



PEACH BOTTOM—THE POWER OF EXCELLENCE

PHILADELPHIA ELECTRIC COMPANY

PEACH BOTTOM ATOMIC POWER STATION

R. D. 1, Delta, PA 17314

Delta, Pennsylvania 17314

(717) 456-7014

D. B. Miller, Jr.
Vice President

October 10, 1991

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 September 1991 forwarded pursuant to Technical Specification 6.9.1.d under the guidance of Regulatory Guide 1.1, Revision 4.

Sincerely,

DBM
DBM/AAF/TN/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
J. Urban, Delmarva Power
INPO Records Center

CC991.NRC

9110150281 910930
PDR ADOCK 05000277
R PDR

JEH 1/1

NRC Monthly Operations Summary
Peach Bottom Atomic Power Station
September 1991

UNIT 2

Power levels remained at 100% until September 7 when power was reduced to repair the 2 "A" Recirc MG set and to clean and paint the "A" waterbox. Reductions in power were made at various times throughout the following week to support waterbox cleaning. Once the waterbox work was completed, power levels were maintained at nominal 100% for the remainder of September.

UNIT 3

Unit 3 began September in fuel coastdown, at approximately 93% power, with preparations for the refuel outage in progress. ESW flow balancing activities were performed during the week of September 8. The unit was shut down early on September 14 for its eighth refuel outage.

UNIT 2 REFUELING INFORMATION

1. Name of facility:

Peach Bottom Unit 2

2. Scheduled date for next refueling shutdown:

Reload 9 scheduled for September 5, 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 - 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.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 277

UNIT PEACH BOTTOM UNIT 2

DATE OCTOBER 15, 1991

COMPANY PHILADELPHIA ELECTRIC COMPANY

M. J. BARON

SUPERVISOR

REPORTS GROUP

PEACH BOTTOM ATOMIC POWER STATION

TELEPHONE (717) 456-7014 EXT. 3321

MONTH SEPTEMBER 1991

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1029	17	1045
2	1032	18	1047
3	1028	19	1044
4	1032	20	1049
5	1032	21	1047
6	1024	22	1051
7	1040	23	1053
8	817	24	1049
9	1028	25	1052
10	987	26	1050
11	915	27	1053
12	931	28	1055
13	1032	29	1054
14	1046	30	1057
15	1042		
16	1042		

OPERATING DATA REPORT

DOCKET NO. 50 - 277

DATE OCTOBER 15, 1991

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: SEPTEMBER, 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	720	6,551	151,127
12. NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	3,708.2	90,408.9
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	720.0	3,511.6	87,096.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,324,328	10,573,320	256,990,353
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	767,300	3,430,800	84,439,090
18. NET ELECTRICAL ENERGY GENERATED (MWH)	738,348	3,276,349	80,830,995

DATE OCTOBER 15, 1991

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0	53.6	57.6
20. UNIT AVAILABILITY FACTOR	100.0	53.6	57.6
21. UNIT CAPACITY FACTOR (USING MDC NET)	97.2	47.4	50.7
22. UNIT CAPACITY FACTOR (USING DER NET)	96.3	47.0	50.2
23. UNIT FORCED OUTAGE RATE	0.0	16.4	14.5

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

Mid-Cycle maintenance outage, beginning 01/25/92, 21 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

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 277

UNIT NAME PEACH BOTTOM UNIT 2

DATE OCTOBER 15, 1991

REPORT MONTH SEPTEMBER, 1991

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

M. J. BARON
SUPERVISOR
REPORTS GROUP
PEACH BOTTOM ATOMIC POWER STATION
TELEPHONE (717) 456-7014 EXT. 121

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
16	910908	S	0.0	B	4	N/A	CB	MOTORX	REBRUSH ZA MG SET REACTOR WAS NOT SHUT DOWN
17	910910	S	0.0	B	4	N/A	HC	HTEXCH	WATERBOX CLEANING REACTOR WAS NOT SHUT DOWN
18	910911	S	0.0	B	4	N/A	HC	HTEXCH	WATERBOX CLEANING REACTOR WAS NOT SHUT DOWN

(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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 278

UNIT PEACH BOTTOM UNIT 3

DATE OCTOBER 15, 1991

COMPANY PHILADELPHIA ELECTRIC COMPANY

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

TELEPHONE (717) 456-7014 EXT. 3321

MONTH SEPTEMBER 1991

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	937	17	0
2	936	18	0
3	932	19	0
4	932	20	0
5	927	21	0
6	916	22	0
7	932	23	0
8	912	24	0
9	903	25	0
10	907	26	0
11	894	27	0
12	906	28	0
13	771	29	0
14	0	30	0
15	0		
16	0		

UNIT 3 REFUELING INFORMATION

1. Name of facility:

Peach Bottom Unit 3

2. Scheduled date for next refueling shutdown:

Relor 18 in progress

3. Scheduled date for restart following refueling:

Restart following refueling scheduled for December 7, 1991

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, or 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.

OPERATING DATA REPORT

DOCKET NO. 50 - 278

DATE OCTOBER 15, 1991

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: SEPTEMBER, 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:

In 8th Refuel Outage

- 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	720	6,551	147,023
12. NUMBER OF HOURS REACTOR WAS CRITICAL	324.5	5,359.2	90,362.1
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	312.9	5,214.4	87,305.0
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	930,576	16,241,400	256,113,930
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	296,900	5,327,000	34,002,532
18. NET ELECTRICAL ENERGY GENERATED (MWH)	279,777	5,118,916	80,495,588

DATE OCTOBER 15, 1991

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	43.5	79.6	59.4
20. UNIT AVAILABILITY FACTOR	43.5	79.6	59.4
21. UNIT CAPACITY FACTOR (USING MDC NET)	37.5	75.5	52.9
22. UNIT CAPACITY FACTOR (USING DER NET)	36.5	73.4	51.4
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:

December 8, 1991

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 - 278

UNIT NAME PEACH BOTTOM UNIT 3

DATE OCTOBER 15, 1991

REPORT MONTH SEPTEMBER, 1991

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 (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
16	910913	S	407.1	C	1	N/A	22	ZZZZZZ	PLANNED REFUELING OUTAGE
			----- 407.1						

(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