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 AUTH. NAME      AUTHOR AFFILIATION  
 SORESENSEN, G.C.      Washington Public Power Supply System  
 RECIP. NAME      RECIPIENT AFFILIATION  
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SUBJECT: Application for amend to License NPF-21, reviseing Tech Spec figure 3.4.6.1.

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

P.O. Box 968 • 3000 George Washington Way • Richland, Washington 99352

April 5, 1990  
G02-90-071

Docket No. 50-397

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D.C. 20555

Gentlemen:

Subject: NUCLEAR PLANT NO. 2, OPERATING LICENSE NPF-21  
REQUEST FOR AMENDMENT TO TECHNICAL SPECIFICATION  
PRESSURE/TEMPERATURE LIMITS - SECTION 3.4.6.1,  
SUPPLEMENTAL INFORMATION

- References: 1) Letter, G02-89-201, GC Sorensen (SS) to NRC,  
same subject, dated October 27, 1989
- 2) Generic Letter 88-11, "NRC Position on Radiation  
Embrittlement of Reactor Vessel Materials and its  
Impact on Plant Operations", dated July 12, 1988

Reference 1 submitted the subject technical specification in response to the reference 2 generic letter. In subsequent conversations between Messrs R. Samworth and J. Tsao (NRC) and P. Powell, D. Bosi and T. Erwin (Supply System) it was recognized that the reactor pressure vessel temperature limit curves provided by Reference 1 as Figure 3.4.6.1 did not encompass the conservatism contemplated by the Staff. Accordingly, the attached pressure/temperature limits curve is submitted as replacement to that provided in Reference 1.

The Supply System's initial submittal of the reactor pressure vessel temperature limit curves was completed in strict compliance with Appendix G of the ASME Code, NUREG 0800, Regulatory Guide 1.99 Rev. 2, and WRC Bulletin 175. The attached revised curves incorporate further conservatism involving through-wall temperature corrections as suggested by the Staff. The normal startup/shutdown fluid temperatures conservatively follow the steam saturation line controlled by the turbine bypass valves above 130 psig. In sum, a high level of conservatism is imposed at WNP-2 when both operational guidelines and the technical specification limits, as specified by the revised pressure/temperature limit curves, are considered.

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REQUEST FOR AMEND TO TS PRESSURE/TEMPERATURE  
LIMITS - SECTION 3.4.6.1, SUPPLEMENTAL INFORMATION

The Supply System has reviewed the No Significant Hazards and Environmental Assessment Exclusion discussions provided in reference 1 and concluded that these discussions bound the conservative changes represented in the attached curve.

This supplemental information has been reviewed and approved by the WNP-2 Plant Operations Committee (POC) and the Supply System Corporate Nuclear Safety Review Board (CNSRB). In accordance with 10CFR 50.91, the State of Washington has been provided a copy of this letter.

As stated in Reference 1 the generic letter requires implementation within two plant outages of the effective date of Revision 2 to Regulatory Guide 1.99 (May 1988). Accordingly, for WNP-2 this change should be effective no later than commencement of initial heat up at the end of the WNP-2 1990 refueling outage tentatively scheduled for May 31, 1990.

Very truly yours,

*Alan Sorensen*

G. C. Sorensen, Manager  
Regulatory Programs

PLP/bk  
Attachments

cc: JB Martin - NRC RV  
NS Reynolds - BCP&R  
RB Samworth - NRC  
DL Williams - BPA/399  
NRC Site Inspector - 901A

STATE OF WASHINGTON )  
 )  
COUNTY OF BENTON )

Request for Amend. to TS Pressure/  
Subject: Temperature Limits - Sec. 3.4.6.1

I, A. G. HOSLER, being duly sworn, subscribe to and say that I am the Manager, WNP-2 Licensing, 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 April 5, 1990

A. G. Hosler  
A. G. HOSLER, Manager  
WNP-2 Licensing

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

GIVEN under my hand and seal this 5th day of April, 1990.

Bernice Kaska  
Notary Public in and for the  
State of Washington

Residing at Kennecook, WA

