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

June 19, 1981

Dockets Nos. 50-277  
and 50-273



Mr. Edward G. Bauer, Jr.  
Vice President and General Counsel  
Philadelphia Electric Company  
220 Market Street  
Philadelphia, Pennsylvania 19101

Dear Mr. Bauer:

Our letter of May 15, 1981 transmitted requests for additional information needed by us to complete our review of the Peach Bottom Station problems related to degraded grid voltage and station electric distribution voltages. As a result of telephone calls between our staffs, subsequent to May 15, we require the additional information supplied in the enclosure to this letter.

We request that the additional information be provided within 30 days of your receipt of this letter.

Sincerely,

John F. Stolz, Chief  
Operating Reactors Branch #4  
Division of Licensing

Enclosure:  
Request for Additional  
Information

cc w/o enclosure:  
See next page

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REQUEST FOR ADDITIONAL INFORMATION  
PEACH BOTTOM ATOMIC POWER STATION, UNITS 2 AND 3  
DOCKET NOS. 50-277, 50-278

SUBJECT: GRID VOLTAGE DEGRADATION

REFERENCES: (1) NRC letter to all power reactor licensees, dated  
June 2, 1977.

Reference (1), Enclosure 1, page 2, Position 1,c,(1) requests that the ... "time delay, including margin, shall not exceed the maximum time delay that is assumed in the FSAR accident analyses...." The degraded voltage logic scheme for Peach Bottom Units 2 and 3 transfers the Class 1E buses to a second off-site source should the first off-site source be degraded. The licensee should show that for all possible voltage levels and logic schemes, the time delay would not exceed or add to the time assumed in the FSAR accident analyses due to insufficient voltage for Class 1E equipment to start or operate. Since it appears, the proposed 2nd level undervoltage protection logic does not meet this requirement, enclosed is a recently revised Power Systems Branch Technical Position (PSB 1) which outlines an alternate approach acceptable to the NRC.

April 17, 1981

NOTE TO: PSB Members  
FROM: F. Rosa, Acting Chief, PSB  
SUBJECT: BRANCH TECHNICAL POSITION PSB 1 "ADEQUACY OF STATION  
ELECTRIC DISTRIBUTION SYSTEM VOLTAGES"  
REFERENCE: Memorandum to PSB Members from R. Fitzpatrick, dated  
March 11, 1981

Enclosed is the finalized branch technical position (BTP) on the above subject. Thank you for your input in response to the above reference in enabling us to finalize the position in a timely fashion.

This BTP is effective immediately. It is a preferred method over the old PSB Review Reminder #3 but it in no way detracts from the acceptability of designs in accordance with Review Reminder #3.

The guidance of part 4 concerning an acceptable verification testing program should be applied across-the-board to all plants [ORs, OLs & CPs] that have not already either provided or proposed an accepted verification testing program.

You should bring the revised criteria of part 1 to the attention of those licensees/applicants that have designs now under review simply for their information and inform them that they may opt for the revised design criteria if they so choose. However, this should not become a mechanism to substantially delay implementation of a final design.

This BTP will be part of our Chapter 8 submittal of revised SRPs scheduled for completion by May 1, 1981.

*Faust Rosa*

Faust Rosa, Acting Chief  
Power Systems Branch, DSI

cc: R. Mattson  
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