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SUBJECT: Responds to NRC Bulletin 88-010, "Nonconforming Molded-Case Circuit Breakers."

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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

March 31, 1989
G02-89-049

Docket No. 50-397

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Mail Station P1-137
Washington, D.C. 20555

Gentlemen:

Subject: NUCLEAR PLANT NO. 2
RESPONSE TO NRC BULLETIN NO. 88-10
NONCONFORMING MOLDED-CASE CIRCUIT BREAKERS

In accordance with the reporting requirements contained in the subject Bulletin, Washington Public Power Supply System submits the following information:

Reporting Requirements

1. All holders of operating licenses are required to provide a written report by April 1, 1989 that:
 - a. Confirms that only molded-case CBs that meet the criteria of item 7 of the actions requested are being maintained as stored spares for future use in safety related applications.

Response

Measures have been taken to ensure that only molded-case circuit breakers that have been procured under a 10CFR50 Appendix B QA Program or procured as Commercial Grade with reasonable documented assurance of traceability to the original equipment manufacturer are being maintained as stored spares and available for safety related application. All Commercial Grade units stored for safety related applications have been evaluated and dedicated for use in accordance with our Engineering Review Based Program. These actions satisfy the criteria of item 7.

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- b. Summarizes the total number, manufacturer, model number, and to the extent possible the procurement chain of those CBs that could not be traced to the CBM in items 1 and 4 of the actions requested. For installed CBs, also identify each system in which they are/were installed. If item 4 of the actions requested has not been completed by April 1, 1989, due to the schedule for tests in item 3 of the actions requested, this information should be updated within 30 days of the completion of item 4 to address those additional CBs that could not be traced to the CBM.

Response

There are a total of eight (8) circuit breakers that have been evaluated as not traceable in the procurement chain beyond our local electrical distributor. These circuit breakers consist of five (5) General Electric THQP 120 units, and three (3) General Electric THQL 1120 units. None of these circuit breakers are installed.

- c. Confirm that items 1,2,3,4,5,6 and 7 of the actions requested have been completed or will be implemented as requested.

Response

1. Item completed.
2. Not applicable - none installed.
3. Testing of nontraceable CBs is complete.
4. Not applicable - more than 80% traceable and test failure rate less than 10%.
5. Not applicable
6. Information will be documented and entered into retrievable storage upon completion of all action items for a minimum of five years.
7. All MCCB's procured after August 1, 1988 have been, and will continue to be procured under a 10CFR50, Appendix B Program or dedicated to safety related use which includes a requirement to be traceable back to the circuit breaker manufacturer.

RESPONSE TO IEB 88-10 NONCONFORMING MOLDED-CASE CIRCUIT BREAKERS

2. A final report that summarizes available results of tests conducted in accordance with items 3 and 5 of the actions requested will be completed within 30 days after startup from the first refueling outage beginning after March 1, 1989.

Response

This report summarizes results of tests conducted in accordance with item 3 of the actions requested.

A total of eight (8) circuit breakers were tested in accordance with the test program described in Attachment 1 to the subject Bulletin. These circuit breakers are all General Electric single pole, riveted construction. Five (5) are THQP 120 units and three (3) are THQL 1120 units. Traceability in the procurement chain was not possible beyond our local electrical distributor.

One THQL 1120 unit initially failed to trip within one hour at 135% of rated current (27 amps) as required in step 2.3 of the test program. This test was repeated two subsequent times under identical conditions with successful results.

We have concluded that the successful retesting, along with only one unit in eight exhibiting an anomalous result, that the acceptance criteria established in item No. 3 of the Bulletin have been met.

Very truly yours,


G. C. Sorensen, Manager
Regulatory Programs

MCB/bk

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

STATE OF WASHINGTON)
COUNTY OF BENTON)

Subject: Response to IEB 88-10

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 31 March, 1989

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 31st day of March, 1989.

Robert Z. Robertson
Notary Public in and for the
State of Washington

Residing at Richland, WA
My commission expires 7/14/91