

PHILADELPHIA ELECTRIC COMPANY

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SHIELDS L. DALTROFF  
VICE PRESIDENT  
ELECTRIC PRODUCTION

March 6, 1986

Docket Nos. 50-277  
50-278

Mr. Daniel R. Muller, Director  
BWR Project Directorate #2  
Division of Boiling Water Reactor Licensing  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Subject: Peach Bottom Atomic Power Station,  
Units 2 and 3, RHR pump wear ring cracks

Reference: Summary of Meeting With Philadelphia Electric Company  
Concerning Shroud Head Bolt Cracks and RHR Wear Ring Cracks,  
Gerald E. Gears, NRC to Philadelphia Electric Company, dated  
January 14, 1986

Dear Mr. Muller:

On December 19, 1985, representatives of Philadelphia Electric Company met with the NRC staff in Bethesda, Maryland to discuss, in part, intergranular stress corrosion cracking (IGSCC) of residual heat removal (RHR) pump wear rings. The NRC staff requested that we present our findings concerning the IGSCC cracks on the RHR pump wear rings. Detailed metallurgical examination of the Unit 3 'A' and 'C' RHR pump wear rings has been completed and the laboratory report is attached.

Since the meeting, the Unit 2 'B' RHR pump has been disassembled and inspected for cracked wear rings (on January 28, 1986). No crack indications were visually found. The impeller previously removed from the Unit 3 'A' RHR pump was installed in the Unit 2 'B' RHR pump with new impeller wear rings. The casing wear rings were replaced as well. This completes the installation of new wear rings in all eight of the Peach Bottom RHR pumps.

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Details of the inspection of the other seven RHR pump wear rings were submitted to the Commission on January 15, 1986 in LER 3-85-20.

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

Very truly yours,

A handwritten signature in cursive script, appearing to read "T. P. Johnson".

Attachment

cc: Dr. T. E. Murley, Administrator, Region I, USNRC  
T. P. Johnson, Resident Site Inspector