

PHILADELPHIA ELECTRIC COMPANY

NUCLEAR GROUP HEADQUARTERS

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DAVID R. HELWIG

VICE PRESIDENT

NUCLEAR ENGINEERING & SERVICES

April 24, 1991

Docket Nos. 50-277
50-278

License Nos. DPR-44
DPR-56

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

Subject: Peach Bottom Atomic Power Station, Units 2 and 3
10CFR50.63, "Loss of All Alternating Current Power"
Revised Station Blackout Analysis

Dear Sir:

Enclosed please find our revised complete Station Blackout (SBO) analysis for Peach Bottom Atomic Power Station (PBAPS), Units 2 and 3. This response supersedes our previous responses to 10CFR50.63, i.e., our letters dated April 17, 1989 and April 3, 1990, and is presented in the same format as these previous submittals. Included in the enclosed analysis is information which we agreed to provide during our April 5, 1991 meeting with the NRC. The specific items agreed to at the meeting are restated below along with a cross reference to the Enclosure where the item is discussed.

<u>Item</u>	<u>Cross Reference to Enclosure</u>
1. Losses attributed to no-load losses on startup transformer.	Tables 1 and 2; specifically entry #35 on each table.
2. Minimum required loads for loss of offsite power (LOOP) and SBO.	Tables 1 and 2.
3. Analysis of suppression pool temperatures and pressures.	Section C.4.d. Figures 2-9.
4. Operator actions required for a LOOP event.	Table 3.

In addition, the NRC's summary of the April 5, 1991 meeting, issued April 12, 1991, specified NRC questions regarding certain SBO analysis issues. These issues are restated below along with a cross reference to the Enclosure where the issue is discussed.

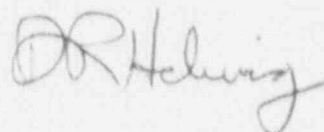
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<u>Issue</u>	<u>Cross Reference to Enclosure</u>
1. Condensate storage tank inventory.	Sections C.1 and C.4.d.
2. LOOP safe shutdown loads.	Table 1.
3. Instrument air capabilities.	Section C.3.
4. Analytical assumptions for recirculation pump seal leakage.	Sections C.1 and C.4.d.

If you have any questions or require additional information, please contact us.

Very truly yours,



Enclosure

cc: T. T. Martin, Administrator, Region I, USNRC
J. J. Lyash, USNRC Senior Resident Inspector, PBAPS