

PHILADELPHIA ELECTRIC COMPANY

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August 9, 1984

Mr. Thomas E. Murley
Administrator, Region I
US Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

Dear Mr. Murley:

Pursuant to the requirements set forth in Section 6.4 of Appendix B to the Peach Bottom Station Operating License, Environmental Technical Specifications and Bases, we are sending you two copies of the reports entitled "Peach Bottom Atomic Power Station Environs Radiation Monitoring Program, January 1, 1983, through December 31, 1983, Report No. 41" prepared by Chemical Waste Management and "Peach Bottom Atomic Power Station Regional Radiological Environmental Monitoring Program, Report 19, January 1, 1983 through December 31, 1983" prepared by the Teledyne Isotopes.

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 Zn-65, Cs-134 and Cs-137 activity was found in fish, while Co-60, Zn-65, Cs-134, Cs-137 activity was found in silt. The calculated dose from silt is $6.94E-1$ mrem to a teenager's skin and from fish is $6.05E-1$ mrem to a teenager's liver. Those doses are well below the 10CFR50 Appendix I design objectives of 20 mrem. In both media the actual doses are much lower due to the conservative assumptions used.

The 1983 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
for WBCW

W. B. Willsey
Director
Environmental Affairs

WBW:htr
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