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 AUTH.NAME AUTHOR AFFILIATION
 SORENSEN,G.C. Washington Public Power Supply System
 RECIP.NAME RECIPIENT AFFILIATION
 MARTIN,J.B. Region 5, Ofc of the Director

SUBJECT: Responds to NRC Bulletin 88-001, "Defects in Westinghouse
 Circuit Breakers."

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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

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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)

References: 1) NRC Bulletin No. 88-01: Defects in Westinghouse Circuit Breakers dated February 5, 1988
2) Letter, GC Sorensen (SS) to JB Martin (NRC) same subject, dated April 11, 1988

In Reference 2 the Supply System provided confirmation that the short and long term inspections of Westinghouse DS circuit breakers required by Reference 1 had been completed. In Reference 2 it was explained that the long term roller alignment inspection of nine breakers was performed without removal of the closing spring. A commitment was made to reinspect these nine breakers after removal of the spring and report the results to the NRC.

This reinspection was performed during the 1988 spring refueling outage. The results are:

- o The nine DS-416 breakers were reinspected for roller alignment.
- o Seven breakers passed the inspection for roller alignment.
- o Two breakers failed the inspection and were replaced with spare breakers that were inspected and passed the required acceptance criteria for both the short term and long term inspections with no limitations.

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

Our total response to IEB 88-01 is:

- o WNP-2 has 21 DS-416 480 vac circuit breakers in Class 1E service. All have received IEB 88-01 short and long term inspections.
- o Eight of the 21 circuit breakers satisfy the acceptance criteria for both the long term and short term inspections with no limitations.
- o Five of the remaining thirteen circuit breakers failed to pass the long term required acceptance criteria based on improper roller alignment. Spare breakers were located to replace the five failed breakers. One of these five spare breakers also failed the roller alignment criteria, and an additional spare breaker was located.
- o Thirteen circuit breakers (including the replacement breakers mentioned 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 all criteria including roller alignment.
- o As a BWR, WNP-2 has no reactor trip breakers.
- o WNP-2 has no type DS-206, 420, DSL-206 or 416 breakers in 1E service.

In response to the bulletin's request for information on the cost of this response, approximately 1,300 man-hours of craft time and 1,200 man-hours of engineering time were expended.

Should you have any further questions, please contact Mr. A. G. Hosler, Manager, WNP-2 Licensing.

Very truly yours,


G. C. Sorensen, Manager
Regulatory Programs

AGH/lw

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