



**PECO NUCLEAR**

A Unit of PECO Energy

PECO Energy Company  
1848 Lay Road  
Delta, PA 17314-9032  
717 456 7014

June 6, 1996

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

Docket Nos. 50-277 and 50-278

Gentlemen:

Enclosed is the monthly operating report for Peach Bottom Units 2 and 3 for the month of May 1996 forwarded pursuant to Technical Specification 5.6.4 under the guidance of Regulatory Guide 10.1, Revision 4.

Sincerely,

Mark E. Warner  
Director, Site Engineering  
Peach Bottom Atomic Power Station

<sup>0256-26-H</sup>  
MEW/JGH:lpb

Enclosures

cc: B.W. Gorman, Public Service Electric & Gas  
W.P. Dornsife, Commonwealth of Pennsylvania  
R.I. McLean, State of Maryland  
T.T. Martin, Administrator, Region I, USNRC  
W.L. Schmidt, USNRC, Senior Resident Inspector  
H.C. Schwemm, Atlantic Electric  
A.F. Kirby, III, Delmarva Power & Light  
INPO Records Center

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PEACH BOTTOM ATOMIC POWER STATION  
NRC MONTHLY OPERATIONS SUMMARY

May 1996

UNIT 2

During May the unit was at a lower power and lower efficiency due to coastdown. Unit 2 began the month at 94% power. On 5/9/96, the unit experienced losses due to turbine control #2 valve oscillations. Unit 2 Net Generation for May was 705,664 MWH.

UNIT 3

Unit 3 began the month of May at 100% power. Unit 3 losses were minimal during the month. The losses included a load drop for A1&2 waterbox cleaning and rod pattern adjustment on 5/3/96 - 5/4/96. The unit remained at 100% power for the rest of the month until a load drop late on 5/31/96 began. The load drop commenced in order to work on: cleaning the MG set lube oil cooler and replacing the brushes, waterbox cleaning, 3B Reactor Feed Pump, rod pattern adjustments, and MSIV testing. Unit 3 Net Generation for May was 819,640 MWH.

UNIT 2 REFUELING INFORMATION

1. Name of facility:

Peach Bottom Unit 2

2. Scheduled date for next refueling shutdown:

Reload 11 scheduled for September 13, 1996.

3. Scheduled date for restart following refueling:

Restart following refueling forecast for October 12, 1996.

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

Yes.

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

1. 10CFR50 Appendix J, Option B
2. Increase MCPR Value

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

Items 1 and 2 have been submitted for review and approval.

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:

GE-13 Fuel Product Line will be utilized requiring a Tech Spec amendment.

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 - 2436 Fuel Assemblies, 52 Fuel Rods

**UNIT 2 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.

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

September 2002 without full core offload capability.

September 1998 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 11 scheduled for September 12, 1997
3. Scheduled date for restart following refueling  

Restart following refueling scheduled for October 11, 1997
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?  

N/A

If answer is yes, what, in general, will these be?
5. Scheduled date(s) for submitting proposed licensing action and supporting information:
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
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 - 2485 Fuel Assemblies, 16 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 3 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 2003 without full core offload capability.

September 1999 with full core offload capability.

# AVERAGE DAILY POWER LEVEL

DOCKET NO. 50 - 277  
 UNIT PEACH BOTTOM UNIT 2  
 DATE JUNE 13, 1996  
 COMPANY PECO ENERGY COMPANY  
 L. P. HYDRICK  
 BUSINESS SERVICES  
 SITE SUPPORT DIVISION  
 PEACH BOTTOM ATOMIC POWER STATION  
 TELEPHONE (717) 456-4383

MONTH MAY, 1996

DAY AVERAGE DAILY POWER LEVEL  
 (MWE-NET)

1	1028
2	1028
3	1012
4	1012
5	987
6	1004
7	995
8	991
9	972
10	904
11	977
12	967
13	966
14	973
15	961
16	965

DAY AVERAGE DAILY POWER LEVEL  
 (MWE-NET)

17	957
18	912
19	953
20	940
21	931
22	932
23	918
24	913
25	908
26	860
27	872
28	897
29	893
30	904
31	872

# AVERAGE DAILY POWER LEVEL

DOCKET NO. 50 - 278  
 UNIT PEACH BOTTOM UNIT 3  
 DATE JUNE 13, 1996  
 COMPANY PECO ENERGY COMPANY  
 L. P. HYDRICK  
 BUSINESS SERVICES  
 SITE SUPPORT DIVISION  
 PEACH BOTTOM ATOMIC POWER STATION  
 TELEPHONE (717) 456-4383

MONTH MAY, 1996

DAY AVERAGE DAILY POWER LEVEL  
(MWE-NET)

1	1106
2	1114
3	1073
4	922
5	1109
6	1109
7	1104
8	1104
9	1110
10	1102
11	1106
12	1109
13	1100
14	1120
15	1103
16	1116

DAY AVERAGE DAILY POWER LEVEL  
(MWE-NET)

17	1116
18	1116
19	1116
20	1111
21	1116
22	1112
23	1106
24	1110
25	1105
26	1105
27	1109
28	1111
29	1102
30	1125
31	1086



