

CCN # 92-14100

# 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

August 13, 1992

Docket Nos. 50-277  
50-278

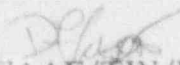
U.S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555

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 July 1992 forwarded pursuant to Technical Specification 1 under the guidance of Regulatory Guide 10.1, Revision 4.

Sincerely,

  
DBM/AAF/TJN/DRM/MJB:cmc

Enclosure

cc: R.A. Barricelli, 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  
July 1992

UNIT 2

Unit 2 began the month at nominal 95% power. Power levels are restricted to 95% due to possible feedwater flow inaccuracies. Sodium injection testing is continuing. On July 4 power was reduced briefly to 91% as a result of a scram and alert that occurred on Unit 3. Power was reduced to 82% on July 13 to allow for waterbox cleaning and repairs. Nominal 95% power was reached following repairs. On July 17 a lightning strike caused the main generator output breakers to open resulting in a turbine trip and reactor scram. Following restart, problems with the reactor water cleanup system resulted in an ESF actuation and reactor vessel temperature concerns and the unit was shut down for investigation and repairs. Startup resumed and the generator was synchronized on July 30. Unit 2 was operating at approximately 95% power at the end of the month.

UNIT 3

Unit 3 began the month at nominal 95% power. Power levels are restricted to 95% due to possible feedwater flow inaccuracies. On July 4 an automatic scram occurred and an alert was declared as a result of an electrical transient at the North Substation. The transient was the result of the failure of the #1 transformer. Unit 3 remained shut down until July 13 for maintenance and transformer oil spill cleanup. The generator was synchronized on July 13 but a scram occurred on July 14 after the malfunction of a steam jet air ejector steam flow controller and loss of condenser vacuum. Unit 3 remained shut down until annual maintenance to the E-2 diesel generator was completed. Startup and power ascension began on July 21. The "B" recirc pump tripped on July 22 causing a power runback and requiring adjustments to the pump logic circuitry. Power ascension continued after repairs with power limited to approximately 90% until TIP machine repairs were completed on July 30. Unit 3 ended the month at approximately 95% power.

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 with out 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 AUGUST 15, 1992

COMPANY PHILADELPHIA ELECTRIC COMPANY

M. J. BARON

SUPERVISOR

REPORTS GROUP

PEACH BOTTOM ATOMIC POWER STATION

TELEPHONE (717) 456-7014 EXT. 3321

MONTH JULY 1992

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	972	17	768
2	981	18	0
3	984	19	0
4	993	20	0
5	988	21	0
6	989	22	0
7	990	23	0
8	993	24	0
9	989	25	0
10	959	26	0
11	982	27	182
12	968	28	0
13	847	29	0
14	963	30	161
15	951	31	904
16	977		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 278

UNIT PEACH BOTTOM UNIT 3

DATE AUGUST 15, 1992

COMPANY PHILADELPHIA ELECTRIC COMPANY

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

TELEPHONE (717) 456-7014 EXT. 3321

MONTH JULY 1992

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	978	17	0
2	995		0
3	982	19	0
4	50	20	0
5	0	21	0
6	0	22	64
7	0	23	718
8	0	24	357
9	0	25	883
10	0	26	949
11	0	27	947
12	0	28	948
13	341	29	953
14	293	30	983
15	0	31	988
16	0		



OPERATING DATA REPORT

DOC I NO. 50 - 277

DATE AUGUST 15, 1992

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: JULY, 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 PL 'LOD	744	5,111	158,447
12. NUMBER OF HOURS REACTOR WAS CRITICAL	675.5	4,582.7	96,836.7
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	465.0	4,355.3	93,192.8
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,352,856	13,803,864	276,343,500
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	439,000	4,591,700	90,880,290
18. NET ELECTRICAL ENERGY GENERATED (MWH)	418,938	4,438,737	87,055,970

DATE AUGUST 15, 1992

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	62.5	85.2	58.8
20. UNIT AVAILABILITY FACTOR	62.5	85.2	58.8
21. UNIT CAPACITY FACTOR (USING MDC NET)	53.4	82.3	52.1
22. UNIT CAPACITY FACTOR (USING DER NET)	52.9	81.5	51.6
23. UNIT FORCED OUTAGE RATE	37.5	14.8	14.6

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

Refuel, 9/12/92 start, 80 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
100% CRITICALITY		09/16/73
INITIAL ELECTRICITY		02/18/74
COMMERCIAL OPERATION		07/05/74

OPERATING DATA REPORT

DOCKET NO. 50 - 278

DATE AUGUST 15, 1992

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: JULY, 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	5,111	154,343
12. NUMBER OF HOURS REACTOR WAS CRITICAL	412.2	4,623.3	94,985.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	331.8	4,340.2	91,645.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	849,120	13,016,256	269,110,186
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	286,700	4,339,600	88,342,132
18. NET ELECTRICAL ENERGY GENERATED (MWH)	270,786	4,193,502	84,676,519

DATE AUGUST 15, 1992

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	44.6	84.9	59.4
20. UNIT AVAILABILITY FACTOR	44.6	84.9	59.4
21. UNIT CAPACITY FACTOR (USING MDC NET)	35.2	79.5	53.0
22. UNIT CAPACITY FACTOR (USING DER NET)	34.2	77.0	51.5
23. UNIT FORCED OUTAGE RATE	55.4	8.9	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 AUGUST 15, 1992

REPORT MONTH JULY, 1992

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

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

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
12	920712	S	0.0	A	4	NA	HC	HTEXCH	POWER REDUCED FOR WATERBOX LEAK TESTING AND REPAIRS - REACTOR WAS NOT SHUT DOWN
13	920717	F	219.0	A	3	2-92-12	XX	XXXXXX	LIGHTNING STRIKE - AUTO SCRAM INITIATED BY TCV FAST CLOSURE ON LOAD IMBALANCE
14	920727	F	60.0	A	1	2-92-13	CB	PUMPXX	RECIRC PUMP TRIP AND VESSEL TEMPERATURE DIFFERENTIAL
			----- 279.0						

(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)

(4)  
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 BUTTOM UNIT 3

DATE AUGUST 15, 1992

REPORT MONTH JULY, 1992

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

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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
17	920704	F	218.7	A	3	2-92-10	EA	RELAYX	AUTO SCRAM - #1 TRANSFORMER FAILURE
18	920714	F	193.5	A	2	3-92-5	MB	HTEXCH	SJAE FLOW CONTROLLER FAILURE
19	920723	F	0.0	A	4	NA	CB	PUMPXX	"B" RECTRC PUMP TRIP REACTOR WAS NOT SHUTDOWN
			412.2						

(1)  
F - FORCED  
S - SCHEDULED

(2)  
REASON  
A - EQUIPMEN/ 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)

(4)  
EXHIBIT G - INSTRUCTIONS FOR PREPARATION OF DATA ENTRY SHEETS FOR LICENSEE EVENT REPORT (LER) FILE (NUREG-0161)

(5)  
EXHIBIT I - SAME SOURCE