



# PECO NUCLEAR

A Unit of PECO Energy

PECO Energy Company  
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January 7, 2000

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

Docket Nos. 50-277 and 50-278

Gentlemen:

Enclosed is the monthly operating report for Peach Bottom Units 2 and 3 for the month of December 1999 forwarded pursuant to Technical Specification 5.6.4 under the guidance of Regulatory Guide 10.1, Revision 4.

Sincerely,



Gordon L. Johnston  
Director, Site Engineering  
Peach Bottom Atomic Power Station

GLJ/CHM/TFG/JC:cms

Enclosures

cc: Manager, Financial Controls & Co-owner Affairs, Public Service Electric & Gas  
R. R. Janati, Commonwealth of Pennsylvania  
R.I. McLean, State of Maryland  
H. J. Miller, Administrator, Region I, USNRC  
A.C. McMurtray, USNRC, Senior Resident Inspector  
A.F. Kirby, III, Delmarva Power & Light  
INPO Records Center

ccn 00-140002

IE24

Peach Bottom Atomic Power Station  
Unit 2  
December 1 through December 31, 1999

1. Narrative Summary of Operating Experiences

Unit 2 began the month of December at 100% power.

The unit reduced power to 70% starting at 23:00 on December 29 to help distribute generation across the electrical grid prior to the Y2K date change. Unit operation was not impacted by the Y2K date change.

Unit 2 ended the month of December at 70% power.

Peach Bottom Atomic Power Station  
Unit 3  
December 1 through December 31, 1999

1. Narrative Summary of Operating Experiences

Unit 3 began the month of December at 100% power.

The unit reduced power to 70% starting at 01:00 on December 30 to help distribute generation across the electrical grid prior to the Y2K date change. Unit operation was not impacted by the Y2K date change.

Unit 3 ended the month of December at 70% power.

**UNIT 2 REFUELING INFORMATION**

1. Name of facility:

Peach Bottom Unit 2

2. Scheduled date for next refueling shutdown:

Reload 13 is scheduled for September 29, 2000.

3. Scheduled date for restart following refueling:

Restart following refueling forecast for October 27, 2000.

4. Will refueling or resumption of operation therefore require a technical specification change or other license amendment?

Yes

If answer is yes, what, in general, will these be?

1. Power Range Monitor Modification to be implemented during 2R13.
2. Cycle 14 Safety Limit MCPR Change.

5. Scheduled date(s) for submitting proposed licensing action and supporting information:

1. Power Range Monitor Modification was reviewed and approved for Unit 3. Submittal of final Tech Spec pages for Unit 2 for NRC approval is scheduled for July, 2000.
2. Cycle 14 MCPR is scheduled for submittal in July, 2000.

6. Important licensing considerations associated with refueling, e.g., new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, new operating procedures:

- a. The preliminary reload includes 280 GE-14 bundles. This will be the first reload of GE-14 fuel.

**UNIT 2 REFUELING INFORMATION** (Continued)

7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool:
  - (a) Core - 764 Fuel Assemblies
  - (b) Fuel Pool - 3012 Fuel Assemblies, 52 Fuel Rods
  
8. The present licensed spent fuel pool storage capacity and the size of any increase in licensed storage capacity that has been requested or is planned, in number of fuel assemblies:

The spent fuel pool storage capacity has been relicensed for 3819 fuel assemblies.
  
9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present capacity:

September 2002 without full core offload capability.

September 1998 with full core offload capability.

**UNIT 3 REFUELING INFORMATION**

1. Name of facility:  
Peach Bottom Unit 3
2. Scheduled date for next refueling shutdown:  
Reload 13 is scheduled for October 5, 2001.
3. Scheduled date for restart following refueling  
Restart following refueling is scheduled by November 4, 2001
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?  
N/A  
If answer is yes, what, in general, will these be?
5. Scheduled date(s) for submitting proposed licensing action and supporting information.  
N/A
6. Important licensing considerations associated with refueling, e.g., new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, new operating procedures:
  - (a) The last refueling outage's reload included 276 GE-13 bundles which replaced an equal number of GE-11 bundles. This was the second reload of GE-13 fuel for the unit.
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool:
  - (a) Core - 764 Fuel Assemblies
  - (b) Fuel Pool - 3053 Fuel Assemblies, 16 Fuel Rods  
( one of the 3053 is a skeleton which contains less than a full complement of fuel rods)
8. The present licensed spent fuel pool storage capacity and the size of any increase in licensed storage capacity that has been requested or is planned, in number of fuel assemblies:  
The spent fuel pool storage capacity has been relicensed for 3819 fuel assemblies.

