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U.S. Nuclear Regulatory Commission  
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Docket Nos. 50-171

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SUBJECT: Peach Bottom Atomic Power Station Unit 1  
Annual Unit 1 Decommission Report - 1993

Gentlemen:

In accordance with Peach Bottom Atomic Power Station, Unit 1 Technical Specifications inspections are periodically performed to verify radiation and contamination levels, barrier integrity and water intrusion. All records of Unit 1 inspections are maintained for retrieval and review.

Radiological surveys are performed semi-annually in the accessible areas of the exclusion area. Radiation levels did not exceed 0.2 mRem/hour, all contamination levels were less than 1000 dpm/100cm<sup>2</sup>. No non-naturally occurring airborne radioisotopes were identified.

All exclusion area barriers as described in the Technical Specifications are maintained locked except when opened to provide egress for inspections, surveys, or repairs. Exclusion area barriers have not visually degraded from previous reports.

Monthly water intrusion inspections were conducted. There was no sampleable water accumulation in the accessible areas below ground level in the containment vessel; therefore, no radioanalysis was performed.

There were no reportable events involving Unit 1 for the year 1993.

Sincerely,

*GRR*  
GRR/GLE/RMM/RPF/HBM:cje

cc: T. T. Martin, Administrator Region I, USNRC  
W. L. Schmidt, Senior Resident Inspector, USNRC

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