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SORENSEN, G. C. Washington Public Power Supply System
RECIP. NAME RECIPIENT AFFILIATION
ADENSAM, E. G. BWR Project Directorate 3

SUBJECT: Application for amend to License NPF-21, changing Tech Specs to add auxiliary steam & fuel pool cooling sys valves to update Table 3.8.4.3-1 re motor operated valves thermal overload protection. Fee paid.

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Washington Public Power Supply System
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January 17, 1986
G02-86-081

Docket No. 50-397

Director of Nuclear Reactor Regulation
Attention: Ms. E. G. Adensam, Project Director
BWR Project Directorate No. 3
Division of BWR Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Ms. Adensam:

Subject: NUCLEAR PLANT NO. 2
OPERATING LICENSE NPF-21, REQUEST FOR
AMENDMENT TO TECHNICAL SPECIFICATIONS

Reference: Letter, G02-79-212, D. L. Renberger (SS) to
R. H. Engelken (NRC), "Reportable Deficiency
10CFR50.55(e)", dated November 30, 1979

In accordance with the Code of Federal Regulations, Title 10, Parts 50.90 and 2.101, the Supply System hereby requests an amendment to the WNP-2 Technical Specifications. Specifically, the following changes are being requested:

1) Modify Table 3.8.4.3-1, Motor Operated Valves Thermal Overload Protection.

2) Add various Auxiliary Steam (AS) and Fuel Pool Cooling (FPC) System valves to Table 3.8.4.3-1.

Change No. 1 - (Pages 3/4 8-26, 8-27, and 8-28)

This change is being requested in order to update and correct Table 3.8.4.3-1, Motor Operated Valves Thermal Overload Protection. The table presently contains valves which are not safety-related and, therefore, not required to be contained in such a list according to the requirements of RG 1.106. This change also adds some valves which were inadvertently omitted from the list initially. The omission of these valves from the Technical Specifications does not impact the LCO since the Surveillance Requirements specify performance of a Channel Calibration of a representative sample of at least 25% of all thermal overloads listed, which has been accomplished. The "A" valve for each of the two omitted valves are listed with the "B" valves being the valve omitted from the list. Both "B" valves are in our plant procedures implementing the overload protection device testing.

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Based on the discussion provided above and the fact that this proposed change can be categorized as an example in paragraph (i) of 48 FR 14870, (i.e., a purely administrative change to achieve consistency throughout the Technical Specifications) this change involves no significant hazards.

Change No. 2

This change is being requested in order to add Valves AS-V-68A and AS-V-68B to Table 3.8.4.3-1 due to Equipment Qualification concerns. This isolation valve installation was made to reduce the possibility of Reactor Building area temperature from exceeding Equipment Qualification temperature limits.

The auxiliary steam line leak detection system consists of redundant temperature sensors, temperature switches, and isolation valves AS-V-68A and 68B. When any one of the temperature elements detects abnormally high temperatures, the logic circuit actuates the closure of auxiliary steam line isolation valves AS-V-68A and 68B and provides an audible alarm in the main Control Room.

The Fuel Pool Cooling valves are being added as a result of the system upgrade to safety-related as required by commitments made regarding 10CFR50.55(e) Reportable Deficiency - Condition No. 44(1). Valve FPC-V-149 was upgraded from a manual isolation valve to an auto-closing motor operated valve to allow use of the suppression pool cleanup mode of the FPC system during normal plant operation. Valves FPC-V-172, -173 and -184 provide auto-isolation (closing) between the Seismic Category I portion of the FPC system and its Seismic Category II filter-demineralizers. Valves FPC-V-181A and 181B provide suction isolation for the FPC system's main circulation pumps. Valve FPC-V-175 provides a Class 1 auto-bypass to the FPC system's flow control valve FPC-FCV-1. The control system (overloads) for these valves is designed in accordance with criteria for motor operated safety-related valves.

Based on the discussion provided above and the fact that this proposed change can be categorized as an example in paragraph (ii) of 48 FR 14870, (i.e., a change that constitutes an additional limitation, restriction, or control not presently included in the technical specifications), this change involves no significant hazards.

The Supply System has reviewed this change per 10 CFR 50.92 and determined that it does not:

1) Involve a significant increase in the probability or consequences of an accident previously evaluated because the proposed amendment does not deviate from the existing overload design criteria. AS-V-68A and 68B are being added to prevent the possibility of Reactor Building area temperature from exceeding Equipment Qualification temperatures.

2) Create the possibility of a new or different kind of accident than previously evaluated because the overload design criteria has not been changed. Regarding valves AS-V-68A and 68B, the valves were added to mitigate the consequence of postulated Auxiliary Steam line breaks in the Reactor Building.

3) Involve a significant reduction in a margin of safety because no previously approved design criteria has been changed. Regarding valves AS-V-68A and 68B, the valve overload issue has been addressed and Table 3.8.4.3-1 has been revised to reflect the additions.

The Supply System has evaluated this request in accordance with the criteria contained in 10 CFR 170.21 and has included a warrant for One hundred fifty dollars ($150.00) as initial payment for this application for amendment under Facility Category A (Power Reactors).

In accordance with 10 CFR 50.91, the State of Washington has been provided a copy of this letter.

This Technical Specification change has been reviewed and approved by the WNP-2 Plant Operations Committee and the Supply System Corporate Nuclear Safety Review Board. Should you have any questions, please contact Mr. P. L. Powell, Manager, WNP-2 Licensing.

Very truly yours,

GC Sorensen

G. C. Sorensen, Manager
Regulatory Programs

HLA/tmh
Attachments

cc: RC Barr - BPA
JO Bradfute - NRC
C Eschels - EFSEC
JB Martin - NRC RV
E Revell - BPA
NS Reynolds - BLCP&R
AD Toth - NRC Site

STATE OF WASHINGTON)
)
County of Benton)

Subject: OPERATING LICENSE NPF-21, REQUEST FOR AMENDMENT TO TECHNICAL SPECIFICATIONS

I, G. C. SORENSEN, being duly sworn, subscribe to and say that I am the Manager, Regulatory Programs for the WASHINGTON PUBLIC POWER SUPPLY SYSTEM, the applicant herein; that I have full authority to execute this oath; that I have reviewed the foregoing; and that to the best of my knowledge, information and belief the statements made in it are true.

DATE 17 JAN, 1986

G. C. Sorensen, Manager
Regulatory Programs

On this day personally appeared before me G. C. Sorensen to me known to be the individual who executed the foregoing instrument and acknowledge that he signed the same as his free act and deed for the uses and purposes therein mentioned.

GIVEN under my hand and seal this 17th day of January, 1986.

Notary Public in and for the
State of Washington

Residing at Richland