

# PHILADELPHIA ELECTRIC COMPANY

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September 2, 1988

Docket No. 50-277  
50-278

Document Control Desk  
U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

SUBJECT: Peach Bottom Atomic Power Station Special Report:  
Motor-Driven Fire Pump Out of Service for  
More than Seven Days

Gentlemen:

This report is being submitted in accordance with Peach Bottom Technical Specification 3.14.A.2 which requires that with one fire pump inoperable, the equipment must be restored to operable status within seven days, or in lieu of any other report required by Specification 6.9.2, a Special Report must be submitted to the Commission pursuant to Specification 6.9.3 within 31 days. As required by 3.14.A.2, this Special Report contained herein outlines the cause of the inoperability and the plans for restoring the fire pump to an operable status. Also included is a discussion of the significance of the event.

## Cause of the Inoperability

On July 26, 1988 the motor-driven fire pump was electrically blocked, rendering it inoperable. This action was taken to allow cleaning and inspection of the E-42 4kV bus. The fire pump is supplied from the E-224 480V load center. The E-224 load center is powered from the E-22 bus and the E-424 load center is powered from the E-42 bus. In preparation for cleaning and inspection of the E-42 4kV bus, vital loads on the E-424 load center were transferred to the E-224 load center and the breaker between the 4kV bus and the E-424 load center was opened. The E-424 loads were transferred to the E-224 load center by a cross-tie. To prevent overloading the E-224 transformer, only vital loads were transferred. Because of the large size of the fire pump motor (250 hp) and the availability of the diesel-driven fire pump, the motor-driven fire pump was electrically blocked from the E-224 load center to allow for the additional vital loads from E-424.

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Significance of the Inoperability

The significance of the inoperable motor-driven fire pump is considered minimal. Unit 2 was in Cold Shutdown and Unit 3 was in the Refuel Mode with the core offloaded. Technical Specification 3.14.A.2 allows reactor startup and/or continued operation with one inoperable fire pump. In addition, a redundant 100% capacity diesel-driven fire pump was available.

Restoration of Equipment

The motor-driven fire pump was restored to operable status on August 21, 1988 following completion of the E-42 bus outage and ST 6.16 "Motor Driven Fire Pump Operability Test".

If you have any questions or require additional information, please do not hesitate to contact us.

Very truly yours,

*W. M. Alder Sr.*  
*E. P. Fitzgerald*

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