

CC# 93-14031

PHILADELPHIA ELECTRIC COMPANY

PEACH BOTTOM ATOMIC POWER STATION

R. D. 1, Box 208

Delta, Pennsylvania 17314



PEACH BOTTOM—THE POWER OF EXCELLENCE

(717) 456-7014

D. B. Miller, Jr.  
Vice President

March 12, 1993

Docket Nos. 50-277  
50-278

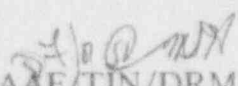
U.S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555

SUBJECT: Peach Bottom Atomic Power Station Monthly Operating Report

Gentlemen:

Enclosed are twelve copies of the monthly operating report for Peach Bottom Units 2 and 3 for the month of February 1993 forwarded pursuant to Technical Specification 6.9.1.d under the guidance of Regulatory Guide 10.1, Revision 4.

Sincerely,

  
DBM/AAF/TJN/DRM/MJB:cmc

Enclosure

- cc: R.A. Burricelli, Public Service Electric & Gas
- T.M. Gerusky, Commonwealth of Pennsylvania
- J.J. Lyash, USNRC Senior Resident Inspector
- R.I. McLean, State of Maryland
- T.T. Martin, Administrator, Region I, USNRC
- H.C. Schwemm, Atlantic Electric
- C.D. Schaefer, Delmarva Power
- INPO Records Center

CC0293.NRC

9303190055 930228  
PDR ADOCK 05000277  
R PDR

JE24

NRC Monthly Operations Summary  
Peach Bottom Atomic Power Station  
February 1993

UNIT 2

Unit 2 operated the entire month at nominal 100% power. There were two brief power reductions. Load drops were taken on February 4 for MSIV testing, and on February 23 for main stop valve testing.

UNIT 3

Unit 3 operated at nominal 100% power for the entire month. There was a brief load drop on February for condensate filter demin regeneration.

UNIT 2 REFUELING INFORMATION

1. Name of facility:

Peach Bottom Unit 2

2. Scheduled date for next refueling shutdown:

Reload 10 scheduled for September 10, 1994.

3. Scheduled date for restart following refueling:

Restart following refueling forecast for December 8, 1994.

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

No.

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:

N/A

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 - 2164 Fuel Assemblies, 58 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 2003 without full core offload capability.

September 1997 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 9 scheduled for September 11, 1993

3. Scheduled date for restart following refueling

Restart following refueling scheduled for November 14, 1993

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?

92-19 Change safety limit MLPR for Cycle 10  
92-13 CAD analyzer replacement  
93-01 ARTS/MELLA  
93-06 Drywell Rad Monitors

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

92-19 Scheduled for February 1993  
92-13 Scheduled for February 1993  
93-01 Scheduled for April 1993  
93-06 Scheduled for April 1993

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:

N/A

UNIT 3 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 - 1945 Fuel Assemblies, 6 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 2004 without full core offload capability.

September 1998 with full core offload capability.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 277

UNIT PEACH BOTTOM UNIT 2

DATE MARCH 15, 1993

COMPANY PHILADELPHIA ELECTRIC COMPANY

M. J. BARON  
SUPERVISOR  
REPORTS GROUP  
PEACH BOTTOM ATOMIC POWER STATION

TELEPHONE (717) 456-7014 EXT. 3321

MONTH FEBRUARY 1993

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWE-NET) | DAY | AVERAGE DAILY POWER LEVEL<br>(MWE-NET) |
|-----|--|-----|--|
| 1   | 1071                                   | 17  | 1072                                   |
| 2   | 1063                                   | 18  | 1072                                   |
| 3   | 1071                                   | 19  | 1072                                   |
| 4   | 1067                                   | 20  | 1067                                   |
| 5   | 1056                                   | 21  | 1072                                   |
| 6   | 1067                                   | 22  | 1072                                   |
| 7   | 1059                                   | 23  | 1073                                   |
| 8   | 1072                                   | 24  | 1073                                   |
| 9   | 1068                                   | 25  | 1072                                   |
| 10  | 1072                                   | 26  | 1071                                   |
| 11  | 1072                                   | 27  | 1072                                   |
| 12  | 1072                                   | 28  | 1071                                   |
| 13  | 1068                                   |     |  |
| 14  | 1072                                   |     |  |
| 15  | 1072                                   |     |  |
| 16  | 1072                                   |     |  |

