

PHILADELPHIA ELECTRIC COMPANY

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May 29, 1985

Mr. James M. Taylor
Office of Inspection and Enforcement
US Nuclear Regulatory Commission
Washington, DC 20555
Att: Document Control Desk

Dear Mr. Taylor:

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 one copy of the reports entitled "Peach Bottom Atomic Power Station Environs Radiation Monitoring Program, January 1, 1984, through December 31, 1984, Report No. 42" prepared by Chemical Waste Management and "Peach Bottom Atomic Power Station Regional Radiological Environmental Monitoring Program, Report 20, January 1, 1984 through December 31, 1984" prepared by the Teledyne Isotopes.

The Radiological Environmental Monitoring Program found that PBAPS effects on the environment were not measurable in all media except milk, silt and fish. A small amount of PBAPS-related I-131 activity was found in milk, 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 milk is 0.11 mrem to an infant's thyroid, from silt is $2.40E-2$ mrem to a teenager's skin and from fish is $2.17E-1$ 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 1984 Radiological Environmental Monitoring Program confirmed that PBAPS environmental effects from radioactive releases were well below PBAPS Technical Specification and applicable regulatory limits.

Yours truly,

Helen T. Rathgeber
for WBW

W. B. Willsey
Director, Environmental Affairs

WBW:htr
Attachment

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

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