

PHILADELPHIA ELECTRIC COMPANY

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May 29, 1986

Docket No. 50-277, 50-278

Office of Inspection and Enforcement
US Nuclear Regulatory Commission
Washington, DC 20555

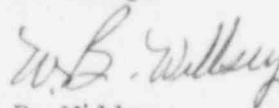
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Pursuant to the requirements set forth in Section 6.9.2 of Appendix A to the Peach Bottom Station Operating License, Environmental Technical Specifications and Bases, we are enclosing one copy of the 1985 Annual Radiological Environmental Operating Report No. 43.

The Radiological Environmental Monitoring Program found that PBAPS effects on the environment were not measurable in all media except silt and fish. A small amount of PBAPS-related Mn-54, Zn-65, Nb-95, Cs-134, and Cs-137 activity was found in fish, and Co-60, Zn-65, Nb-95, I-131, Cs-134, and Cs-137 activity was found in silt. The calculated dose from silt is 1.09-2 mrem to a teenager's skin and from fish is 1.55E-1 mrem to a teenager's liver. These doses are well below the 10 CFR50 Appendix 1 design objectives of 20 mrem. In all media, the actual doses are much lower due to the conservative assumptions used.

The 1985 Radiological Environmental Monitoring Program confirmed that PBAPS environmental effects from radioactive releases were well below PBAPS Technical Specification and applicable regulatory limits.

Yours truly, -



W. B. Willsey
Director
Environmental Affairs

cc: Mr. Learned W. Barry, Dir.
Office of Resources Management
US Nuclear Regulatory Commission
Washington, DC 20555
Att: R. A. Hartfield 7602-MNBB

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Attachment

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