



PECO NUCLEAR

A UNIT OF PECO ENERGY

PECO Energy Company
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October 7, 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 September 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

J6H
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
T. N. Mitchell, PECO Nuclear, Vice President, Peach Bottom Atomic Power Station

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ccn 96-14079

PEACH BOTTOM ATOMIC POWER STATION
NRC MONTHLY OPERATIONS SUMMARY
SEPTEMBER 1996

UNIT 2

Unit 2 began the month of September at 53% power. Prior to 2R11 Refueling Outage the average power for the month was 50.24%. The majority of the Megawatt losses prior to 2R11 were a result of the Unit coastdown. In addition, there were minimal losses due to leaking valves. On 9/13/96 the Unit came off-line to commence the Refueling Outage.

Unit 2 net generation for September was 147,646 MWH.

UNIT 3

Unit 3 began the month of September at 100% power. Unit 3 Megawatt losses included a load drop for condenser water box cleaning on 9/11/96. The Unit remained at 100% power for the rest of the month.

Unit 3 net generation for September was 795,554 MWH.

UNIT 2 REFUELING INFORMATION

1. Name of facility:

Peach Bottom Unit 2

2. Scheduled date for next refueling shutdown:

Reload 11 began September 13, 1996.

3. Scheduled date for restart following refueling:

Restart following refueling forecast for October 4, 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. NRC approval has been received.

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 - 2720 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 OCTOBER 8, 1996
COMPANY PECO ENERGY COMPANY
L. P. HYDRICK
BUSINESS SERVICES
SITE SUPPORT DIVISION
PEACH BOTTOM ATOMIC POWER STATION
TELEPHONE (717) 456-4383

MONTH SEPTEMBER, 1996

DAY AVERAGE DAILY POWER LEVEL
(MWE-NET)

1	507
2	503
3	499
4	494
5	495
6	490
7	486
8	486
9	486
10	490
11	478
12	479
13	361
14	0
15	0
16	0

DAY AVERAGE DAILY POWER LEVEL
(MWE-NET)

17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0

AVERAGE DAILY POWER LEVEL

DOCKET NO. 50 - 278
 UNIT PEACH BOTTOM UNIT 3
 DATE OCTOBER 8, 1996
 COMPANY PECO ENERGY COMPANY
 L. P. HYDRICK
 BUSINESS SERVICES
 SITE SUPPORT DIVISION
 PEACH BOTTOM ATOMIC POWER STATION
 TELEPHONE (717) 456-4383

MONTH SEPTEMBER, 1996

DAY AVERAGE DAILY POWER LEVEL
(MWE-NET)

1	1097
2	1097
3	1097
4	1093
5	1097
6	1097
7	1097
8	1101
9	1097
10	1089
11	1037
12	1102
13	1110
14	1107
15	1109
16	1110

DAY AVERAGE DAILY POWER LEVEL
(MWE-NET)

17	1114
18	1113
19	1119
20	1107
21	1114
22	1120
23	1117
24	1116
25	1112
26	1116
27	1116
28	1115
29	1118
30	1110

OPERATING DATA REPORT

DOCKET NO. 50 - 277
 DATE OCTOBER 8, 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: SEPTEMBER, 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.
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	6,575	194,975
12. NUMBER OF HOURS REACTOR WAS CRITICAL	310.0	6,165.0	128,760.5
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	310.0	6,165.0	124,766.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	542,076	17,727,278	375,303,321
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	160,700	5,729,100	123,268,890
18. NET ELECTRICAL ENERGY GENERATED (MWH)	147,646	5,521,107	118,327,003

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 277

DATE OCTOBER 8, 1996

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	43.1 %	93.8 %	64.0 %
20. UNIT AVAILABILITY FACTOR	43.1 %	93.8 %	64.0 %
21. UNIT CAPACITY FACTOR (USING MDC NET)	18.8 %	76.8 %	57.4 %
22. UNIT CAPACITY FACTOR (USING DER NET)	18.3 %	75.0 %	56.6 %
23. UNIT FORCED OUTAGE RATE	.0 %	.0 %	11.7 %
24. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH): Refueling outage began 9/13/96			
25. IF SHUTDOWN AT THE END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:	10/04/96		
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 OCTOBER 8, 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: SEPTEMBER, 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

NOTES:

8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS 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	6,575	190,671
12. NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	6,486.1	127,773.3
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	720.0	6,418.0	124,226.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,482,785	21,742,287	371,428,745
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	821,100	7,178,000	121,797,432
18. NET ELECTRICAL ENERGY GENERATED (MWH)	795,554	6,971,718	116,985,570

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 278

DATE OCTOBER 8, 1996

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0 %	97.6 %	65.1 %
20. UNIT AVAILABILITY FACTOR	100.0 %	97.6 %	65.1 %
21. UNIT CAPACITY FACTOR (USING MDC NET)	101.1 %	97.0 %	59.0 %
22. UNIT CAPACITY FACTOR (USING DER NET)	98.7 %	94.8 %	57.3 %
23. UNIT FORCED OUTAGE RATE	.0 %	2.4 %	10.6 %
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 OCTOBER 8, 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 SEPTEMBER, 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
18	960913	S	410.0	C	2		ZZ	ZZZZZZ	Refueling Outage - 2R11
TOTAL HOURS			410.0						

(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 OCTOBER 8, 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 SEPTEMBER, 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
20	960910	S	5.0	B	4		HC	XXXXXX	Condenser Waterbox Cleaning Reactor not shut down
TOTAL HOURS			5.0						

(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