

Peach Bottom Atomic Power Station www.exeloncorp.com
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May 25, 2007

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555-0001

Peach Bottom Atomic Power Station Unit Nos. 2 and 3
Facility Operating License Nos. DPR-44 and DPR-56
NRC Docket Nos. 50-277 and 50-278

SUBJECT: Annual Radiological Environmental Operating Report No. 64
 January 1, 2006 through December 31, 2006

In accordance with the requirements of Section 5.6.2 of the Peach Bottom Atomic Power Station, Units 2 and 3 Technical Specifications, this letter submits the Annual Radiological Environmental Operating Report No. 64. This report provides the 2006 results for the Radiological Environmental Monitoring Program (REMP) as called for in the Offsite Dose Calculation Manual.

In assessing the data collected for the REMP, we have concluded that the operation of PBAPS, Units 2 and 3, had no adverse impact on the environment. Low levels of Co-60 and Cs-137 were found downstream in sediment sampling location. Calculated doses were at small fractions of 10CFR50 limits.

There are no commitments contained in this letter.

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

Sincerely,



Joseph P. Grimes
Site Vice President
Peach Bottom Atomic Power Station

MJM/FLJ/MT/bcb

Enclosure

ccn 07-56

cc: Samuel Collins, Administrator, Region I, US NRC
 Fred Bower, US NRC Senior Resident Inspector, PBAPS

IEAS