



PEACH BOTTOM—THE POWER OF EXCELLENCE

D. B. Miller, Jr.  
Vice President

**PHILADELPHIA ELECTRIC COMPANY**

PEACH BOTTOM ATOMIC POWER STATION  
R. D. 1, Box 208  
Delta, Pennsylvania 17314  
(717) 456-7014

January 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 December 1991 forwarded pursuant to Technical Specification 6.9.1.d under the guidance of Regulatory Guide 10.1, Revision 4.

Sincerely,

DBM/AAF/TJN/<sup>RAM</sup>DRM/<sup>MJB</sup>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

CCI291.NRC

NRC Monthly Operations Summary  
Peach Bottom Atomic Power Station  
December 1991

UNIT 2

Unit 2 began the month at nominal 100% power. On December 5, a controlled shut down was started to begin a maintenance outage to repair leaks that were discovered in two RHR valves. The unit remained shut down to perform repairs and other maintenance until December 15 when startup began. On December 17, the "A" recirc pump alarmed on high oil level and was removed from service. The reactor vessel bottom head drain temperature subsequently dropped enough to require a shutdown. The recirc pump problem was resolved and startup began on December 19. 100% power was reached on December 21 and remained at that level for the rest of the month.

UNIT 3

Unit 3 was shut down for the entire month with refueling outage activities in progress. Startup is expected in early January 1992.

UNIT 2 REFUELING INFORMATION

1. Name of facility:

Peach Bottom Unit 2

2. Scheduled date for next refueling shutdown:

Reload 9 scheduled for September 7, 1992.

3. Scheduled date for restart following refueling:

Restart following refueling forecast for November 20, 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 - 76# Fuel Assemblies

(b) Fuel Pool - 3896 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 8 in progress

3. Scheduled date for restart following refueling

Restart following refueling scheduled for January 1, 1992

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

See item 6.

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

See item 6.

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:

Technical specification amendment on reactor vessel pressure temperature limits prior to startup for cycle 9 was approved 6/27/91. (Technical Specification Change Request 90-17)

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 - 1689 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 JANUARY 15, 1992

COMPANY PHILADELPHIA ELECTRIC COMPANY

M. J. BARON

SUPERVISOR

REPORTS GROUP

PEACH BOTTOM ATOMIC POWER STATION

TELEPHONE (717) 455-7014 EXT. 3321

MONTH DECEMBER 1991

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1066	17	0
2	1066	18	0
3	1065	19	0
4	1048	20	653
5	906	21	1002
6	6	22	1062
7	0	23	1066
8	0	24	1067
9	0	25	1067
10	0	26	1067
11	0	27	1067
12	0	28	1068
13	0	29	1067
14	0	30	1058
15	0	31	1058
16	0		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 278

UNIT PEACH BOTTOM UNIT 3

DATE JANUARY 15, 1992

COMPANY PHILADELPHIA ELECTRIC COMPANY

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MONTH DECEMBER 1991

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	0
9	0	25	0
10	0	26	0
11	0	27	0
12	0	28	0
13	0	29	0
14	0	30	0
15	0	31	0
16	0		



# OPERATING DATA REPORT

DOCKET NO. 50 - 277

DATE JANUARY 15, 1992

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

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REPORTS GROUP

PEACH BOTTOM ATOMIC POWER STATION

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## OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 2
2. REPORTING PERIOD: DECEMBER, 1991
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	8,760	153,336
12. NUMBER OF HOURS REACTOR WAS CRITICAL	471.6	5,553.3	92,254.0
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	414.3	5,252.4	88,837.5
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,302,768	16,122,696	262,539,729
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	433,200	5,280,300	86,288,590
18. NET ELECTRICAL ENERGY GENERATED (MWH)	416,063	5,062,587	82,617,233

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 277

DATE JANUARY 15, 1992

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	55.7	60.0	57.9
20. UNIT AVAILABILITY FACTOR	55.7	60.0	57.9
21. UNIT CAPACITY FACTOR (USING MDC NET)	53.0	54.8	51.1
22. UNIT CAPACITY FACTOR (USING DER NET)	52.5	54.3	50.6
23. UNIT FORCED OUTAGE RATE	44.3	18.1	14.6
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

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## OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 3
2. REPORTING PERIOD: DECEMBER, 1991
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	8,784	149,256
12. NUMBER OF HOURS REACTOR WAS CRITICAL	0	5,359.2	90,362.1
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	0.0	5,214.4	87,305.0
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	0	16,241,424	256,093,930
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	0	5,327,000	84,002,532
18. NET ELECTRICAL ENERGY GENERATED (MWH)	-5,902	5,103,097	80,479,769

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 278

DATE JANUARY 15, 1992

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	0.0	59.4	58.5
20. UNIT AVAILABILITY FACTOR	0.0	59.4	58.5
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	56.1	52.1
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	54.5	50.6
23. UNIT FORCED OUTAGE RATE	0.0	15.1	12.7
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 JANUARY 15, 1992

REPORT MONTH DECEMBER, 1991

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

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NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
23	911205	F	304.7	A	1	2-91-39	CF	VALVEX	REPAIR RHR VALVES
24	911218	F	25.0	H	1	N/A	CB	MOTORX	RECIRC PUMP HIGH OIL LEVEL
			----- 329.7						

(1)

(2)

(3)

(4)

F - FORCED  
S - SCHEDULED

REASON  
 A - EQUIPMENT FAILURE (EXPLAIN)  
 B - MAINTENANCE OR TEST  
 C - FUELING  
 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 JANUARY 15, 1992

REPORT MONTH DECEMBER, 1991

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NO.	DATE	TYPE (1)	DURATION (HOURS) (2)	REASON (3)	METHOD OF SHUTTING DOWN REACTOR (4)	LICENSEE EVENT REPORT #	SYSTEM CODE (5)	COMPONENT CODE (6)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
16	911201	S	744.0	C	1	N/A	ZZ	ZZZZZZ	PLANNED REFUELING OUTAGE
			----- 744.0						

(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)

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