



PEACH BOTTOM—THE POWER OF EXCELLENCE

**PHILADELPHIA ELECTRIC COMPANY**

PEACH BOTTOM ATOMIC POWER STATION

R. D. 1, Box 208  
Delta, Pennsylvania 17314

(717) 456-7014

D. B. Miller, Jr.  
Vice President

April 15, 1992

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 March 1992 forwarded pursuant to Technical Specification 6.9.1.d under the guidance of Regulatory Guide 10.1, Revision 4.

Sincerely,

*DBM*  
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

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**NRC Monthly Operations Summary  
Peach Bottom Atomic Power Station  
March 1992**

**UNIT 2**

Unit 2 began the month at nominal 100% power. On March 21, a load drop was taken to perform scram time testing of control rods. The testing was completed without incident and full power was restored. On March 27, a problem developed with a reactor water level instrument reference leg resulting in a water level instrument mismatch. The reactor was shut down in a controlled manner and repairs were begun. The month ended with the unit shut down and maintenance activities continuing.

**UNIT 3**

Unit 3 began the month at nominal 100% power with no major evolutions.

UNIT 2 REFUELING INFORMATION

1. Name of facility:  

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

Reload 9 scheduled for September 12, 1992.
  
3. Scheduled date for restart following refueling:  

Restart following refueling forecast for November 30, 1992.
  
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 - 1896 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 4, 1993
  
3. Scheduled date for restart following refueling:  

Restart following refueling scheduled for October 29, 1993
  
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?  

No

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

N/A
  
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 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 APRIL 15, 1992

COMPANY PHILADELPHIA ELECTRIC COMPANY

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

TELEPHONE (717) 456-7014 EXT. 3321

MONTH MARCH 1992

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE NET)
1	1051	17	1066
2	1067	18	1071
3	1071	19	1071
4	1074	20	1067
5	1071	21	872
6	1043	22	1068
7	1035	23	1072
8	1064	24	1058
9	1071	25	1067
10	1067	26	1059
11	1059	27	58
12	1070	28	0
13	1071	29	0
14	1066	30	0
15	1070	31	0
16	1066		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 278

UNIT PEACH BOTTOM UNIT 3

DATE APRIL 15, 1992

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MONTH MARCH 1992

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1055	17	1067
2	1067	18	1066
3	1062	19	1067
4	1074	20	1067
5	1074	21	1067
6	1070	22	1067
7	1062	23	1071
8	1070	24	1062
9	1070	25	1070
10	1067	26	1063
11	1051	27	1066
12	1075	28	1061
13	1067	29	1063
14	1067	30	1059
15	1071	31	1063
16	1063		



OPERATING DATA REPORT

DOCKET NO. 50 - 277

DATE APRIL 15, 1992

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

M. J. BARON

SUPERVISOR

REPORTER GROUP

PEACH BOTTOM ATOMIC POWER STATION

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OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 2
2. REPORTING PERIOD: MARCH, 1992
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	744	2,184	155,520
12. NUMBER OF HOURS REACTOR WAS CRITICAL	628.0	2,068.0	94,322.0
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	628.0	2,068.0	90,905.5
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	7,033,376	6,732,768	269,272,497
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	679,300	2,255,300	88,543,890
18. NET ELECTRICAL ENERGY GENERATED (MWH)	660,596	2,193,206	84,810,439

-----  
 DATE APRIL 15, 1992  
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	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	84.4	94.7	58.5
20. UNIT AVAILABILITY FACTOR:	84.4	94.7	58.5
21. UNIT CAPACITY FACTOR (USING MDC NET)	84.2	95.2	51.7
22. UNIT CAPACITY FACTOR (USING DER NET)	83.4	94.3	51.2
23. UNIT FORCED OUTAGE RATE	15.6	5.3	14.4

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):

