CCN 93-14071

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

May 14, 1993

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 April 1993 forwarded pursuant to Technical Specification 6.9.1.d under the guidance of Regulatory Guide 10.1, Revision 4.

Sincerely,

DBM/AJW/GHG/GDE/MSH:mss

Enclosure

cc: R.A. Burricelli, Public Service Electric & Gas
W.P. Dornsife, 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
April 1993

UNIT 2

Unit 2 began the month at nominal 100% power. On April 23, operators reduced load to facilitate repair of the "A" and "B" recirc pumps, the turbine stop and control valves, and the "B" and "C" outboard MSIVs. After reduction to 31% power, a divergence between the "A" and "B" wide range level instruments caused Operations to place Unit 2 in cold shutdown per Tech Spec. Troubleshooting determined the problem to be with the "A" level transmitter block valve. The block valve assembly was replaced and startup began on April 27. Power ascension allowed for repairs to the "B" feedpump and Unit 2 reached 100% power on April 30.

UNIT 3

Unit 3 began the month at nominal 100% power. On April 3, power was reduced to approximately 550 MWe for condenser waterbox cleaning. Unit 3 returned to nominal 100% power on April 5 and maintained that level for the rest of the month.

Docket No. 50-277
Attachment to
Monthly Operating
Report for April 1993

UNIT 2 REFUELING INFORMATION

1. Name of facility:

   Peach Bottom Unit 2

2. Scheduled date for next refueling shutdown:

   Reload 10 scheduled for September 10, 1994.

3. Scheduled date for restart following refueling:

   Restart following refueling forecast for December 8, 1994.

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 - 2164 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.

Docket No. 50-278
Attachment to
Monthly Operating
Report for April 1993

UNIT 3 REFUELING INFORMATION

1. Name of facility:

   Peach Bottom Unit 3

2. Scheduled date for next refueling shutdown:

   Reload 9 scheduled for September 11, 1993

3. Scheduled date for restart following refueling

   Restart following refueling scheduled for November 14, 1993

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?

   92-19 Change safety limit MCPR for Cycle 10
   92-13 CAD analyzer replacement
   93-01 ARTS/MELLA
   93-02 Recirc pump trip for ATWS at end-of-cycle
   93-06 Drywell Rad Monitors

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

   92-19 Submitted February 1993
   92-13 Submitted February 1993
   93-01 Submitted April 1993
   93-02 Scheduled for June 1993
   93-06 Scheduled for June 1993

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 MAY 15, 1993
COMPANY PHILADELPHIA ELECTRIC COMPANY

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

TELEPHONE (717) 456-7014 EXT. 3321

MONTH APRIL 1993

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1067	17	1071
2	1071	18	1062
3	1071	19	1063
4	1026	20	1064
5	1070	21	1064
6	1071	22	1064
7	1071	23	941
8	1066	24	287
9	1070	25	0
10	1071	26	0
11	1063	27	0
12	1071	28	60
13	1071	29	248
14	1071	30	898
15	1071		
16	1063		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 278
UNIT PEACH BOTTOM UNIT 3
DATE MAY 15, 1993
COMPANY PHILADELPHIA ELECTRIC COMPANY

M. J. BARON
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MONTH APRIL 1993

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1049	17	1044
2	996	18	1055
3	641	19	1056
4	958	20	1057
5	1053	21	1053
6	1044	22	1052
7	1058	23	1047
8	1042	24	1054
9	1066	25	1045
10	1050	26	1049
11	1050	27	1045
12	1053	28	1053
13	1053	29	1051
14	1054	30	1052
15	1041		
16	1053		

OPERATING DATA REPORT

DOCKET NO. 50 - 277
DATE MAY 15, 1993
COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

M. J. BARON
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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: APRIL, 1993
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	719	2,879	164,999
12. NUMBER OF HOURS REACTOR WAS CRITICAL	661.2	2,255.0	100,639.1
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	638.0	2,098.0	96,747.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,928,645	6,518,976	286,888,720
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	640,600	2,147,400	94,319,790
18. NET ELECTRICAL ENERGY GENERATED (MWH)	620,230	2,082,027	90,368,746

DATE MAY 15, 1993

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	88.7	72.9	58.6
20. UNIT AVAILABILITY FACTOR	88.7	72.9	58.6
21. UNIT CAPACITY FACTOR (USING MDC NET)	81.8	68.5	51.9
22. UNIT CAPACITY FACTOR (USING DER NET)	81.0	67.9	51.4
23. UNIT FORCED OUTAGE RATE	11.3	9.3	14.4

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		09/16/73
INITIAL ELECTRICITY		02/18/74
COMMERCIAL OPERATION		07/05/74

OPERATING DATA REPORT

DOCKET NO. 50 - 278

DATE MAY 15, 1993

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

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OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 3
2. REPORTING PERIOD: APRIL, 1993
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	719	2,879	160,895
12. NUMBER OF HOURS REACTOR WAS CRITICAL	719.0	2,779.0	100,837.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	719.0	2,760.0	97,457.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,315,717	8,798,297	287,379,507
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	763,100	2,888,300	94,328,432
18. NET ELECTRICAL ENERGY GENERATED (MWH)	743,398	2,805,044	90,469,010

DATE MAY 15, 1993

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0	95.9	60.6
20. UNIT AVAILABILITY FACTOR	100.0	95.9	60.6
21. UNIT CAPACITY FACTOR (USING MDC NET)	99.9	94.1	54.3
22. UNIT CAPACITY FACTOR (USING DER NET)	97.1	91.5	52.8
23. UNIT FORCED OUTAGE RATE	0.0	4.1	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 MAY 15, 1993

REPORT MONTH APRIL, 1993

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
11	930423	S	28.0	H	4	N/A	CB	INSTRU	REPAIR MG SET KNUCKLES REACTOR NOT SHUTDOWN
12	930424	F	81.0	A	1	2-93-10	ID	INSTRU	REACTOR LEVEL INSTRUMENT MISMATCH
			109.0						

(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 15, 1993

REPORT MONTH APRIL, 1993

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
11	930402	S	41.0	H	4	N/A	HF	HTEXCH	WATERBOX CLEANING REACTOR NOT SHUT DOWN
			41.0						

(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