# OPERATING DATA REPORT

DOCKET NO. 50 - 277  
 DATE JUNE 13, 1996  
 COMPLETED BY PECO ENERGY COMPANY  
 L. P. HYDRICK  
 BUSINESS SERVICES  
 SITE SUPPORT DIVISION  
 PEACH BOTTOM ATOMIC POWER STATION  
 TELEPHONE (717) 456-4383

## OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 2  
 2. REPORTING PERIOD: MAY, 1996  
 3. LICENSED THERMAL POWER(MWT): 3458  
 4. NAMEPLATE RATING (GROSS MWE): 1221  
 5. DESIGN ELECTRICAL RATING (NET MWE): 1119  
 6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 1159  
 7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 1093  
 8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS:

NOTES:

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	3,647	192,047
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	3,647.0	126,242.5
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	744.0	3,647.0	122,248.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,263,133	12,075,058	369,651,101
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	733,500	3,984,900	121,524,690
18. NET ELECTRICAL ENERGY GENERATED (MWH)	705,664	3,865,571	116,671,466

# OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 277

DATE JUNE 13, 1996

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0 %	100.0 %	63.7 %
20. UNIT AVAILABILITY FACTOR	100.0 %	100.0 %	63.7 %
21. UNIT CAPACITY FACTOR (USING MDC NET)	86.8 %	97.0 %	57.5 %
22. UNIT CAPACITY FACTOR (USING DER NET)	84.8 %	94.7 %	56.7 %
23. UNIT FORCED OUTAGE RATE	.0 %	.0 %	11.9 %
24. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH):			
Refueling outage schedule to begin 9/13/96, Duration 37 days			
25. IF SHUTDOWN AT THE END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:			
26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATIONS):	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 JUNE 13, 1996  
 COMPLETED BY PECO ENERGY COMPANY  
 L. P. HYDRICK  
 BUSINESS SERVICES  
 SITE SUPPORT DIVISION  
 PEACH BOTTOM ATOMIC POWER STATION  
 TELEPHONE (717) 456-4383

## OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 3  
 2. REPORTING PERIOD: MAY, 1996  
 3. LICENSED THERMAL POWER(MWT): 3458  
 4. NAMEPLATE RATING (GROSS MWE): 1221  
 5. DESIGN ELECTRICAL RATING (NET MWE): 1119  
 6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 1159  
 7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 1093  
 8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS:

NOTES:

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	3,647	187,943
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	3,647.0	124,934.2
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	744.0	3,597.0	121,405.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,556,696	12,283,705	361,970,163
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	846,800	4,066,000	118,685,432
18. NET ELECTRICAL ENERGY GENERATED (MWH)	819,640	3,955,887	113,969,739

# OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 278

DATE JUNE 13, 1996

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0 %	98.6 %	64.6 %
20. UNIT AVAILABILITY FACTOR	100.0 %	98.6 %	64.6 %
21. UNIT CAPACITY FACTOR (USING MDC NET)	100.8 %	99.2 %	58.4 %
22. UNIT CAPACITY FACTOR (USING DER NET)	98.5 %	96.9 %	56.8 %
23. UNIT FORCED OUTAGE RATE	.0 %	1.4 %	10.8 %

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

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

26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATIONS):

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 JUNE 13, 1996  
 COMPLETED BY PECO ENERGY COMPANY  
 L. P. HYDRICK  
 BUSINESS SERVICES  
 SITE SUPPORT DIVISION  
 PEACH BOTTOM ATOMIC POWER STATION  
 TELEPHONE (717) 456-4383

REPORT MONTH MAY, 1996

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
14	960505	F	9.0	H	4		ZZ	ZZZZZZ	MIN GENERATION REQUEST FROM LOAD DISPATCHER
15	960509	F	9.0	H	4		CC	VALVEX	TURBINE CONTROL VALVES OSCILLATIONS
16	960518	F	12.0	H	4		ZZ	ZZZZZZ	MINIMUM GENERATION REQUEST FROM LOAD DISPATCHER
17	960526	F	10.0	H	4		ZZ	ZZZZZZ	MINIMUM GENERATION REQUEST FROM LOAD DISPATCHER
18	960527	F	12.0	H	4		ZZ	ZZZZZZ	MINIMUM GENERATION REQUEST FROM LOAD DISPATCHER
TOTAL HOURS			52.0						

(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 JUNE 13, 1996  
 COMPLETED BY PECO ENERGY COMPANY  
 L. P. HYDRICK  
 BUSINESS SERVICES  
 SITE SUPPORT DIVISION  
 PEACH BOTTOM ATOMIC POWER STATION  
 TELEPHONE (717) 456 4383

REPORT MONTH MAY, 1996

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
12	960503	S	22.0	B	4		HC	XXXXXX	WATER BOX CLEANING AND ROD PATTERN ADJUSTMENT
13	960531	S	1.0	B	4		CD	VALVEX	MSIV TESTING, MG SET MAINT., RFP MAINT.
TOTAL HOURS			23.0						

(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