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

Peach Bottom Atomic Power Station
Facility Operating License No. DPR-44, DPR-56
NRC Dockets Nos. 50-277, 50-278

Subject: Annual Environmental Operating Report (Non-Radiological)
January 1, 2002 through December 31, 2002

Enclosed is a copy of the Annual Environmental Operating Report (Non-Radiological), January 1, 2002 through December 31, 2002. This report is being submitted in compliance with Appendix B Technical Specification.

Sincerely,

R. G. West
Site Vice President,
Peach Bottom Atomic Power Station

RGW/GLJ/GRS

Enclosure
CCN: 03-14014

Cc: H. J. Miller, Administrator, Region I, USNRC
A. C. McMurtray, USNRC Senior Resident Inspector, PBAPS
B. P. Boska, Senior Project Manager, USNRC

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Peach Bottom Atomic Power Station
Units 2 & 3

2002
Annual Environmental Operating Report
(Non-Radiological)

January 1, 2002 – December 31, 2002

Facility Operating License No. DPR-44, DPR-56
Docket Nos. 50-277, 50-278

Exelon Corporation

1.0 Introduction:

This report provides the information required by Peach Bottom Atomic Power Station Appendix B Technical Specification, from January 1, 2002 to December 31, 2002.

2.0 Special Study Programs:

The annual fish out-migration study was conducted during the fall of 2002. This study characterizes the number and species of fish collected by the intake screens. The results of this study are in Table 1. This data collection fulfills two objectives. It supports the Susquehanna River American Shad restoration program and also provides American Shad specimens to the Pennsylvania Fish and Boat Commission for otolith analysis to compare contribution of hatchery and wild fish.

3.0 Plant Changes:

There were no changes to the plant or plant operations, which affected the environmental impact of the facility.

4.0 Environmental Permits Obtained:

Dredging of the Unit 2 Intake Bay began on September 9, 2002 and continued through November 27, 2002. The method used was hydraulic dredging with a cutter head. The dredging material was pumped to a processing area adjacent to the removed "D" cooling tower. The dredging spoils were then dewatered. The water was discharged into the canal, and the dewatered spoils were disposed in the "D" and "E" cooling tower basins. Approximately 10,000 cubic yards will be disposed in total when dredging is completed. All associated governmental permits and approvals have been obtained.

Table 1

Number of fish collected during intake screen sampling by unit at Peach Bottom Atomic
Power Station in fall, 2002.

Species	Unit 2	Unit 3	Total
American shad	13	5	18
Blueback herring	2	0	2
Alewife	3	2	5
Gizzard shad	72,630	871,749	944,379
Common carp	4	2	6
Channel catfish	41	88	129
Largemouth bass	1	8	9
Comely shiner	3	9	12
Bluegill	1,690	9,673	11,363
Rock bass	7	14	21
Smallmouth bass	20	25	45
White crappie	1	3	4
Black crappie	0	1	1
Yellow perch	4	20	24
Spotfin Shiner	5	6	11
Redbreast	15	20	35
Bluntnose Minnow	1	8	9
Spottail Shiner	0	1	1
Pumpkinseed	5	16	21
Quillback	1	3	4
Green Sunfish	22	25	47
White Catfish	0	1	1
Golden Shiner	2	0	2
Yellow Bullhead	0	1	1
TOTAL	***74,470***	***881,680***	***956,150***