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 278

UNIT PEACH BOTTOM UNIT 3

DATE MARCH 15, 1993

COMPANY PHILADELPHIA ELECTRIC COMPANY

M. J. BARON  
SUPERVISOR  
REPORTS GROUP  
PEACH BOTTOM ATOMIC POWER STATION

TELEPHONE (717) 456-7014 EXT. 3321

MONTH FEBRUARY 1993

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWE-NET) | DAY | AVERAGE DAILY POWER LEVEL<br>(MWE-NET) |
|-----|--|-----|--|
| 1   | 1070                                   | 17  | 1054                                   |
| 2   | 1033                                   | 18  | 1050                                   |
| 3   | 1062                                   | 19  | 1046                                   |
| 4   | 1050                                   | 20  | 1050                                   |
| 5   | 1054                                   | 21  | 1053                                   |
| 6   | 1062                                   | 22  | 1049                                   |
| 7   | 1042                                   | 23  | 1047                                   |
| 8   | 1050                                   | 24  | 1052                                   |
| 9   | 1046                                   | 25  | 1048                                   |
| 10  | 1058                                   | 26  | 1053                                   |
| 11  | 1058                                   | 27  | 1050                                   |
| 12  | 1047                                   | 28  | 1054                                   |
| 13  | 1046                                   |     |  |
| 14  | 1059                                   |     |  |
| 15  | 1046                                   |     |  |
| 16  | 1054                                   |     |  |



OPERATING DATA REPORT

DOCKET NO. 50 - 277

DATE MARCH 15, 1993

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

M. J. BARON

SUPERVISOR

REPORTS GROUP

PEACH BOTTOM ATOMIC POWER STATION

TELEPHONE (717) 456-7014 EXT. 3321

OPERATING STATUS

- 1. UNIT NAME: PEACH BOTTOM UNIT 2
- 2. REPORTING PERIOD: FEBRUARY, 1993
- 3. LICENSED THERMAL POWER(MWT): 3293
- 4. NAMEPLATE RATING (GROSS MWE): 1152
- 5. DESIGN ELECTRICAL RATING (NET MWE): 1065
- 6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 1098
- 7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 1055

NOTES:

- 8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS:
- 9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE):
- 10. REASONS FOR RESTRICTIONS, IF ANY:

|   | THIS MONTH | YR-TO-DATE | CUMULATIVE  |
|---|------------|------------|-------------|
| 11. HOURS IN REPORTING PERIOD               | 672        | 1,416      | 163,536     |
| 12. NUMBER OF HOURS REACTOR WAS CRITICAL    | 672.0      | 1,144.0    | 99,528.1    |
| 13. REACTOR RESERVE SHUTDOWN HOURS          | 0.0        | 0.0        | 0.0         |
| 14. HOURS GENERATOR ON-LINE                 | 672.0      | 1,059.0    | 95,708.2    |
| 15. UNIT RESERVE SHUTDOWN HOURS             | 0.0        | 0.0        | 0.0         |
| 16. GROSS THERMAL ENERGY GENERATED (MWH)    | 2,202,739  | 3,398,069  | 283,767,813 |
| 17. GROSS ELECTRICAL ENERGY GENERATED (MWH) | 737,800    | 1,118,800  | 93,291,190  |
| 18. NET ELECTRICAL ENERGY GENERATED (MWH)   | 718,793    | 1,087,417  | 89,374,136  |

DATE MARCH 15, 1993

|  | THIS MONTH | YR-TO-DATE | CUMULATIVE |
|--|------------|------------|------------|
| 19. UNIT SERVICE FACTOR  | 100.0      | 74.8       | 58.5       |
| 20. UNIT AVAILABILITY FACTOR   | 100.0      | 74.8       | 58.5       |
| 21. UNIT CAPACITY FACTOR (USING MDC NET)                                       | 101.4      | 72.8       | 51.8       |
| 22. UNIT CAPACITY FACTOR (USING DER NET)                                       | 100.4      | 72.1       | 51.3       |
| 23. UNIT FORCED OUTAGE RATE  | 0.0        | 0.0        | 14.3       |
| 24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH): |            |            |            |

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: N/A

| 26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): | FORECAST | ACHIEVED |
|---|----------|----------|
| INITIAL CRITICALITY                                       |          | 09/16/73 |
| INITIAL ELECTRICITY                                       |          | 02/18/74 |
| COMMERCIAL OPERATION                                      |          | 07/05/74 |

OPERATING DATA REPORT

DOCKET NO. 50 - 278

DATE MARCH 15, 1993

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

M. J. BARON  
SUPERVISOR  
REPORTS GROUP  
PEACH BOTTOM ATOMIC POWER STATION  
TELEPHONE (717) 456-7014 EXT. 3321

OPERATING STATUS

- 1. UNIT NAME: PEACH BOTTOM UNIT 3
- 2. REPORTING PERIOD: FEBRUARY, 1993
- 3. LICENSED THERMAL POWER(MWT): 3293
- 4. NAMEPLATE RATING (GROSS MWE): 1152
- 5. DESIGN ELECTRICAL RATING (NET MWE): 1065
- 6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 1098
- 7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 1035

NOTES:

