Docket Nos. 50-277 and 50-278

Mr. George J. Beck
Manager-Licensing, MC 5-2A-5
Philadelphia Electric Company
Nuclear Group Headquarters
Correspondence Control Desk
P. O. Box No. 195
Wayne, Pennsylvania 19087-0195

Dear Mr. Beck:

SUBJECT: REQULAR FOR ADDITIONAL INFORMATION RE: STATION BLACKOUT RULE (10 CFR 50.63) FOR PEACH BOTTOM ATOMIC POWER STATION, UNITS 2 AND 3 (TAC NOS. M68582 AND M68583)

By letter dated April 24, 1991, Philadelphia Electric Company (PECo) submitted a revised response to the Station Blackout (SBO) Rule, 10 CFR 50.63. After reviewing your submittal, the staff has concluded that some additional information is necessary to make a safety determination. The additional information required is described in the enclosure.

Response to the enclosed Request for Additional Information ( $\kappa AI$ ) is requested within 60 days from receipt of this letter.

This requirement affects fewer than ten respondents and, therefore, is not subject to Office of Management and Budget Review under P.L. 96-511.

Should you have any questions regarding this RAI, please contact me at (301) 504-2426.

Sincerely, Original signed by Richard J. Clark

Joseph W. Shea, Acting Project Manager Project Directorate I-2 Division of Reactor Projects - I/II Office of Nuclear Reactor Regulation

Enclosure: RAI cc w/enclosure: See next page DISTRIBUTION:

Docket File CMiller NRC & Local PDRs MO'Brien(2) PDI-2 Reading JShea

SVarga RClark JCalvo OGC ACRS(10)

RBlough, RGN-I LDoerflein, RGN-I

NAME : MO'BRIEN : STREA : ATC : CMILLER

DATE : 1/92 :01/27/92 :1/28/92

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## UNITED STATES NUCLEAR REGULATORY COMMISSION

WASHINGTON, D. C. 20555

January 28, 1992

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Tickard

Joseph W. Shea, Acting Project Manager

Clark for

Project Directorate I-2

Division of Reactor Projects - I/II Office of Nuclear Reactor Regulation

Enclosure:

cc w/enclosure: See next page Mr. George J. Beck Philadelphia Electric Company

Peach Bottom Atomic Power Station, Units 2 and 3

cc:

J. W. Durham, Sr., Esquire Sr. V.P. & General Counsel Philadelphia Electric Company 2301 Market Street, S26-1 Philadelphia, Pennsylvania 19101

Philadelphia Electric Company ATTN: Mr. D. B. Miller, Vice President Peach Bottom Atomic Power Station Route 1, Box 208 Delta, Pennsylvania 17314

Philadelphia Electric Company ATTN: Regulatory Engineer, A1-2S Peach Bottom Atomic Power Station Route 1, Box 208 Delta, Pennsylvania 17314

Resident Inspector
U.S. Nuclear Regulatory Commission
Peach Bottom Atomic Power Station
P.O. Box 399
Delta, Pennsylvania 17314

Regional Administrator, Region I U.S. Nuclear Regulatory Commission 475 Allendale Road King of Prussia, Pennsylvania 19406

Mr. Roland Fletcher Department of Environment 201 West Preston Street Baltimore, Maryland 21201

Carl D. Schaefer
External Operations - Nuclear
Delmarva Power & Light Company
P.O. Box 231
Wilmington, DE 19899

Mr. Thomas M. Gerusky. Director Bureau of Radiation Protection Pennsylvania Department of Environmental Resources P. O. Box 2063 Harrisburg, Pennsylvania 17120

Board of Supervisors Peach Bottom Township R. D. #1 Delta, Pennsylvania 17314

Public Service Commission of Maryland Engineering Division ATTN: Chief Engineer 231 E. Baltimore Street Baltimore, MD 21202-3486

Mr. Richard McLean
Power Plant and Environmental
Review Division
Department of Natural Resources
B-3, Tawes States Office Building
Annapolis, Maryland 21401

different or in any way inhibited by the SBO event?

event.

an evaluation of alternatives.

Provide the calculations in support of the control room, containment, and suppression pool heatup analyses for an SBO event. If a computer code is used, provide detailed information on its qualifications, input parameters with proper references, and the associated output.

Provide the results of an evaluation of RCIC and HPCI pump operability for the highest expected suppression pool temperature during an SBO

In Table 4 of the licensee's submittal, the operators are required to first trip EDG-1, the only EDG which starts, and later restart this same EDG. Provide a technical evaluation of the reliability of EDG

restarting after being tripped. It appears that purposefully tripping an EDG which has successfully started during an SBO event with the intent of later restarting this same EDG consitutes a degradation of safety. Provide a technical justification for this action including

8. In light of the fact that the licensee's projected EDG electrical load summary shows a very small margin to the 3000 kW rating of the EDG, provide an evaluation of the effect of the magnetizing current of the emergency auxiliary transformer on the ability of the EDG to maintain voltage and frequency within limits consistent with established electrical standards.