

NRC POR



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

JUN 13 1979

MEMORANDUM FOR: T. Ippolito, Chief, Operating Reactors Branch #3,  
Division of Operating Reactors

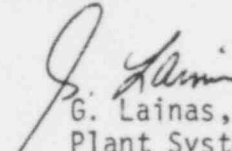
FROM: G. Lainas, Chief, Plant Systems Branch, Division  
of Operating Reactors

SUBJECT: PEACH BOTTOM, UNITS 2 AND 3, REQUEST FOR ADDITIONAL  
INFORMATION FOR DEGRADED GRID VOLTAGE (TAC 10040 &  
10039)

Plant Name: Peach Bottom, Units 2 and 3  
Docket No.: 50-277 and 50-288 *278*  
Responsible Branch: ORB #3  
Project Manager: D. Verrelli  
Reviewing Branch: Plant Systems Branch  
Status: Awaiting Information

In response to technical assistance request TAC 10040 & 10039, the Plant Systems Branch has reviewed the licensee's submittal of December 22, 1977 and found that additional information is required in order to complete our review.

The attached request for additional information should be forwarded to the licensee as soon as possible.

  
G. Lainas, Chief  
Plant Systems Branch  
Division of Operating Reactors

Contact:  
S. Rhow, X28077  
J. Ibarra, LLL

Enclosure:  
As stated

cc w/enclosure:  
See page 2

496 008

7907180888

cc w/enclosure:

~~V. Stello~~

D. Eisenhut

R. Vollmer

W. Russell

B. Grimes

D. Verrelli

G. Lainas

D. Tondi

P. Shemanski

M. Chiramal

S. Rhow

J. Ibarra, LLL

REQUEST FOR ADDITIONAL INFORMATION  
PEACH BOTTOM, UNITS 2 AND 3  
DEGRADED GRID VOLTAGE  
(TAC 10040 and 10039)

1. Describe how your voltage monitors meet the requirements of IEEE Std. 279-1971.
2. Provide details of the coincident logic design of your second level voltage protection that meet the requirements of Position 1(b) of the enclosure to NR letter dated June 2, 1977.
3. Describe your compliance with Position 3.
4. As stated in Position 2 if the load shed feature is retained after the loads are energized by the onsite power, the setpoint value in the technical specifications must be amended to specify one maximum value and specify one minimum value. The licensee's bases for the setpoints and limits selected must be documented. State the maximum and minimum limits, and give the basis.
5. A discrepancy exists between the written text and Table 3.2.B Instrumentation That Initiates or Controls the Core and Containment Cooling Systems. Submit bases and supporting information to justify the setpoint and time delay selected. The text gives 3360V on the 4KV bus (81%) as a setpoint for voltage degradation while the table has a figure of 89%. Clarify the discrepancy.
6. Voltage setpoints for low voltage conditions (low voltage and degraded voltage) should be given in reference to the 4KV buses. Submit 4KV bus voltage setpoints in the Technical Specification change.
7. ESF instrument surveillance requirements for the undervoltage system should be at least monthly for channel functional tests and 18 months for channel calibration. Your Table 4.2.B, Minimum Test and Calibration Frequency for CSCS (Philadelphia Electric Company letter to NRC dated 12/22/77) does not comply with this requirement. State your exception and basis for not complying. Provide the channel check frequency.