

# PHILADELPHIA ELECTRIC COMPANY



PEACH BOTTOM ATOMIC POWER STATION

R.D. 1, Box 208

Delta, Pennsylvania 17314

(717) 456-7014

PEACH BOTTOM - THE POWER OF EXCELLENCE

D. B. Miller, Jr.  
Vice President

September 15, 1992

Docket Nos. 50-277  
50-276

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

Sincerely,

*[Signature]*  
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

CC: NRC

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PDR ADOCK 05000277  
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NRC Monthly Operations Summary  
Peach Bottom Atomic Power Station  
August 1992

UNIT 2

Unit 2 began the month at nominal 95% power with power levels restricted to 95% due to possible feedwater flow inaccuracies. Sodium injection testing results were evaluated and power was increased to nominal 99% on August 14. An automatic scram occurred on August 17 as a result of problems encountered during the blocking of breakers in the south switchyard. Unit 2 returned to nominal 99% power on August 20. Fuel coastdown began on August 22 and the fifth stage feedwater heaters were removed from service on August 28. Unit 2 ended the month at nominal 98% power with shutdown preparations for the refueling outage in progress.

UNIT 3

Unit 3 began the month at nominal 95% power with power levels restricted to 95% due to possible feedwater flow inaccuracies. Power was reduced on August 22 to correct some problems with some feedwater dump and drain valves. Following this maintenance, power was increased to nominal 98% based on sodium injection test results. Unit 3 continued to operate at this level until August 30, when power was reduced to 79% because of a minimum load generation alert from the load dispatcher. Unit 3 was returned to 98% power that same day and remained at that level for the rest of the month.

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 SEPTEMBER 15, 1992

COMPANY PHILADELPHIA ELECTRIC COMPANY

M. J. BARON

SUPERVISOR

REPORTS GROUP

PEACH BOTTOM ATOMIC POWER STATION

TELEPHONE (717) 456-7014 EXT. 3321

MONTH AUGUST 1992

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	967	17	299
2	980	18	0
3	981	19	370
4	975	20	992
5	984	21	1014
6	988	22	1018
7	985	23	1005
8	986	24	970
9	996	25	1018
10	989	26	1010
11	988	27	1001
12	980	28	994
13	984	29	1011
14	1014	30	1015
15	1023	31	1007
16	1015		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 278

UNIT PEACH BOTTOM UNIT 3

DATE SEPTEMBER 15, 1992

COMPANY PHILADELPHIA ELECTRIC COMPANY

M. J. BARON

SUPERVISOR

REPORTS GROUP

PEACH BOTTOM ATOMIC POWER STATION

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MONTH AUGUST 1992

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	988	17	988
2	992	18	987
3	988	19	1004
4	1000	20	971
5	983	21	987
6	991	22	950
7	989	23	1015
8	985	24	984
9	1000	25	1040
10	990	26	1036
11	987	27	1023
12	996	28	1016
13	983	29	1019
14	984	30	992
15	988	31	1020
16	984		



# OPERATING DATA REPORT

DOCKET NO. 50 - 277

DATE SEPTEMBER 15, 1992

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

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PEACH BOTTOM ATOMIC POWER STATION

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## OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 2
2. REPORTING PERIOD: AUGUST, 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	5,855	159,191
12. NUMBER OF HOURS REACTOR WAS CRITICAL	709.4	5,292.1	97,546.1
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	697.4	5,092.7	93,890.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,173,560	15,977,424	278,517,153
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	712,200	5,303,900	91,592,490
18. NET ELECTRICAL ENERGY GENERATED (MWH)	685,327	5,124,064	87,741,297

DATE SEPTEMBER 15, 1992

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	93.7	86.3	59.0
20. UNIT AVAILABILITY FACTOR	93.7	86.3	59.0
21. UNIT CAPACITY FACTOR (USING MDC NET)	87.3	83.0	52.2
22. UNIT CAPACITY FACTOR (USING DER NET)	86.5	82.2	51.8
23. UNIT FORCED OUTAGE RATE	6.3	13.7	14.6

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

Refueling, 9/12/92 start, 78 days

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 SEPTEMBER 15, 1992

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## OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 3

NOTES:

2. REPORTING PERIOD: AUGUST, 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

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	5,855	155,087
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	5,367.3	95,729.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	744.0	5,084.2	92,389.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,332,296	15,348,552	271,442,482
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	768,700	5,108,300	89,110,832
18. NET ELECTRICAL ENERGY GENERATED (MWH)	740,595	4,934,097	85,417,114

DATE SEPTEMBER 15, 1992

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0	86.8	59.6
20. UNIT AVAILABILITY FACTOR	100.0	86.8	59.6
21. UNIT CAPACITY FACTOR (USING MDC NET)	96.2	81.4	53.7
22. UNIT CAPACITY FACTOR (USING DER NET)	93.5	79.1	51.7
23. UNIT FORCED OUTAGE RATE	0.0	7.7	12.4
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 SEPTEMBER 15, 1992

REPORT MONTH AUGUST, 1992

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

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SUPERVISOR

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PEACH BOTTOM ATOMIC POWER STATION

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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
15	920817	F	46.6	H	3	2-92-15	EA	CKTBKR	REACTOR SCRAM - GENERATOR LOCKOUT CAUSED BY INCORRECT CLEARANCE-EVENT INVESTIGATION 2-92-322 IN PROGRESS
16	920828	S	0.0	B	4	NA	CH	HTEXCH	REMOVE FIFTH STAGE FW HEATER FROM SERVICE - REACTOR NOT SHUT DOWN
			46.6						

(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 3 - PEACH BOTTOM UNIT 3

DATE: SEP 15, 1992

REPORT MONTH AUGUST, 1992

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
20	920822	S	0.0	A	4	NA	CL	VALVEX	MAINTENANCE ON FEEDWATER HEATER DUMP AND DRAIN VALVES - REACTOR NOT SHUTDOWN
21	920830	F	0.0	A	4	NA	XX	XXXXXX	LOAD REDUCTION PER LOAD DISPATCHER REACTOR NOT SHUT DOWN  REACTOR WAS NOT SHUTDOWN

(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