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SUBJECT: Advises that mods to recirculation pump trip sys
 implemented during 1990 spring refueling outage.

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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

June 22, 1990
G02-90-110

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
ANTICIPATED TRANSIENTS WITHOUT SCRAM (ATWS) -
DESIGN MODIFICATIONS (TAC No. 59158)

- Reference:
- 1) Letter, G02-89-110, GC Sorensen (SS) to NRC,
"Anticipated Transient Without Scram Implementation
Schedule", dated June 16, 1989
 - 2) Letter, G02-89-055, GC Sorensen (SS) to NRC,
"Provisions for ATWS Recirculating Pump Trip,"
dated April 5, 1989
 - 3) Letter, G02-89-231, GC Sorensen (SS) to NRC,
"ATWS Resolution Schedule", dated December 28, 1989
 - 4) Letter, G02-90-087, GC Sorensen (SS) to NRC,
"Response to Generic Letter 89-21 Requesting Plant
Status on Implementation of Unresolved Safety Issues
Related to ATWS", dated May 1, 1990
 - 5) Letter, RB Samworth (NRC) to GC Sorensen (SS), "ATWS Rule
10 CFR 50.62 Relating to ARI and RPT Systems", dated
December 6, 1988

In Reference 1 the Supply System committed to make changes to the WNP-2 ATWS Recirculation Pump Trip (RPT) system as described in Reference 2. This letter is to inform the NRC that these modifications were implemented during our 1990 spring refueling outage. Specifically:

- We now have the ability to test the logic and controls of the ATWS-RPT system up to, but not including, the final actuation device (i.e., not including the breaker trip coils) while at power.

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ANTICIPATED TRANSIENTS WITHOUT SCRAM (ATWS)
DESIGN MODIFICATIONS

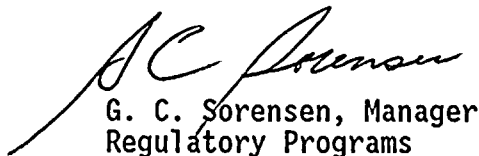
- The ATWS-RPT system has been modified to provide the RPT pump trip logic shown in the attachment to this letter. Changes from that proposed in Reference 2 are noted. These changes have no impact on the resolution of the concern raised by the NRC in Reference 5.

In Reference 4 we stated that no technical specification changes were required as a result of these changes.

Remaining ATWS items to be resolved for WNP-2 are:

- A June 29, 1990 submittal to the NRC that addresses the environmental qualification of ATWS equipment as committed to in Reference 3.
- Updating of FSAR Section 15.8 to include a new ATWS analysis. This will be included in the fall 1990 amendment to the FSAR.

Very truly yours,



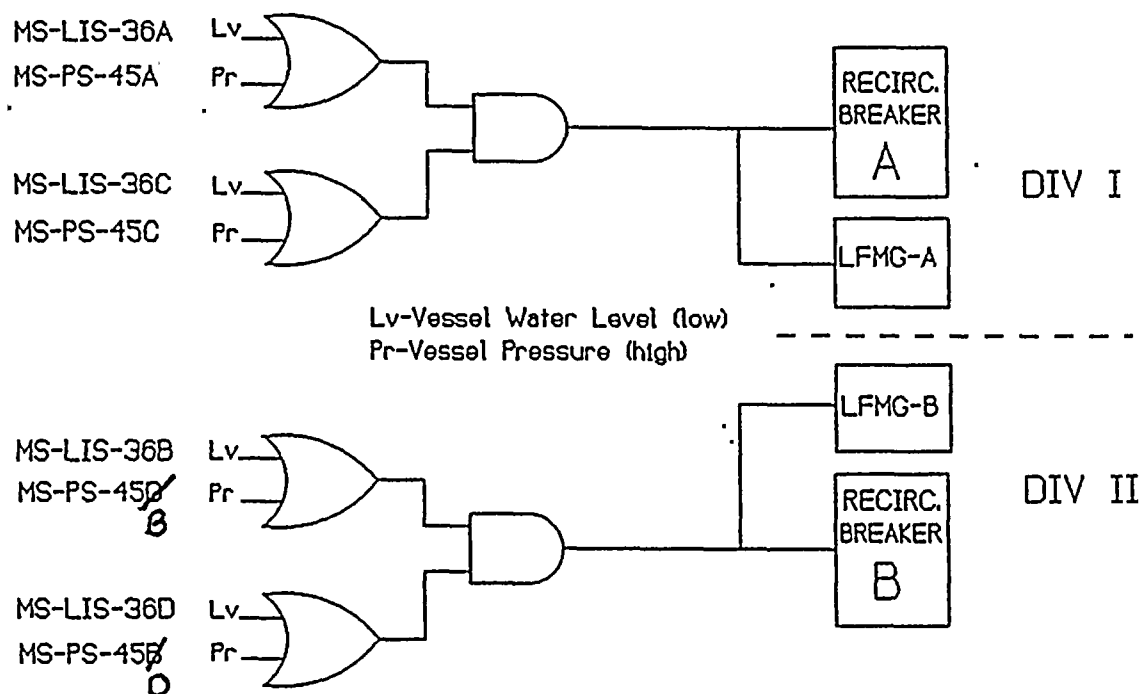
G. C. Sorensen, Manager
Regulatory Programs

AGH/bk
Attachments

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

WNP-2

The proposed coincident ATWS/RPT logic is designed to trip both Recirculation Pumps and trip both low frequency Motor Generator sets during an ATWS event but prevent inadvertent trips. In addition, the logic is designed to be tested during Plant Operations up to the final actuating device prior to the breaker trip coils. Also, this design does not present electrical separation concerns between Division I and Division II.



ATWS/RPT Coincident Logic

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