



# PECO NUCLEAR

A Unit of PECO Energy

PECO Energy Company  
1848 Lay Road  
Delta, PA 17314-9032  
717 456 7014

August 2, 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 July 2000 forwarded pursuant to Technical Specification 5.6.4 under the guidance of Regulatory Guide 10.1, Revision 4.

Sincerely,

Paul J. Davison  
Director, Site Engineering  
Peach Bottom Atomic Power Station

PJD/CHM/TFG/CSL:cms

*CHM/TFG/CSL*  
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 00-14065

*IE24*

Peach Bottom Atomic Power Station  
Unit 2  
July 1 through July 31, 2000

Narrative Summary of Operating Experiences

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

The unit is in coastdown leading up to the 2R13 refueling outage.

Unit 2 ended the month of July at 92% power.

Peach Bottom Atomic Power Station  
Unit 3  
July 1 through July 31, 2000

Narrative Summary of Operating Experiences

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

The unit operated at 100% for the entire month of July.

Unit 3 ended the month of July at 100% 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 15, 2000.

3. Scheduled date for restart following refueling:

Restart following refueling forecast for October 15, 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.
3. Reduction in the amount of Tech. Spec. required excess flow check valve testing.

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

1. Power Range Monitor Modification was reviewed and approved for Unit 3. NRC processing of final Tech. Spec. pages for Unit 2 is in progress.
2. Cycle 14 MCPR was submitted in June, 2000.
3. Excess flow check valve testing change was submitted in May, 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 reload includes 292 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 - 2890 Fuel Assemblies, 52 Fuel Rods
  - (c) Refuel Floor - 142 newly received fuel assemblies
  - (d) Interim Spent Fuel Storage Installation - 272 fuel assemblies
  
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 AUGUST 3, 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: \_\_\_\_\_ JULY, 2000  
 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	5,075.8	161,306.9
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	744.0	5,044.0	157,041.9
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	764,946	5,400,580	152,555,162

# OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 277  
DATE AUGUST 3, 2000

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	100.0 %	98.7 %	68.7 %
12. UNIT AVAILABILITY FACTOR	100.0 %	98.7 %	68.7 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	94.1 %	96.7 %	62.7 %
14. UNIT CAPACITY FACTOR (USING DER NET)	91.9 %	94.4 %	61.7 %
15. UNIT FORCED OUTAGE RATE	.0 %	2.2 %	10.4 %
16. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH): (717) 456-3412			
17. IF SHUTDOWN AT THE END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: (717) 456-3412			
18. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATIONS):	FORECAST	ACHIEVED	
INITIAL CRITICALITY		09/16/73	
INITIAL ELECTRICITY		02/18/74	
COMMERCIAL OPERATION		07/05/74	

# UNIT SHUTDOWNS

DOCKET NO. 50 - 277  
 UNIT NAME PEACH BOTTOM UNIT 2  
 DATE AUGUST 3, 2000  
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 C. M. SHAW  
 PLANT ENGINEERING  
 ENGINEERING DIVISION  
 PEACH BOTTOM ATOMIC POWER STATION  
 TELEPHONE (717) 456-4996

REPORT MONTH JULY, 2000

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)

# OPERATING DATA REPORT

DOCKET NO. 50 - 278  
 DATE AUGUST 3, 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 3  
 2. REPORTING PERIOD: \_\_\_\_\_ JULY, 2000  
 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	5,111.0	159,576.7
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	744.0	5,111.0	155,727.5
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	817,432	5,608,383	149,995,741

# OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 278  
DATE AUGUST 3, 2000

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	100.0 %	100.0 %	69.4 %
12. UNIT AVAILABILITY FACTOR	100.0 %	100.0 %	69.4 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	100.5 %	100.4 %	63.6 %
14. UNIT CAPACITY FACTOR (USING DER NET)	98.2 %	98.1 %	61.9 %
15. UNIT FORCED OUTAGE RATE	.0 %	.7 %	9.3 %
16. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH): (717) 456-3412			
17. IF SHUTDOWN AT THE END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: (717) 456-3412			
18. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATIONS):	FORECAST	ACHIEVED	
INITIAL CRITICALITY		08/07/74	
INITIAL ELECTRICITY		09/01/74	
COMMERCIAL OPERATION		12/23/74	

# UNIT SHUTDOWNS

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REPORT MONTH JULY, 2000

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)  
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(2)  
 REASON  
 A - EQUIPMENT FAILURE (EXPLAIN)  
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 C - REFUELING  
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 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)