- 8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS:
- 9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE):
- 10. REASONS FOR RESTRICTIONS, IF ANY:

|   | THIS MONTH | YR-TO-DATE | CUMULATIVE  |
|---|------------|------------|-------------|
| 11. HOURS IN REPORTING PERIOD               | 672        | 1,416      | 159,432     |
| 12. NUMBER OF HOURS REACTOR WAS CRITICAL    | 672.0      | 1,416.0    | 99,474.4    |
| 13. REACTOR RESERVE SHUTDOWN HOURS          | 0.0        | 0.0        | 0.0         |
| 14. HOURS GENERATOR ON-LINE                 | 672.0      | 1,416.0    | 96,113.2    |
| 15. UNIT RESERVE SHUTDOWN HOURS             | 0.0        | 0.0        | 0.0         |
| 16. GROSS THERMAL ENERGY GENERATED (MWH)    | 2,203,855  | 4,638,569  | 283,219,779 |
| 17. GROSS ELECTRICAL ENERGY GENERATED (MWH) | 726,500    | 1,529,100  | 92,969,232  |
| 18. NET ELECTRICAL ENERGY GENERATED (MWH)   | 706,634    | 1,485,458  | 89,149,424  |

-----  
 DATE MARCH 15, 1993  
 -----

|  | THIS MONTH | YR-TO-DATE | CUMULATIVE |
|--|------------|------------|------------|
| 19. UNIT SERVICE FACTOR  | 100.0      | 100.0      | 60.3       |
| 20. UNIT AVAILABILITY FACTOR   | 100.0      | 100.0      | 60.3       |
| 21. UNIT CAPACITY FACTOR (USING MDC NET)                                       | 101.6      | 101.4      | 54.0       |
| 22. UNIT CAPACITY FACTOR (USING DER NET)                                       | 98.7       | 98.5       | 52.5       |
| 23. UNIT FORCED OUTAGE RATE  | 0.0        | 0.0        | 12.5       |
| 24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH): |            |            |            |

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: N/A

| 26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): | FORECAST | ACHIEVED |
|---|----------|----------|
| INITIAL CRITICALITY                                       | -----    | 08/07/74 |
| INITIAL ELECTRICITY                                       | -----    | 09/01/74 |
| COMMERCIAL OPERATION                                      | -----    | 12/23/74 |

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 277

UNIT NAME PEACH BOTTOM UNIT 2

DATE MARCH 15, 1993

REPORT MONTH FEBRUARY, 1993

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

M. J. BARON  
SUPERVISOR  
REPORTS GROUP  
PEACH BOTTOM ATOMIC POWER STATION  
TELEPHONE (717) 456-7014 EXT. 3321

| NO. | DATE   | TYPE<br>(1) | DURATION<br>(HOURS)<br>(2) | REASON<br>(2) | METHOD OF<br>SHUTTING DOWN<br>REACTOR (3) | LICENSEE<br>EVENT<br>REPORT # | SYSTEM<br>CODE<br>(4) | COMPONENT<br>CODE<br>(5) | CAUSE AND CORRECTIVE<br>ACTION TO<br>PREVENT RECURRENCE |
|-----|--------|-------------|----------------------------|---------------|---|-------------------------------|-----------------------|--------------------------|---|
| 5   | 930205 | S           | 0.0                        | B             | 4   | N/A                           | CD                    | VALVEX                   | MSIV TESTING<br>REACTOR NOT SHUTDOWN                    |
| 6   | 930219 | S           | 0.0                        | B             | 4   | N/A                           | HB                    | VALVEX                   | MAIN STOP VALVE TESTING<br>REACTOR NOT SHUT DOWN        |

(1)

(2)

(3)

(4)

F - FORCED  
S - SCHEDULED

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)

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

EXHIBIT G - INSTRUCTIONS  
FOR PREPARATION OF DATA  
ENTRY SHEETS FOR LICENSEE  
EVENT REPORT (LER)  
FILE (NUREG-0161)

(5)

EXHIBIT I - SAME SOURCE

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 278

UNIT NAME PEACH BOTTOM UNIT 3

DATE MARCH 15, 1993

REPORT MONTH FEBRUARY, 1993

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

M. J. BARON  
SUPERVISOR  
REPORTS GROUP  
PEACH BOTTOM ATOMIC POWER STATION  
TELEPHONE (717) 456-7014 EXT. 3321

| NO. | DATE   | TYPE<br>(1) | DURATION<br>(HOURS) | REASON<br>(2) | METHOD OF<br>SHUTTING DOWN<br>REACTOR (3) | LICENSEE<br>EVENT<br>REPORT # | SYSTEM<br>CODE<br>(4) | COMPONENT<br>CODE<br>(5) | CAUSE AND CORRECTIVE<br>ACTION TO<br>PREVENT RECURRENCE |
|-----|--------|-------------|---------------------|---------------|---|-------------------------------|-----------------------|--------------------------|---|
| 2   | 930219 | S           | 0.0                 | B             | 4   | N/A                           | HG                    | DEMINX                   | FILTER DEMIN REGENERATION<br>REACTOR NOT SHUT DOWN      |

(1)

(2)

(3)

(4)

F - FORCED  
S - SCHEDULED

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)

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

EXHIBIT G - INSTRUCTIONS  
FOR PREPARATION OF DATA  
ENTRY SHEETS FOR LICENSEE  
EVENT REPORT (LER)  
FILE (NUREG-0161)

(5)

EXHIBIT I - SAME SOURCE