

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8804200103 DOC. DATE: 88/04/11 NOTARIZED: YES DOCKET #
 FACIL: 50-397 WPPSS Nuclear Project, Unit 2, Washington Public Powe 05000397
 AUTH. NAME AUTHOR AFFILIATION
 SORESEN, G. C. Washington Public Power Supply System
 RECIP. NAME RECIPIENT AFFILIATION
 MARTIN, J. B. Region 5, Ofc of the Director

SUBJECT: Provides listed info as requested by NRC Bulletin 88-001 re
 defects in Westinghouse circuit breakers dtd 880205.

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Washington Public Power Supply System

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April 11, 1988
G02-88-084

Docket No. 50-397

Mr. J. B. Martin
Regional Administrator
U.S. Nuclear Regulatory Commission
Region V
Suite 210, 1450 Maria Lane
Walnut Creek, California 94596

Subject: NUCLEAR PLANT NO. 2
OPERATING LICENSE NPF-21
RESPONSE TO NRC BULLETIN NO. 88-01:
DEFECTS IN WESTINGHOUSE CIRCUIT BREAKERS
(TACS 65955/65956)

Reference: NRC Bulletin No. 88-01: Defects in Westinghouse Circuit
Breakers dated February 5, 1988

Dear Mr. Martin:

The subject bulletin expressed concerns with Westinghouse series DS circuit breakers used in Class 1E service, and requested that the licensee perform short-term inspections of the three main pole levers and long-term inspections of the four remaining welds on the pole shaft and a check of the alignment of the breaker closing mechanism. These inspections were to be performed in accordance with Westinghouse Technical Bulletin NSID-TB-87-11 dated December 1, 1987, which was modified by and attached to the subject bulletin.

The Supply System has completed the necessary inspections, and provides the following information as requested by the bulletin:

1. The Supply System has twenty one (21) type DS-416 480 volt A.C. circuit breakers in Class 1E safety related applications. All were inspected for both long-term and short-term criteria.

There are approximately forty (40) additional non-1E breakers used in non-safety related balance of plant applications. As a BWR, WNP-2 has no Reactor Trip Breakers (RTB).

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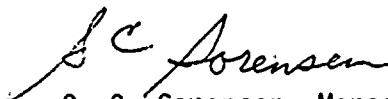
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RESPONSE TO NRC BULLETIN NO. 88-01:
DEFECTS IN WESTINGHOUSE CIRCUIT BREAKERS
(TACS 65955/65956)

2. Six (6) of the 21 circuit breakers passed the required acceptance criteria for both the short-term and the long-term inspections with no limitations.
3. Three (3) of the remaining 15 circuit breakers failed to pass the long-term required acceptance criteria based on improper roller alignment. Spare breakers were located to replace the three failed breakers. One of these three spare breakers also failed the roller alignment criteria, and an additional spare breaker was located. The four (4) failed breakers will be refurbished and reinspected at that time.
4. Fifteen (15) circuit breakers (including the replacement breakers of Item 3 above) passed the weld inspection criteria for limited use. This will require periodic reinspections, or replacement of breaker pole shafts. The long term inspection was performed on these breakers and they successfully passed except that nine were completed without removal of the closing spring during roller alignment inspection. These particular springs were not removed because spare retaining "x" washers were unavailable for replacement. These nine breakers will be reinspected for roller alignment during the forthcoming spring refueling outage, scheduled to begin in a matter of weeks. They are considered acceptable for continued use because they clearly met the alignment criteria even though the springs were not removed. These nine breakers were thoroughly retested prior to being declared operable. A follow-up report will be sent within 30 days of completion of the reinspection of these nine breakers.

Approximately 1,000 manhours of craft time and 1,000 manhours of Engineering support were expended during these inspections thus far. We do not have an estimate of additional cost at this time.

Should you have any additional questions regarding this matter please contact Mr. P. L. Powell, Manager, WNP-2 Licensing.

Very truly yours,



G. C. Sorensen, Manager
Regulatory Programs

PLP:lw

cc: C Eschels - EFSEC
NS Reynolds - BCP&R
RB Samworth - NRC
DL Williams - BPA/399
NRC Site Inspector - 901A
NRC Document Control Desk

STATE OF WASHINGTON)
)
COUNTY OF BENTON)

Subject: Response to IEB 88-01

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 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 11 APRIL, 1988

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

On this day 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 11th day of April, 1988.

Bernice Kasko
Notary Public in and for the
State of Washington
Residing at Kennewick, Wa