 50-213

Replace the following pages of the Appendix A Technical Specifications with the enclosed pages. The revised pages are identified by amendment number and contain vertical lines indicating the areas of change.

Remove

X
XIV
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B3/4 7-6
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Insert

X
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3/4.7.12 ULTIMATE HEAT SINK

LIMITING CONDITION FOR OPERATION

3.7.12 The ultimate heat sink shall be OPERABLE with an average circulating water inlet temperature of less than or equal to 90°F.

APPLICABILITY: MODES 1, 2, 3, and 4.

ACTION:

With the requirements of the above specification not satisfied, be in at least HOT STANDBY within 6 hours and in COLD SHUTDOWN within the following 30 hours.

SURVEILLANCE REQUIREMENTS

4.7.12 The ultimate heat sink shall be determined OPERABLE:

- a. At least once per 24 hours by verifying the average circulating water inlet temperature to be within limits.

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3/4.7.9 FEEDWATER ISOLATION VALVES

The accident analysis for a main steam line break assumes that the main feedwater isolation valves will close on a containment isolation actuation signal (CIAS). Also, the closure of these valves based on a CIAS is credited in determining the Pressure/Temperature limits for the purpose of environmental qualification. The feedwater isolation valves act as a backup to the feedwater regulation valves in the event a feedwater regulation valve fails open during a Main Steam Line Break.

3/4.7.10 EXTERNAL FLOOD PROTECTION

The thresholds regarding flood protection ensure that facility protective actions will be taken (and the orderly shutdown of the plant to MODE 3 will be made) in the event of flood conditions. The estimated Connecticut River probable maximum flood (PMF) level, including wave effects (i.e., still water level), is 39.5 feet mean sea level. Normal flood control measures provide protection to safety-related equipment to El. 30 feet mean sea level. Normal flood protection to this elevation is based on a low probability of exceedance and structural capacity limitations. Based on the one to two day rise period of the PMF, alternative means of providing decay heat removal for flooding events up to the PMF is provided in AOP 3.2-24.

3/4.7.11 PRIMARY AUXILIARY BUILDING AIR CLEANUP SYSTEM

PAB Air Cleanup System consists of two exhaust fans, two prefilters, a HEPA-HECA filter assembly, and interconnecting ductwork.

Air cleanup is accomplished using one exhaust fan, one prefilter, the HEPA-HECA filter, and interconnected ductwork.

The radiological consequences analyses for loss-of-coolant accidents assume Primary Auxiliary Building efficiencies which are ensured by this Technical Specification. Also, in consideration of a fuel handling accident inside containment, (i.e., when the containment is being purged) the purge discharge would be directed through the Primary Auxiliary Building charcoal filters. Credit is again taken for these filters in reducing the radiological consequences.

3/4.7.12 ULTIMATE HEAT SINK

The limitation on the ultimate heat sink temperature during MODES 1, 2, 3, and 4 is to ensure that sufficient cooling is available to support all required design safety related functional requirements. The technical specification is based on not exceeding the temperature limit at any time the plant is in the applicable operating mode (not just during the required 24-hour surveillance).

The temperature in the Ultimate Heat Sink is monitored by temperature elements, one in the inlets to each of the condenser boxes. The data from the temperature elements is fed to the plant computer which continuously averages

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3/4.7.12 ULTIMATE HEAT SINK (Continued)

the values to produce one temperature which is displayed on the plant computer. The condenser inlet water temperature elements provide a representative temperature of the water in the Ultimate Heat Sink due to the mixing of water as it enters the intake structure and the arrangement of the pumps.

The plant computer provides continuous temperature monitoring of the Ultimate Heat Sink. The plant computer will alarm should the temperature exceed 90°F. If the plant computer should be out of service, plant procedures require that the temperature of the Ultimate Heat Sink be obtained hourly by locally monitoring the temperature of the condenser water boxes.