

NRC Monthly Operations Summary  
Peach Bottom Atomic Power Station  
July, 1988

UNIT 2

The unit remained shut down with restart activities and emergency service water pipe replacement in progress. Activities in progress during the report period included 13kv bus work, Reactor Core Isolation Cooling overspeed trip testing, Emergency Cooling Tower pump rebuild, MOVATS modifications, and E-2 and E-4 diesel annual maintenance outages.

UNIT 3

The unit remained shut down with pipe replacement activities in progress. Activities in progress during the month included bottom head drain line installation, Reactor Water Cleanup pipe replacement, and turbine overhaul.

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UNIT 2 REFUELING INFORMATION

1. Name of facility:

Peach Bottom Unit 2

2. Scheduled date for next refueling shutdown:

Reload 7 completed.  
Reload 8 indeterminate due to Shutdown Order.

3. Scheduled date for restart following refueling:

Indeterminate due to Shutdown Order

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

Yes

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

- (1) Administrative changes to reload amendment
- (2) Reactor Water Level instrument range change

5. Scheduled date(s) for submitting proposed licensing action and supporting information:

- (1) submitted April 25, 1988
- (2) submitted October 13, 1987

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:

Refueling completed.

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 - 1734 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.

UNIT 2 REFUELING INFORMATION (Continued)

9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present capacity:

September, 1998 (September 1995, with reserve full core discharge)

UNIT 3 REFUELING INFORMATION

1. Name of facility:

Peach Bottom Unit 3

2. Scheduled date for next refueling shutdown:

Reload 7 in progress (Major Pipe Replacement Outage)

3. Scheduled date for restart following refueling

Indeterminate due to Shutdown Order

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

Yes.

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

Technical Specifications to accommodate reload fuel and revise reactor core operating limits. Revisions to reflect modification to the primary system piping and installation of the Alternate Rod Insertion system.

5. Scheduled date(s) for submitting proposed licensing action and supporting information:

Alternate Rod Insertion Amendment submitted June 12, 1987.  
Primary System Piping Amendment submitted March 21, 1988.  
Reload 7 License Amendment submitted July 7, 1988.

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:

None expected.

7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool:

(a) Core - 0 Fuel Assemblies (764 assemblies offloaded during outage)  
(b) Fuel Pool - 2260 Fuel Assemblies, 6 Fuel Rods

UNIT 3 REFUELING INFORMATION (Continued)

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. This modification began on February 20, 1987. The completion date for this modification has been rescheduled for February, 1989 to accommodate the Unit 3 pipe replacement outage.

9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present capacity:

March, 1993 (reserve full core discharge cannot be accommodated after the restart following the completion of the October, 1987 refueling outage until the completion of the new fuel racks) Installation of the new fuel racks will extend the projected date of the last refueling to September, 2000 (March, 1996, with reserve full core discharge)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 277

UNIT PEACH BOTTOM UNIT 2

DATE AUG 12, 1988

COMPANY PHILADELPHIA ELECTRIC COMPANY

L. L. MIDDLETON  
TECHNICAL ASSISTANT  
LICENSING SECTION  
NUCLEAR SUPPORT DEPARTMENT

TELEPHONE (215) 841-6374

MONTH JULY 1988

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		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 278

UNIT PEACH BOTTOM UNIT 3

DATE AUG 12, 1988

COMPANY PHILADELPHIA ELECTRIC COMPANY

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MONTH JULY 1988

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 AUG 12, 1988

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

L. L. MIDDLETON  
 TECHNICAL ASSISTANT  
 LICENSING SECTION  
 NUCLEAR SUPPORT DEPARTMENT  
 TELEPHONE (215) 841-6374

OPERATING STATUS

- |  |                                 |
|--|---------------------------------|
| 1. UNIT NAME: PEACH BOTTOM UNIT 2                | NOTES: UNIT 2 REMAINED SHUTDOWN |
| 2. REPORTING PERIOD: JULY, 1988                  | UNDER NRC ORDER WITH            |
| 3. LICENSED THERMAL POWER(MWT): 3293             | RESTART ACTIVITIES              |
| 4. NAMEPLATE RATING (GROSS MWE): 1152            | CONTINUING.                     |
| 5. DESIGN ELECTRICAL RATING (NET MWE): 1065      |                                 |
| 6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 1098 |                                 |
| 7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 1051   |                                 |
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	123,383
12. NUMBER OF HOURS REACTOR HAS CRITICAL	0	0	74,196.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	0.0	0.0	71,866.8
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	0	0	212,810,745
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	0	0	70,019,230
18. NET ELECTRICAL ENERGY GENERATED (MWH)	* -3,656	* -26,890	67,014,226



	-----		
	DATE	AUG 12, 1988	
	-----		
	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	0.0	0.0	58.2
20. UNIT AVAILABILITY FACTOR	0.0	0.0	58.2
21. UNIT CAPACITY FACTOR (USING MOC NET)	0.0	0.0	51.7
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	0.0	51.0
23. UNIT FORCED OUTAGE RATE	0.0	0.0	14.6
-----			
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			
REFUELING OUTAGE			

INDETERMINATE UNTIL SHUTDOWN ORDER IS SATISFIED.  
 25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:

INDETERMIANTE UNTIL SHUTDOWN ORDER IS SATISFIED.

