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ACCESSION NBR: 9202240271 DOC. DATE: 92/02/14 NOTARIZED: YES DOCKET #
 FACIL: 50-397 WPPSS Nuclear Project, Unit 2, Washington Public Power 05000397
 AUTH. NAME: SORENSEN, G.C. AUTHOR AFFILIATION: Washington Public Power Supply System
 RECIP. NAME: RECIPIENT AFFILIATION: Document Control Branch (Document Control Desk)

SUBJECT: Supplement to 920121 application for amend to License
 NPF-21 changing TS Bases Section 3/4.6.1.4 re capacity of
 blowers in MSIV leakage control sys.

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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

February 14, 1992
G02-92-040

Docket No. 50-397

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

Subject: WNP-2, OPERATING LICENSE NPF-21
REVISION TO BASES SECTION 3/4.6.1.4 OF
THE TECHNICAL SPECIFICATIONS

- References: 1) Letter, G02-92-015, dated January 21, 1991, GC Sorensen (SS) to NRC, "Request for Amendment to Technical Specification 4.6.1.4 MSIV Leakage Control System"
- 2) Letter, G02-75-238, dated August 18, 1975, NO Strand (SS) to OD Parr (NRC), "Response to Request for Information Main Steam Isolation Valve Leakage Control System"

Reference 1 requested a change to the Technical Specification Surveillance Requirement for the capacity of the blowers in the MSIV Leakage Control (MSLC) System. This letter contains as an attachment a revision to the Bases of the Technical Specifications to support the requested amendment. The MSLC system was designed to divert potential leakage from the Main Steam Isolation Valves (MSIV) to reduce untreated leakage from the valves when primary or secondary containment is required.

As discussed in References 1 and 2, the design capacity is required to be greater than 5 times the allowable Technical Specification leakage for the MSIVs. Extensive modifications were initiated during R4 (1989) and completed in R5 (1990) on the eight MSIVs to reduce leakage. Leak testing on the MSIVs during the most recent outages has proven that valve modifications have significantly reduced measured leakage. No MSIV overhaul has been required because of leakage in excess of Technical Specification limits since the modifications were completed in R5 (1990).

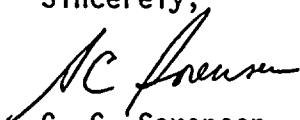
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The blowers in the MSLC system take a suction on the piping downstream of the inboard and outboard MSIVs. The failure of an inboard MSIV to successfully isolate main steam line would result in excessive flow or high pressure in the corresponding line to the MSLC blower. The system is designed to isolate in this situation, preventing the need for the blowers to handle MSIV leakage significantly beyond allowable Technical Specification limits. The blowers also take a suction on the reactor building atmosphere. This is referred to as dilution flow. The combined flow (~ 30 cfm) of MSIV leakage (≤ 3.8 scfm) and the dilution flow is directed to the SGT for processing. A portion of the flow diverted to the Standby Gas Treatment (SGT) System will be MSIV leakage, but the majority will always be dilution flow.

Sincerely,



G. C. Sorensen, Manager
Regulatory Programs (Mail Drop 280)

MGE/bk
Attachments

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

STATE OF WASHINGTON)
COUNTY OF BENTON)

Subject: Revision to Bases Section 3/4.6.1.4

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 the 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 14 FEB, 1992

G. C. Sorensen
G. C. Sorensen, Manager
Regulatory Programs

On this date personally appeared before me G. C. SORENSEN, 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 14 day of February 1992.

Bernice Kask
Notary Public in and for the
STATE OF WASHINGTON

Residing at Kennewick, Washington

My Commission Expires April 28, 1994

