



PECO NUCLEAR

A Unit of PECO Energy

PECO Energy Company
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April 8, 1997

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 March 1997 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
JGH
MEW/JGH:cmc

Enclosures

cc: W. T. Henrick, Public Service Electric & Gas
E. Salowitz, 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
J. A. Isabella, 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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**PEACH BOTTOM ATOMIC POWER STATION
NRC MONTHLY OPERATIONS SUMMARY
MARCH 1997**

UNIT 2

Unit 2 began the month at 100% power. A planned load drop occurred between 3/14 and 3/15 for a rod pattern adjustment, MSIV timing, and repair of the 'B' Feedwater Heater. The Unit remained at 100% for the remainder of the month.

Unit 2 Net Generation for March was 836,329 MWH.

UNIT 3

Unit 3 began the month at 100% power. The Unit reduced power between 3/7 and 3/8 for a planned rod pattern adjustment and Scram time testing. During the load drop low oil level indication was seen on the 'A' Recirc Pump motor. An unplanned power reduction was performed for inspection. As the main turbine was being removed from service, the 'B' Recirc pump tripped unexpectedly and the Plant was manually Scrammed. The Plant was placed back on line on 3/12. During power ascension a rod pattern adjustment from 3/16 to 3/17 was performed. The Unit then returned to 100% power. A final rod pattern adjustment took place from 3/21 to 3/23. The Unit was then returned to 100% for the remainder of the month.

Unit 3 Net Generation for March was 668,914 MWH.

UNIT 2 REFUELING INFORMATION

1. Name of facility:
Peach Bottom Unit 2
2. Scheduled date for next refueling shutdown:
Reload 12 is scheduled for September 15, 1998.
3. Scheduled date for restart following refueling:
Restart following refueling forecast for October 10, 1998.
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?
N/A
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:
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 October 3, 1997
3. Scheduled date for restart following refueling

Restart following refueling scheduled for November 1, 1997
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?

 1. Wide Range Neutron Monitoring Modification 5395.
 2. Large Primary Containment Purge and Vent Isolation Valve Boot Seal Replacement Frequency Change.
 3. ECCS/EDG Shutdown Specification Change.
 4. Exclude MSIV leakage from 0.6 L_a.
5. Scheduled date(s) for submitting proposed licensing action and supporting information:

The first item has been submitted, including the response to an NRC RAI.
The second item should be submitted in April, 1997.
The other items are planned to be submitted by May, 1997.
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 APRIL 11, 1997
 COMPANY PECO ENERGY COMPANY
 L. P. HYDRICK
 BUSINESS SERVICES
 SITE SUPPORT DIVISION
 PEACH BOTTOM ATOMIC POWER STATION
 TELEPHONE (717) 456-4383

MONTH MARCH, 1997

DAY AVERAGE DAILY POWER LEVEL
(MWE-NET)

1	1123
2	1131
3	1127
4	1126
5	1127
6	1127
7	1126
8	1127
9	1127
10	1121
11	1120
12	1128
13	1119
14	1118
15	1074
16	1122

DAY AVERAGE DAILY POWER LEVEL
(MWE-NET)

17	1130
18	1126
19	1134
20	1126
21	1122
22	1126
23	1131
24	1122
25	1126
26	1134
27	1118
28	1122
29	1131
30	1131
31	1126

OPERATING DATA REPORT

JACKET NO. 50 - 277
 DATE APRIL 11, 1997
 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: MARCH, 1997
 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	744	2,160	199,344
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	2,160.0	133,075.5
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	744.0	2,160.0	128,937.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,567,354	7,441,791	389,417,371
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	857,500	2,483,600	127,953,190
18. NET ELECTRICAL ENERGY GENERATED (MWH)	836,329	2,422,900	122,889,353

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 277
DATE APRIL 11, 1997

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0 %	100.0 %	64.7 %
20. UNIT AVAILABILITY FACTOR	100.0 %	100.0 %	64.7 %
21. UNIT CAPACITY FACTOR (USING MDC NET)	102.8 %	102.6 %	58.3 %
22. UNIT CAPACITY FACTOR (USING DER NET)	100.5 %	100.2 %	57.4 %
23. UNIT FORCED OUTAGE RATE	.0 %	.0 %	11.5 %

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 277
 UNIT NAME PEACH BOTTOM UNIT 2
 DATE APRIL 11, 1997
 COMPLETED BY PECO ENERGY COMPANY
 L. P. HYDRICK
 BUSINESS SERVICES
 SITE SUPPORT DIVISION
 PEACH BOTTOM ATOMIC POWER STATION
 TELEPHONE (717) 456-4383

REPORT MONTH MARCH, 1997

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
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2	970314	S		H	4		RB	CONROD	Rod Pattern Adjustment (power reduction) Duration shown only for shut downs
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TOTAL HOURS

(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

AVERAGE DAILY POWER LEVEL

DOCKET NO. 50 - 278
 UNIT PEACH BOTTOM UNIT 3
 DATE APRIL 11, 1997
 COMPANY PECO ENERGY COMPANY
 L. P. HYDRICK
 BUSINESS SERVICES
 SITE SUPPORT DIVISION
 PEACH BOTTOM ATOMIC POWER STATION
 TELEPHONE (717) 456-4383

MONTH MARCH, 1997

DAY AVERAGE DAILY POWER LEVEL
(MWE-NET)

1	1109
2	1117
3	1108
4	1112
5	1108
6	1112
7	1104
8	488
9	45
10	0
11	0
12	137
13	385
14	740
15	959
16	906

DAY AVERAGE DAILY POWER LEVEL
(MWE-NET)

17	937
18	1112
19	1116
20	1112
21	1112
22	1108
23	1055
24	1113
25	1113
26	1121
27	1109
28	1112
29	1112
30	1112
31	1112

OPERATING DATA REPORT

DOCKET NO. 50 - 278
 DATE APRIL 11, 1997
 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: MARCH, 1997
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	744	2,160	195,240
12. NUMBER OF HOURS REACTOR WAS CRITICAL	684.5	2,100.5	132,082.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	672.0	2,088.0	128,523.2
15. UNIT RESERVE SHUT DOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,102,167	6,974,048	385,976,026
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	687,800	2,300,400	126,618,832
18. NET ELECTRICAL ENERGY GENERATED (MWH)	668,914	2,240,495	121,679,035

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50-278

DATE APRIL 11, 1997

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	90.3 %	96.7 %	65.8 %
20. UNIT AVAILABILITY FACTOR	90.3 %	96.7 %	65.8 %
21. UNIT CAPACITY FACTOR (USING MDC NET)	82.3 %	94.9 %	59.8 %
22. UNIT CAPACITY FACTOR (USING DER NET)	80.3 %	92.7 %	58.2 %
23. UNIT FORCED OUTAGE RATE	9.7 %	3.3 %	10.4 %

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. 50-278
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 DATE APRIL 11, 1997
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 BUSINESS SERVICES
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REPORT MONTH APRIL, 1997

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
2	970307	F	72.0	A	2		CB	MOTORX	'B' recirc pump motor trip during troubleshooting of 'A' recirc pump motor oil level
3	970321	S		H	4		RB	CONROD	Rod pattern adjustment (power reduction) Duration shown only for shut downs
TOTAL HOURS			72.0						

(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
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 4 - OTHER (EXPLAIN)

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