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SUBJECT: Suppl to 910228 application for amend to License NPF-21,  
 revising Tech Spec safety limits for thermal power,high  
 pressure & high flow.

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March 21, 1991  
G02-91-054

Docket No. 50-397

U. S Nuclear Regulatory Commission  
Attn: Document Control Desk  
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Gentlemen:

Subject: NUCLEAR PLANT NO. 2, OPERATING LICENSE NPF-21  
REQUEST FOR AMENDMENT TO TECHNICAL SPECIFICATIONS SAFETY LIMIT;  
THERMAL POWER, HIGH PRESSURE AND HIGH FLOW - REVISION

Reference: G02-91-040, February 28, 1991, GC Sorensen to NRC, "Request for  
Amendment to Technical Specifications Safety Limit; Thermal Power,  
High Pressure and High Flow"

The following corrections to the Supply System reference application for change in the WNP-2 safety limit, thermal power, high pressure and high flow are necessary. These corrections are marked on the attached technical specification change paper.

In several instances, both in the cover letter and in the proposed technical specifications, the document ANF-524(P)(A), Revision 2 and Supplements, is addressed as XN-NF-524(P)(A), Revision 2 and Supplements. In accordance with ANF Quality Assurance Procedures, either prefix can be used to identify the documents. This document series has undergone a document number change from XN-NF-524(P)(A) to ANF-524(P)(A) during its evolution, and some references to this document in various technical discussions have not noted this change. For the purpose of the WNP-2 technical specifications, the best reference is ANF-524(P)(A), Revision 2 and Supplements.

Bases Table B2.1.2-1, Uncertainties Considered in the MCPR Safety Limit, should not include a reference to the ANFB Critical Power Correlation standard deviation. The ANFB critical power correlation database mean is more than offset by conservatism in the ANFB correlation additive constants standard deviation included in the Supply System application for change to this safety limit. The SER on the topical report ANF-524(P)(A), Revision 2 and Supplements accepts the conclusion that the CPR correlation uncertainty is always bounded by the CPR uncertainty introduced by the additive constants.

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REQUEST FOR AMENDMENT TO TECHNICAL SPECIFICATIONS SAFETY LIMIT;  
THERMAL POWER, HIGH PRESSURE AND HIGH FLOW - REVISION

Bases Table B2.1.2-1, Uncertainties Considered in the MCPR Safety Limit, should use a value of 0.0409 for the standard deviation of radial assembly power rather than the value of 0.0301 previously submitted. While the value of 0.0301 is referenced for radial assembly power in ANF-524(P)(A), Revision 2, p.22, this value is based on a TIP uncertainty of 0.0231. The SER on the topical report XN-NF-80-19(P)(A), Volume 1, Supplement 3 accepts the radial assembly power uncertainty for Microburn-B with a TIP asymmetry value of 0.060, which was used in the XTGBWR methodology, rather than the TIP uncertainty of 0.0231 used in ANF-524(P)(A), Revision 2. This value of TIP uncertainty, 0.060, when analyzed by the methodology described in XN-NF-80-19(P)(A) Volume 1, Supplement 3, paragraph 5.3.6, p.156, results in a value of 0.0409 for the radial assembly power standard deviation.

The Supply System considers these changes to be administrative and do not effect the proposed MCPR Safety Limits previously submitted (Reference).

Very truly yours,



G. C. Sorensen, Manager  
Regulatory programs

WCW:bw

Attachments: Revised Marked-Up Technical Specification Pages  
B2-1, B2-2, B2-3

cc: JB Martin - NRC RV  
NS Reynolds - Winston & Strawn  
PL Eng - NRC  
DL Williams - BPA/399  
NRC Site Inspector - 901A  
RG Waldo - EFSEC

