



PECO ENERGY

Gerald R. Rainey  
Vice President  
Peach Bottom Atomic Power Station

PECO Energy Company  
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717 456 7014

October 11, 1994

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

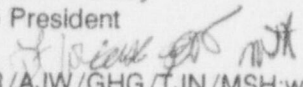
Docket Nos. 50-277 and 50-278

Gentlemen:

Enclosed are twelve copies of the monthly operating report for Peach Bottom Units 2 and 3 for the month of September 1994 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

  
GRR/AJW/GHG/TJN/MSH:wjj

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  
INPO Records Center

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PEACH BOTTOM ATOMIC POWER STATION  
NRC MONTHLY OPERATIONS SUMMARY  
SEPTEMBER 1994

UNIT 2

Unit 2 began the month of September at a nominal 64% power in the fuel coastdown mode. The unit operated in the fuel coastdown until the 10th when power was reduced to perform flux tilt testing. The unit was returned to power on the 13th and operated in the fuel coastdown mode until September 16th at 19:00 hours when shutdown for the 10th refueling outage began. Unit 2 is currently shutdown in the middle of 2R10.

UNIT 3

Unit 3 began the month of September at nominal 100% power. The Unit operated at that power level until the 5th when power was reduced due to a request for minimum generation from the load dispatcher. The Unit was returned to 100% later the same day and operated at that level until the 6th when power was reduced again due to load dispatcher request. The Unit returned to 100% nominal power later on the 6th and operated at that level for the remainder of September.

UNIT 2 REFUELING INFORMATION

1. Name of facility:

Peach Bottom Unit 2

2. Scheduled date for next refueling shutdown:

Reload 10 scheduled for September 17, 1994.

3. Scheduled date for restart following refueling:

Restart following refueling forecast for November 4, 1994.

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?

93-12 Power Rerate

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

93-12 Submitted 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

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



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 10 scheduled for September 11, 1995

3. Scheduled date for restart following refueling

Restart following refueling scheduled for November 13, 1995

4. Will refueling or resumption of operation thereafter 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

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 1997 with full core offload capability.



AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 277

UNIT PEACH BOTTOM UNIT 2

DATE OCTOBER 11, 1994

COMPANY PECO ENERGY COMPANY

W. J. JEFFREY  
PERFORMANCE AND RELIABILITY  
SITE ENGINEERING  
PEACH BOTTOM ATOMIC POWER STATION

TELEPHONE (717) 456-7014 EXT. 4027

MONTH SEPTEMBER 1994

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	690	17	0
2	689	18	0
3	687	19	0
4	685	20	0
5	672	21	0
6	667	22	0
7	663	23	0
8	663	24	0
9	659	25	0
10	442	26	0
11	454	27	0
12	519	28	0
13	689	29	0
14	648	30	0
15	648		
16	459		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 278

UNIT PEACH BOTTOM UNIT 3

DATE OCTOBER 11, 1994

COMPANY PECO ENERGY COMPANY

W. J. JEFFREY  
PERFORMANCE AND RELIABILITY  
SITE ENGINEERING  
PEACH BOTTOM ATOMIC POWER STATION

TELEPHONE (717) 456-7014 EXT. 4027

MONTH SEPTEMBER 1994

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1043	17	1048
2	1047	18	1042
3	1048	19	1047
4	1049	20	1048
5	1028	21	1051
6	1035	22	1046
7	1039	23	1046
8	1040	24	1043
9	1044	25	1048
10	1043	26	1057
11	1058	27	1040
12	1050	28	1053
13	1048	29	1057
14	1048	30	1060
15	1052		
16	1043		



# OPERATING DATA REPORT

DOCKET NO. 50 - 277

DATE OCTOBER 11, 1994

COMPLETED BY PECO ENERGY COMPANY

W. J. JEFFREY  
PERFORMANCE AND RELIABILITY  
SITE ENGINEERING  
PEACH BOTTOM ATOMIC POWER STATION  
TELEPHONE (717) 456-7014 EXT. 4027

## OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 2
2. REPORTING PERIOD: SEPTEMBER, 1994
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:

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	6,551	177,431
12. NUMBER OF HOURS REACTOR WAS CRITICAL	379.0	6,105.0	112,217.1
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	379.0	6,089.0	108,309.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	847,222	18,261,122	322,750,615
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	252,400	5,875,000	106,026,490
18. NET ELECTRICAL ENERGY GENERATED (MWH)	236,460	5,656,074	101,646,876

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DATE OCTOBER 11, 1994  
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	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	52.6	92.9	61.0
20. UNIT AVAILABILITY FACTOR	52.6	92.9	61.0
21. UNIT CAPACITY FACTOR (USING MDC NET)	31.2	82.1	54.5
22. UNIT CAPACITY FACTOR (USING DER NET)	30.8	81.1	53.8
23. UNIT FORCED OUTAGE RATE	0.0	1.9	13.3

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: 10/31/94

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 OCTOBER 11, 1994

COMPLETED BY PECO ENERGY COMPANY

W. J. JEFFREY  
PERFORMANCE AND RELIABILITY  
SITE ENGINEERING  
PEACH BOTTOM ATOMIC POWER STATION  
TELEPHONE (717) 456-7014 EXT. 4027

## OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 3
2. REPORTING PERIOD: SEPTEMBER, 1994
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	720	6,551	173,327
12. NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	6,470.0	111,141.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	720.0	6,470.0	107,761.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,368,798	20,895,724	319,669,201
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	780,200	6,868,400	104,858,532
18. NET ELECTRICAL ENERGY GENERATED (MWH)	753,583	6,650,208	100,624,215



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 DATE OCTOBER 11, 1994  
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	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0	98.8	62.2
20. UNIT AVAILABILITY FACTOR	100.0	98.8	62.2
21. UNIT CAPACITY FACTOR (USING MDC NET)	101.1	98.1	56.1
22. UNIT CAPACITY FACTOR (USING DER NET)	98.3	95.3	54.5
23. UNIT FORCED OUTAGE RATE	0.0	1.2	11.7
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):	N/A		

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 OCTOBER 11, 1994

REPORT MONTH SEPTEMBER, 1994

COMPLETED BY PECO ENERGY COMPANY

W. J. JEFFREY

PERFORMANCE AND RELIABILITY

SITE ENGINEERING

PEACH BOTTOM ATOMIC POWER STATION

TELEPHONE (717) 456-7014 EXT. 4027

NO.	DATE	TYPE (1)	DURATION (HOURS) (1)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
26	940910	S	4.0	B	4		RC	CONROD	Flux Tilt Testing
27	940916	S	341.0	C	1		RC	CONROD	Refueling Outage - 2R10
			-----						
			-						

(1)

(2)

(3)

(4)

F - FORCED  
S - SCHEDULEDREASON  
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 OCTOBER 11, 1994

REPORT MONTH SEPTEMBER, 1994

COMPLETED BY PECO ENERGY COMPANY

W. J. JEFFREY

PERFORMANCE AND RELIABILITY

SITE ENGINEERING

PEACH BOTTOM ATOMIC POWER STATION

TELEPHONE (717) 456-7014 EXT. 4027

NO.	DATE	TYPE (1)	DURATION (HOURS) (2)	REASON (3)	METHOD OF SHUTTING DOWN REACTOR (4)	LICENSEE EVENT REPORT #	SYSTEM CODE (5)	COMPONENT CODE (6)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
16	940905	F	7.0	H	4		HA	GENERA	MINIMUM GENERATION REQUEST
17	940906	F	4.0	H	4		HA	GENERA	MINIMUM GENERATION REQUEST
			11.0						

(1)

F - FORCED  
S - SCHEDULED

(2)

REASON  
A - EQUIPMENT FAILURE (EXPLAIN)  
R - 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