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**Vogle Project**

August 1, 1985

Director of Nuclear Reactor Regulation  
Attention: Ms. Elinor G. Adensam, Chief  
Licensing Branch #4  
Division of Licensing  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

File: X7BC35  
Log: GN-671

REF: ADENSAM TO FOSTER, DATED 7/1/85

NRC DOCKET NUMBERS 50-424 AND 50-425  
CONSTRUCTION PERMIT NUMBERS CPPR-108 AND CPPR-1209  
VOGTLE ELECTRIC GENERATING PLANT - UNITS 1 AND 2  
SER OPEN ITEM-5: GENERIC LETTER 83-28

Dear Mr. Denton:

The referenced letter requested additional information on Generic Letter 83-28, Items 4.2.1 and 4.2.2. Attached for your staff's review are responses to the information requested.

If your staff requires any additional information, please do not hesitate to contact me.

Sincerely,

J. A. Bailey  
Project Licensing Manager

JAB/erk  
Attachment

xc: D. O. Foster	G. Bockhold, Jr.
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- 4.2 REACTOR TRIP RELIABILITY (PREVENTIVE MAINTENANCE AND SURVEILLANCE PROGRAM FOR REACTOR TRIP BREAKERS)

NRC Position

Licensees and applicants shall describe their preventive maintenance and surveillance program to ensure reliable reactor trip breaker operation. The program shall include the following:

1. A planned program of periodic maintenance, including lubrication, housekeeping, and other items recommended by the equipment supplier.

VEGP RESPONSE

The VEGP, Units 1 and 2 periodic maintenance program for the reactor trip breakers will include, on a six-month basis, (or when 500 breaker operations have been counted, whichever comes first) the following:

- General inspection to include checking of breaker's cleanliness, all bolts and nuts, pole bases, arc chutes, insulating link, wiring, and auxiliary switches;
- The retaining rings inspection, including those on the undervoltage trip attachment (UTVA) and shunt trip attachment (STA);
- Arcing and main contacts inspection as specified by the Westinghouse Maintenance Manual;
- UVTA check as specified by the Westinghouse Maintenance Manual, including replacement of UVTA if dropout voltage is greater than 60% or less than 30% of rated UVTA coil voltage;
- STA check as specified by the Westinghouse Maintenance Manual;
- Lubrication as specified by the Westinghouse Maintenance Manual;
- Functional check of the breaker's operation prior to returning it to service.

The VEGP, Units 1 and 2 periodic maintenance program for the reactor trip breakers will include on a refueling interval basis (or when 500 breaker operations have been counted, whichever comes first) the following:

- Pre-cleaning insulation resistance measurement and recording;
- RTB dusting and cleaning;
- Post-cleaning insulation resistance measurement and recording, as specified by the Westinghouse Maintenance Manual;
- Inspection of main and secondary disconnecting contacts, bolt tightness, secondary wiring, mechanical parts, cell switches, instruments, relays and other panel mounted devices;

- UVTA trip force and breaker load check as specified by the Westinghouse Maintenance Manual;
- Measurement and recording RTB response time for the undervoltage trip;
- Functional test of the breaker prior to returning to service as specified by the Westinghouse Maintenance Manual.

#### 4.2 REACTOR TRIP SYSTEM RELIABILITY (PREVENTIVE MAINTENANCE AND SURVEILLANCE PROGRAM FOR REACTOR TRIP BREAKERS)

##### NRC Position

Licensees and applicants shall describe their preventive maintenance and surveillance program to ensure reliable reactor trip breaker operation. The program shall include the following:

2. Trending of parameters affecting operation and measured during testing to forecast degradation of operability.

##### VEGP Position

VEGP will trend reactor trip breaker parameters to forecast degradation of operability. The parameters included in the trending data are trip force, breaker response time, dropout voltage for under voltage trip, and breaker insulation resistance. The Maintenance Engineering group will trend the reactor trip breaker test data on an 18 month interval and will revise the Maintenance tasks and frequencies as required after their evaluation.