**UNIT 3 REFUELING INFORMATION** (Continued)

9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present capacity:

September 2003 without full core offload capability.

September 1999 with full core offload capability.

# OPERATING DATA REPORT

DOCKET NO. 50 - 277  
 DATE JANUARY 6, 2000  
 COMPLETED BY PECO ENERGY COMPANY  
 C. M. SHAW  
 PLANT ENGINEERING  
 ENGINEERING DIVISION  
 PEACH BOTTOM ATOMIC POWER STATION  
 TELEPHONE (717) 456-4996

## OPERATING STATUS

1. UNIT NAME: ----- PEACH BOTTOM UNIT 2  
 2. REPORTING PERIOD: ----- DECEMBER, 1999  
 3. DESIGN ELECTRICAL RATING (NET MWE): ----- 1119  
 4. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): ----- 1159  
 5. MAXIMUM DEPENDABLE CAPACITY (NET MWE): ----- 1093

	THIS MONTH	YR-TO-DATE	CUMULATIVE
6. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	8,664.0	156,231.2
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	744.0	8,634.1	151,997.9
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	813,365	9,462,310	147,154,581

# UNIT SHUTDOWNS

DOCKET NO. 50 - 277  
 UNIT NAME PEACH BOTTOM UNIT 2  
 DATE JANUARY 6, 2000  
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 C. M. SHAW  
 PLANT ENGINEERING  
 ENGINEERING DIVISION  
 PEACH BOTTOM ATOMIC POWER STATION  
 TELEPHONE (717) 456-4996

REPORT MONTH      DECEMBER, 1999

NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
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TOTAL HOURS

(1)  
 F - FORCED  
 S - SCHEDULED

(2)  
 REASON  
 A - EQUIPMENT FAILURE (EXPLAIN)  
 B - MAINTENANCE OR TEST  
 C - REFUELING  
 D - REGULATORY RESTRICTION  
 E - OPERATOR TRAINING + LICENSE EXAMINATION  
 F - ADMINISTRATIVE  
 G - OPERATIONAL ERROR (EXPLAIN)  
 H - OTHER (EXPLAIN)

(3)  
 METHOD  
 1 - MANUAL  
 2 - MANUAL SCRAM  
 3 - AUTOMATIC SCRAM  
 4 - OTHER (EXPLAIN)

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DOCKET NO. 50 - 278  
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## OPERATING STATUS

1. UNIT NAME: \_\_\_\_\_ PEACH BOTTOM UNIT 3  
 2. REPORTING PERIOD: \_\_\_\_\_ DECEMBER, 1999  
 3. DESIGN ELECTRICAL RATING (NET MWE): \_\_\_\_\_ 1119  
 4. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): \_\_\_\_\_ 1159  
 5. MAXIMUM DEPENDABLE CAPACITY (NET MWE): \_\_\_\_\_ 1093

	THIS MONTH	YR-TO-DATE	CUMULATIVE
6. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	8,156.8	154,465.7
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	744.0	8,099.5	150,616.5
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	819,794	8,558,611	144,387,359

# UNIT SHUTDOWNS

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REPORT MONTH      DECEMBER, 1999

NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
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TOTAL HOURS

(1)  
 F - FORCED  
 S - SCHEDULED

(2)  
 REASON  
 A - EQUIPMENT FAILURE (EXPLAIN)  
 B - MAINTENANCE OR TEST  
 C - REFUELING  
 D - REGULATORY RESTRICTION  
 E - OPERATOR TRAINING + LICENSE EXAMINATION  
 F - ADMINISTRATIVE  
 G - OPERATIONAL ERROR (EXPLAIN)  
 H - OTHER (EXPLAIN)

(3)  
 METHOD  
 1 - MANUAL  
 2 - MANUAL SCRAM  
 3 - AUTOMATIC SCRAM  
 4 - OTHER (EXPLAIN)