



PECO ENERGY

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December 15, 1995

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

Docket Nos. 50-277 and 50-278

Gentlemen:

Enclosed are twelve copies of the monthly operating report for Peach Bottom Units 2 and 3 for the month of November 1995 forwarded pursuant to Technical Specification 6.9.1.d under the guidance of Regulatory Guide 10.1, Revision 4.

Sincerely,

Gerald R. Rainey  
Vice President,  
Peach Bottom Atomic Power Station

*WY/GH JGH*  
GRR/TNM/JGH:lpb

enclosures

cc: R.A. Burricelli, 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  
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PEACH BOTTOM ATOMIC POWER STATION  
NRC MONTHLY OPERATIONS SUMMARY  
November 1995

UNIT 2

Unit 2 began the month of November at approximately 95% power. Operation remained at this level until an evaluation allowed power to be raised to 100% midday on November 7. On November 10, power was reduced 600MW for a rod pattern adjustment. On November 11, while increasing power from the rod pattern adjustment, power was held at approximately 750MW to troubleshoot vibration of the "A" reactor feed pump. Unit power returned to 100% and was subsequently reduced to 95% on November 20 to reduce vibration on the "A" reactor feed pump. Power remained at 95% for the rest of the month.

UNIT 3

Unit 3 began the month of November at 100% power. Unit 3 operated at that level until November 6 when a drop in power was experienced during 13 KV bus troubleshooting. Power was returned to 100% the same day and remained at that level for the rest of the month.

UNIT 2 REFUELING INFORMATION

1. Name of facility:

Peach Bottom Unit 2

2. Scheduled date for next refueling shutdown:

Reload 11 scheduled for September 15, 1996.

3. Scheduled date for restart following refueling:

Restart following refueling forecast for October 20, 1996.

4. Will refueling or resumption of operation therefore 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:

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

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, 59 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 2004 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 15, 1997

3. Scheduled date for restart following refueling

Restart following refueling scheduled for October 20, 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 - 2201 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.

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 UNIT POWER LEVEL

DOCKET NO. 50 - 277

UNIT PEACH BOTTOM UNIT 2

DATE DECEMBER 15, 1995

COMPANY PECO ENERGY COMPANY

L. P. HYDRICK  
BUSINESS SERVICES  
SITE SUPPORT DIVISION  
PEACH BOTTOM ATOMIC POWER STATION

TELEPHONE (717) 456-4383

MONTH NOVEMBER 1995

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1039	17	1107
2	1041	18	1094
3	1029	19	1107
4	1046	20	1062
5	1041	21	1042
6	1037	22	1042
7	1058	23	1050
8	1094	24	1042
9	1085	25	1042
10	1065	26	1038
11	789	27	1042
12	985	28	1034
13	1101	29	1041
14	1096	30	1034
15	1097		
16	1098		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 278

UNIT PEACH BOTTOM UNIT 3

DATE DECEMBER 15, 1995

COMPANY PECO ENERGY COMPANY

L. P. HYDRICK  
BUSINESS SERVICES  
SITE SUPPORT DIVISION  
PEACH BOTTOM ATOMIC POWER STATION

TELEPHONE (717) 456-4383

MONTH NOVEMBER 1995

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1117	17	1131
2	1099	18	1114
3	1113	19	1126
4	1112	20	1110
5	1125	21	1119
6	932	22	1118
7	1084	23	1126
8	1119	24	1122
9	1115	25	1122
10	1112	26	1118
11	1125	27	1122
12	1109	28	1114
13	1120	29	1126
14	1124	30	1118
15	1120		
16	1121		



# OPERATING DATA REPORT

DOCKET NO. 50 - 277

DATE DECEMBER 15, 1995

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: NOVEMBER, 1995  
-----  
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  
-----

## 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	8,016	187,656
12. NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	8,016.0	121,979.1
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	720.0	8,016.0	118,019.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,382,922	27,329,402	355,650,285
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	778,100	9,022,400	116,901,790
18. NET ELECTRICAL ENERGY GENERATED (MWH)	755,502	8,743,645	112,186,101

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 DATE DECEMBER 15, 1995  
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	THIS MONTH	VR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0	100.0	62.9
20. UNIT AVAILABILITY FACTOR	100.0	100.0	62.9
21. UNIT CAPACITY FACTOR (USING MDC NET)	96.0	99.8	56.7
22. UNIT CAPACITY FACTOR (USING DER NET)	93.8	97.5	55.9
23. UNIT FORCED OUTAGE RATE	0.0	0.0	12.3
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 - 279

DATE DECEMBER 15, 1995

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: NOVEMBER, 1995
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 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:

## NOTES:

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	720	8,016	183,552
12. NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	7,298.5	120,557.9
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	720.0	7,284.0	117,163.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,471,160	20,968,885	347,542,828
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	821,900	6,759,500	113,905,532
18. NET ELECTRICAL ENERGY GENERATED (MWH)	800,042	6,478,200	109,319,559

-----  
 DATE DECEMBER 15, 1995  
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	THIS MONTH	VR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0	90.9	63.8
20. UNIT AVAILABILITY FACTOR	100.0	90.9	63.8
21. UNIT CAPACITY FACTOR (USING MDC NET)	101.7	77.4	57.5
22. UNIT CAPACITY FACTOR (USING DER NET)	99.3	75.3	55.9
23. UNIT FORCED OUTAGE RATE	0.0	2.0	11.0
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 DECEMBER 15, 1995

REPORT MONTH NOVEMBER, 1995

COMPLETED BY PECO ENERGY COMPANY

L. P. HYDRICK  
BUSINESS SERVICES  
SITE SUPPORT DIVISION  
PEACH BOTTOM ATOMIC POWER STATION  
TELEPHONE (717) 456-4383

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
13	951111	F	11.0 ----- 11.0	H	4		CH	PUMPEX	REACTOR FEED PUMP VIBRATION REACTOR NOT SHUT DOWN

(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 DECEMBER 15, 1995

REPORT MONTH NOVEMBER, 1995

COMPLETED BY PECO ENERGY COMPANY

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TELEPHONE (717) 456-4383

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	951106	F	9.0	H	4		EB	INSTRU	13 KV BUS TROUBLESHOOTING REACTOR NOT SHUT DOWN
			9.0						

(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