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SUBJECT: Responds to 870212 telcon request for clarification re 870106 application for amend to License NPF-21, revising Tech Specs re standby liquid control sys. Info re acceptance testi ng for min flow rate provided.

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March 3, 1987
G02-87-073

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, CLARIFICATION REGARDING REQUEST FOR AMENDMENT TO TECHNICAL SPECIFICATION 3/4.1.5, FIGURE 3.1.5-1 AND 3.1.5-2, STANDBY LIQUID CONTROL (SLC) SYSTEM

Reference: Letter, G02-87-002, G. C. Sorensen (SS) to E. G. Adensam (NRC); Same Subject, dated January 6, 1987

The following information is provided as requested in a phone conversation between Messrs. J. Bradfute and T. Collins of your staff and Messrs. P. Powell and D. Whitcomb (Supply System) on February 12, 1987 to clarify the referenced request for amendment to Technical Specification 3/4.1.5. Requested clarification concerned: 1) the acceptance testing that would be performed to confirm that two pump operation would provide the required minimum flow rate; and 2) the surveillance that will be periodically performed to assure that the minimum flow rate will be maintained.

Following the modification necessary to permit two pump operation, acceptance testing will be performed to demonstrate the capability of the SLC system to meet a flow rate not less than 82.4 gpm. This flow rate is the sum of the minimum allowable pumping rates for both SLC pumps, and is the basis for establishing the minimum sodium pentaborate decahydrate concentration requested in the amendment. The test will be conducted using demineralized water supplied from the SLC test tank (SLC-TK-2) and injected into the vessel during shutdown, at depressurized conditions. The flow rate will be determined by noting the volume change in the test tank and monitoring the flow rate to the vessel via SLC flow monitor (SLC-FI-1). The test tank capacity will provide between three and four minutes of pump operation. This duration is sufficient to establish the steady-state pumping rate and data necessary to confirm two pump operation at anticipated operating conditions.

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Periodic surveillance to assure system functional capability will be conducted in accordance with the requirements of Technical Specification 4.1.5.c and d. These include quarterly single pump flow rate testing and 18 month single loop system functional testing. This testing is considered sufficient to assure continued SLC system capability.

If you have any further questions, please contact Mr. P. L. Powell, Manager, WNP-2 Licensing.

Very truly yours,

G. C. Sorensen, Manager
Regulatory Programs

DLW/tmh

cc: JO Bradfute - NRC
C Eschels - EFSEC
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CE Revell - BPA
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