



# PECO NUCLEAR

A Unit of PECO Energy

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

January 3, 2001

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 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

Enclosures

cc: L. J. Shorter, 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. McMurray, USNRC, Senior Resident Inspector  
A.F. Kirby, III, Delmarva Power & Light  
INPO Records Center

ccn 01-14000

IE24

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

Narrative Summary of Operating Experiences

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

Unit 2 operated at 100% power for the entire month of December.

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

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

Narrative Summary of Operating Experiences

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

On December 16, at 2307, power was reduced to 18% in a planned load drop, for repairs to the 3B recirc pump motor lube oil system. The unit reached 100% power again by 1311 on December 18.

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

**UNIT 2 REFUELING INFORMATION**

1. Name of facility:  

Peach Bottom Unit 2
2. Scheduled date for next refueling shutdown:  

Reload 14 is scheduled for October 17, 2002.
3. Scheduled date for restart following refueling:  

Restart following refueling forecast for November 2, 20002.
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?

  - a. Potential Cycle 15 Safety Limit MCPR Change.
5. Scheduled date(s) for submitting proposed licensing action and supporting information:  
  - a. Submittal anticipated July, 2002.
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 2R14 reload will consist of approximately 300 GE-14 bundles. This will be the second reload of GE-14 fuel.

**UNIT 2 REFUELING INFORMATION** (Continued)

7. The number of fuel assemblies (a) in the core, (b) in the spent fuel storage pool and (c) dry storage.
- (a) Core - 764 Fuel Assemblies
  - (b) Fuel Pool - 3032 Fuel Assemblies, 52 Fuel Rods
  - (c) 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:

A full core discharge surplus of 23 licensed rack locations will remain available until the summer 2002 dry cask storage campaign. Based on projected dry cask storage schedules and reload batch sizes, a surplus of not less than 87 licensed rack locations will be available from that time, through end of plant life.

**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 12, 2001.
3. Scheduled date for restart following refueling  
Restart following refueling is scheduled by November 2, 2001
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?  
yes  
  
If answer is yes, what, in general, will these be?  
  
a. Potential Cycle 14 Safety Limit MCPR change.
5. Scheduled date(s) for submitting proposed licensing action and supporting information.  
  
a. Submittal anticipated July, 2001.
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 3R13 reload will consist of approximately 284 GE-14 bundles. This will be the first reload of GE-14 fuel on Unit 3.
7. The number of fuel assemblies (a) in the core, (b) in the spent fuel storage pool and (c) dry storage.  
(a) Core - 764 Fuel Assemblies  
(b) Fuel Pool - 3053 Fuel Assemblies, 16 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:

A full core discharge surplus of 2 licensed rack locations will remain available until 3R13 (2001), at which time a surplus of 38 locations will become available. Based on projected dry cask storage schedules and reload batch sizes, a surplus of not less than 74 licensed rack locations will be available starting with 3R14 (2003), running through the end of plant life.

# OPERATING DATA REPORT

DOCKET NO. 50 - 277  
 DATE JANUARY 3, 2001  
 COMPLETED BY EXELON  
 C. S. LEWIS  
 PLANT ENGINEERING  
 ENGINEERING DIVISION  
 PEACH BOTTOM ATOMIC POWER STATION  
 TELEPHONE (717) 456-3245

**OPERATING STATUS**

1. UNIT NAME: \_\_\_\_\_ PEACH BOTTOM UNIT 2  
 2. REPORTING PERIOD: \_\_\_\_\_ DECEMBER, 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      | 8,247.5    | 164,478.6   |
| 7. REACTOR RESERVE SHUTDOWN HOURS         | 0.0        | 0.0        | 0.0         |
| 8. HOURS GENERATOR ON-LINE                | 744.0      | 8,169.1    | 160,167.0   |
| 9. UNIT RESERVE SHUTDOWN HOURS            | 0.0        | 0.0        | 0.0         |
| 10. NET ELECTRICAL ENERGY GENERATED (MWH) | 836,645    | 8,523,014  | 155,677,595 |



# OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 277  
DATE JANUARY 3, 2001

|   | THIS MONTH | YR-TO-DATE | CUMULATIVE |
|---|------------|------------|------------|
| 11. UNIT SERVICE FACTOR   | 100.0 %    | 93.0 %     | 69.0 %     |
| 12. UNIT AVAILABILITY FACTOR  | 100.0 %    | 93.0 %     | 69.0 %     |
| 13. UNIT CAPACITY FACTOR (USING MDC NET)  | 102.9 %    | 88.8 %     | 62.9 %     |
| 14. UNIT CAPACITY FACTOR (USING DER NET)  | 100.5 %    | 86.7 %     | 61.9 %     |
| 15. UNIT FORCED OUTAGE RATE   | .0 %       | 7.1 %      | 10.4 %     |
| 16. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH):<br>(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 JANUARY 3, 2001  
 COMPLETED BY EXELON  
 C. S. LEWIS  
 PLANT ENGINEERING  
 ENGINEERING DIVISION  
 PEACH BOTTOM ATOMIC POWER STATION  
 TELEPHONE (717) 456-3245

REPORT MONTH    DECEMBER, 2000

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

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

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**OPERATING STATUS**

1. UNIT NAME: \_\_\_\_\_ PEACH BOTTOM UNIT 3  
 2. REPORTING PERIOD: \_\_\_\_\_ DECEMBER, 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      | 8,737.9    | 163,203.6   |
| 7. REACTOR RESERVE SHUTDOWN HOURS         | 0.0        | 0.0        | 0.0         |
| 8. HOURS GENERATOR ON-LINE                | 744.0      | 8,722.4    | 159,338.9   |
| 9. UNIT RESERVE SHUTDOWN HOURS            | 0.0        | 0.0        | 0.0         |
| 10. NET ELECTRICAL ENERGY GENERATED (MWH) | 811,965    | 9,556,784  | 153,944,143 |

# OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 278  
DATE JANUARY 3, 2001

|   | THIS MONTH | YR-TO-DATE | CUMULATIVE |
|---|------------|------------|------------|
| 11. UNIT SERVICE FACTOR   | 100.0 %    | 99.3 %     | 69.8 %     |
| 12. UNIT AVAILABILITY FACTOR  | 100.0 %    | 99.3 %     | 69.8 %     |
| 13. UNIT CAPACITY FACTOR (USING MDC NET)  | 99.8 %     | 99.5 %     | 64.2 %     |
| 14. UNIT CAPACITY FACTOR (USING DER NET)  | 97.5 %     | 97.2 %     | 62.5 %     |
| 15. UNIT FORCED OUTAGE RATE   | .0 %       | 1.4 %      | 9.1 %      |
| 16. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH):<br>(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    DECEMBER, 2000

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

TOTAL HOURS

(1)  
 F - FORCED  
 S - SCHEDULED

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

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