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Peach Bottom Atomic Power Station  
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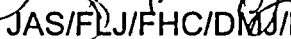
U. S. Nuclear Regulatory Commission  
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Subject: Exelon Generation Company, Peach Bottom Atomic Power Station  
Facility Operating License No. DPR-44, DPR-56  
NRC Dockets Nos. 50-277, 50-278

Please find enclosed a copy of the Annual Environmental Operating Report (non-radiological), for the period January 1, 2003 through December 31, 2003. This report is being submitted in compliance with Appendix B Technical Specification.

Sincerely,

  
John A. Stone, Plant Manager  
Peach Bottom Atomic Power Station

  
JAS/FLJ/FHC/DM/bcb

Enclosure

Cc: H. J. Miller, Administrator, Region I, US NRC  
Senior Resident Inspector, PBAPS  
B. P. Boska, Senior Project Manager, US NRC

ccn 04-14024

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Peach Bottom Atomic Power Station  
Units 2 & 3

2003  
Annual Environmental Operating Report  
(Non-Radiological)

January 1, 2003 – December 31, 2003

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, 2003 to December 31, 2003.

## 2.0 Special Study Programs:

The annual fish out-migration study was conducted during the fall of 2003. 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:

A limited duration Emergency Operation Permit (No. 6703501 E) was issued on January 10, 2003 from PADEP. This permit allowed for the addition of Bentonite to the clarifier to aid in re-establishing a bed for filtration. Since Peach Bottom produces its own drinking water, this permit was required prior to the addition of the Bentonite.

A temporary approval was also granted on December 22, 2003 from PADEP for Title V Permit # 67-05020 to install and operate a temporary boiler. The need for this approval was so that the station could successfully set up and run a temporary boiler in the event the A or B boilers became inoperable.

**Table 1****Number of fish collected during intake screen sampling in Fall of 2003  
by unit at Peach Bottom Atomic Power Station**

<b>Species</b>	<b>Unit 2</b>	<b>Unit 3</b>	<b>Total</b>
American shad	3	4	7
Blueback herring	33	15	48
Alewife	0	2	2
Gizzard shad	734	800	1,534
Rainbow smelt	0	1	1
Common carp	1	2	3
Golden shiner	1	2	3
Comely shiner	0	16	16
Spotfin shiner	2	2	4
Spottail shiner	0	1	1
White sucker	1	0	1
Quillback	1	0	1
Yellow bullhead	1	0	1
Channel catfish	28	52	80
Rock bass	5	4	9
Redbreast sunfish	0	2	2
Green sunfish	8	15	23
Pumpkinseed	0	2	2
Bluegill	136	413	549
Smallmouth bass	3	7	10
Largemouth bass	2	2	4
White crappie	18	24	42
Black crappie	0	1	1
Yellow perch	24	73	97
Walleye	1	2	3
Tessellated darter	2	3	5
Hybrid Striped bass	0	1	1
<b>TOTAL</b>	<b>1,004</b>	<b>1,446</b>	<b>2,450</b>