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 AUG 12, 1988

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

L. L. MIDDLETON  
 TECHNICAL ASSISTANT  
 LICENSING SECTION  
 NUCLEAR SUPPORT DEPARTMENT  
 TELEPHONE (215) 841-6374

OPERATING STATUS

- |  |  |                                 |  |
|--|--|---------------------------------|--|
| 1. UNIT NAME: PEACH BOTTOM UNIT 3                |  | NOTES: UNIT 3 REMAINED SHUTDOWN |  |
| 2. REPORTING PERIOD: JULY, 1988                  |  | UNDER NRC ORDER WITH            |  |
| 3. LICENCED THERMAL POWER(MHT): 3293             |  | REFUEL AND PIPE REPLACEMENT     |  |
| 4. NAMEPLATE RATING (GROSS MWE): 1152            |  | IN PROGRESS.                    |  |
| 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	5,111	119,279
12. NUMBER OF HOURS REACTOR WAS CRITICAL	0	0	76,357.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	0.0	0.0	73,929.3
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	0	0	215,278,901
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	0	0	70,611,432
18. NET ELECTRICAL ENERGY GENERATED (MWH)	* -3,656	* -26,890	67,675,265

DATE AUG 12, 1988

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	0.0	0.0	62.0
20. UNIT AVAILABILITY FACTOR	0.0	0.0	62.0
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	0.0	54.8
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	0.0	53.3
23. UNIT FORCED OUTAGE RATE	0.0	0.0	13.3

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):  
 INDETERMINATE UNTIL NRC ORDER IS SATISFIED.

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

INDETERMINATE UNTIL SHUTDOWN ORDER IS SATISFIED.

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

SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 277

UNIT NAME PEACH BOTTOM UNIT 2

DATE AUG 12, 1988

REPORT MONTH JULY, 1988

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

L. L. MIDDLETON  
 TECHNICAL ASSISTANT  
 LICENSING SECTION  
 NUCLEAR SUPPORT DEPARTMENT  
 TELEPHONE (215) 841-6374

NO.	DATE	TYPE (1)	DURATION (HOURS) (2)	REASON (2)	METHOD OF SHUTTING DOWN (3)	LICENSEE EVENT REPORT #	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE
									ACTION TO PREVENT RECURRENCE
7	880701	S	744.0	C	1	N/A	RC	FUELXX	NRC REQUIRED SHUTDOWN.
			-----						
			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)

EXHIBIT I - SAME SOURCE

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 278

UNIT NAME PEACH BOTTOM UNIT 3

DATE AUG 12, 1988

REPORT MONTH JULY, 1988

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

L. L. MIDDLETON  
 TECHNICAL ASSISTANT  
 LICENSING SECTION  
 NUCLEAR SUPPORT DEPARTMENT  
 TELEPHONE (215) 841-6374

NO.	DATE	(1)	(HOURS)	(2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
7	880701	S	744.0	C	1	N/A	RC	FUELXX	PIPE REPLACEMENT 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)

EXHIBIT I - SAME SOURCE

PHILADELPHIA ELECTRIC COMPANY

2301 MARKET STREET  
P.O. BOX 8699  
PHILADELPHIA, PA. 19101  
(215) 841-4000

August 15, 1988

Docket Nos. 50-277  
50-278

Director  
Office of Inspection & Enforcement  
US Nuclear Regulatory Commission  
Washington, DC 20555

Attention: Document Control Desk

SUBJECT: Peach Bottom Atomic Power Station  
Monthly Operating Report

Gentlemen:

Attached are twelve copies of the monthly operating report for Peach Bottom Units 2 and 3 for the month of July, 1988 forwarded pursuant to Technical Specification 6.9.1.d under the guidance of Regulatory Guide 10.1, Revision 4.

Very truly yours,

*W. M. Alden*  
W. M. Alden  
Director  
Licensing Section  
Nuclear Support Division

Attachment

cc: W. T. Russell, Administrator, Region I, USNRC  
T. P. Johnson, USNRC Senior Resident Inspector  
S. P. Mangi, Dept. of Envir. Resources  
W. H. Lovelace, NRC (2 copies)  
R. E. Martin, NRC Project Manager  
Thomas Magette, Maryland Power Plant Siting  
INPO Records Center  
R. S. Brown - Delmarva Pwr. & Light G. A. Thomas  
J. Urban - Delmarva Pwr. & Light M. M. Harmon

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