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

UNIT 2

Unit 2 remained in the cold shutdown condition throughout the report period, with restart and maintenance activities in progress. Major activities in progress throughout the month consisted of Emergency Service Water piping replacement and MOVATs modification of 121 motor operated valves.

UNIT 3

Unit 3 remained shut down with the core offloaded as the Reactor Recirculation and Residual Heat Removal (RHR) systems piping replacement continued. As of the end of the report period, all ten of the Reactor Recirculation inlet (N-2) safe ends were replaced and the Reactor Recirculation and RHR piping replacement was approximately 55% completed.

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Docket No. 50-277
Attachment to
Monthly Operating
Report for April, 1988

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)

Docket No. 50-278
Attachment to
Monthly Operating
Report for April, 1988

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:

   Reload 7 License Amendment to be submitted June 13, 1988.
   Primary System Piping Amendment submitted March 21, 1988.
   Alternate Rod Insertion Amendment submitted June 12, 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:

   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 MAY 13, 1988

COMPANY PHILADELPHIA ELECTRIC COMPANY

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

TELEPHONE (215) 841-6374

MONTH APRIL 1988

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	0	17	0
2	[illegible]	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		
16	0		

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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 278

UNIT PEACH BOTTOM UNIT 3

DATE MAY 13, 1988

COMPANY PHILADELPHIA ELECTRIC COMPANY

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

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MONTH APRIL 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		
16	0		

OPERATING DATA REPORT

DOCKET NO. 50 - 277

DATE MAY 13, 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
2. REPORTING PERIOD: APRIL, 1988
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): 1051

NOTES: UNIT 2 REMAINED SHUTDOWN UNDER NRC ORDER WITH RESTART ACTIVITIES CONTINUING.

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	2,904	121,176
12. NUMBER OF HOURS REACTOR WAS 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)	* -3,582	* -16,709	67,024,407

DATE MAY 13, 1988

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	0.0	0.0	59.3
20. UNIT AVAILABILITY FACTOR	0.0	0.0	59.3
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	0.0	52.6
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	0.0	51.9
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

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:
Indeterminate as a result of Shutdown Order.

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

* - NEGATIVE VALUE REPORTED FOR CONSISTENCY WITH FEDERAL ENERGY REGULATORY COMMISSION REPORTS.

OPERATING DATA REPORT

DOCKET NO. 50 - 278

DATE MAY 13, 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
2. REPORTING PERIOD: APRIL, 1988
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: UNIT 3 REMAINED SHUTDOWN UNDER NRC ORDER WITH REFUEL AND PIPE REPLACEMENT IN PROGRESS.

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	2,9[illegible]	117,0[illegible]
12. NUMBER OF HOURS REACTOR WAS CRITICAL	0	0	76,35[illegible].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)	* -3,582	* -14,709	67,685,446

DATE MAY 13, 1988

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	0.0	0.0	63.1
20. UNIT AVAILABILITY FACTOR	0.0	0.0	63.1
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	0.0	55.9
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	0.0	54.3
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 as a result of Shutdown Order.

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 MAY 13, 1988

REPORT MONTH APRIL, 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)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
7	880401	S	720.0	C	1	N/A	RC	FUELXX	NRC REQUIRED SHUTDOWN.

			720.0						

(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 BOTTOM UNIT 3

DATE MAY 13, 1988

REPORT MONTH APRIL, 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)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
7	880401	S	720.0	C	1	N/A	RC	FUELXX	PIPE REPLACEMENT OUTAGE.

			720.0						

(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

PHILADELPHIA ELECTRIC COMPANY

2301 MARKET STREET

P.O. BOX 8699

PHILADELPHIA, PA. 19101

(215) 841-4000

May 16, 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 April, 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
P. A. Ross, NRC (2 copies)
R. E. Martin, NRC Project Manager
Thomas Magette, Maryland Power Plant Siting
INPO Records Center

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