Refueling, 9/12/92, 80 Days

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

Startup Estimated 4/5/92

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

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DATE APRIL 15, 1992

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OPERATING STATUS

- 1. UNIT NAME: PEACH BOTTOM UNIT 3
- 2. REPORTING PERIOD: MARCH, 1992
- 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	744	2,184	151,416
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	2,157.6	52,519.7
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	744.0	1,981.4	89,286.4
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,440,032	5,877,264	261,971,194
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	815,300	1,963,100	85,965,632
18. NET ELECTRICAL ENERGY GENERATED (MWH)	793,075	1,906,447	82,389,464

DATE APRIL 15, 1992

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0	90.7	59.0
20. UNIT AVAILABILITY FACTOR	100.0	90.7	59.0
21. UNIT CAPACITY FACTOR (USING MDC NET)	103.0	84.3	52.6
22. UNIT CAPACITY FACTOR (USING DER NET)	100.1	82.0	51.1
23. UNIT FORCED OUTAGE RATE	0.0	0.6	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 APRIL 15, 1992

REPORT MONTH MARCH, 1992

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

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NO.	DATE	TYPE (1)	DURATION (HOURS) (2)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
3	920321	F	0.0	B	4	N/A	RB	CONROD	POWER REDUCTION - PERFORM ST 10-13 RX NOT SHUT DOWN
4	920327	F	116.0	A	1	2-92-05	ID	INSTRU	UNIT SHUT DOWN DUE TO REACTOR WATER LEVEL MISMATCH
			----- 116.0						

- |                             |   |  |   |
|-----------------------------|---|--|---|
| (1)                         | (2)   | (3)  | (4)   |
| F - FORCED<br>S - SCHEDULED | REASON<br>A - EQUIPMENT FAILURE (EXPLAIN)<br>B - MAINTENANCE OR TEST<br>C - REFUELING<br>D - REGULATORY RESTRICTION<br>E - OPERATOR TRAINING + LICENSE EXAMINATION<br>F - ADMINISTRATIVE<br>G - OPERATIONAL ERROR (EXPLAIN)<br>H - OTHER(EXPLAIN) | METHOD<br>1 - MANUAL<br>2 - MANUAL SCRAM.<br>3 - AUTOMATIC SCRAM.<br>4 - OTHER (EXPLAIN) | EXHIBIT G - INSTRUCTIONS<br>FOR PREPARATION OF DATA<br>ENTRY SHEETS FOR LICENSEE<br>EVENT REPORT (LER)<br>FILE (NUREG-0161)<br><br>(5)<br>EXHIBIT I - SAME SOURCE |

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 278

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DATE APRIL 15, 1992

REPORT MONTH MARCH, 1992

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NO.	DATE	TYPE (1)	DURATION (HOURS) (2)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE

- |  |  |  |   |
|--|--|--|---|
| <p>(1)</p> <p>F - FORCED<br/>S - SCHEDULED</p> | <p>(2)</p> <p>REASON<br/>A - EQUIPMENT FAILURE (EXPLAIN)<br/>B - MAINTENANCE CR TEST<br/>C - REFUELING<br/>D - REGULATORY RESTRICTION<br/>E - OPERATOR TRAINING + LICENSE EXAMINATION<br/>F - ADMINISTRATIVE<br/>G - OPERATIONAL ERROR (EXPLAIN)<br/>H - OTHER (EXPLAIN)</p> | <p>(3)</p> <p>METHOD<br/>1 - MANUAL<br/>2 - MANUAL SCRAM.<br/>3 - AUTOMATIC SCRAM.<br/>4 - OTHER (EXPLAIN)</p> | <p>(4)</p> <p>EXHIBIT G - INSTRUCTIONS<br/>FOR PREPARATION OF DATA<br/>ENTRY SHEETS FOR LICENSEE<br/>EVENT REPORT (LER)<br/>FILE (NUREG-0161)</p> <p>(5)</p> <p>EXHIBIT I - SAME SOURCE</p> |
|--|--|--|---|