



PECO NUCLEAR

A UNIT OF PECO ENERGY

PECO Energy Company
1848 Lay Road
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717 456 7014

April 15, 1996

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington DC 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 1996 forwarded pursuant to Technical Specification 5.6.4 under the guidance of Regulatory Guide 10.1, Revision 4.

Sincerely,

Thomas N. Mitchell
Vice President,
Peach Bottom Atomic Power Station

^{2/24/96}
TNM/MEW/JGH/mdk

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 1, 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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D. M. Smith
C. M. Valera
G. J. Lengyel
M. E. Warner

63B-5 - Chesterbrook
SMB3-7 -Peach Bottom
62A-1 - Chesterbrook
61B-3 - Chesterbrook
62C-3 - Chesterbrook
S23-1 - Main Office
A4-1S - Peach Bottom
SMB4-5- Peach Bottom
62A-1 - Chesterbrook
52A-5 - Chesterbrook
ANI
PA DER
S13-1 - Main Office
SMB4-9- Peach Bottom
SMB4-6- Peach Bottom
62C-3 - Chesterbrook
63C-3 - Chesterbrook
63C-3 - Chesterbrook
A4-1S - Peach Bottom
SMB3-2- Peach Bottom

PEACH BOTTOM ATOMIC POWER STATION
NRC MONTHLY OPERATIONS SUMMARY
March 1996

UNIT 2

Unit 2 began the month of March at 100% power. Unit 2 losses included: a 'B' RFP trip on March 4, scram time testing on March 21, and generator core monitor alarm on March 27. The unit operated at 100% power for the rest of the month except for one load drop for rod pattern adjustments made on March 11.

Unit 2 net generation for March was 815,817 MWH.

UNIT 3

Unit 3 began the month of March at 100% power. Unit 3 losses were minimal during the month. The losses included load drops for a rod pattern adjustment on March 21 and generator core monitor alarm on March 27. The unit remained at 100% power for the rest of the month.

Unit 3 net generation for March was 830,760 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 20, 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. Wide Range Neutron Monitoring System
2. 10CFR50 Appendix J, Option B
3. Increase MCPR Value

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

All three items 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 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 - 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 3, 1996
COMPANY PECO ENERGY COMPANY
L. P. HYDRICK
BUSINESS SERVICES
SITE SUPPORT DIVISION
PEACH BOTTOM ATOMIC POWER STATION
TELEPHONE (717) 456-4383

MONTH MARCH, 1996

DAY AVERAGE DAILY POWER LEVEL
(MWE-NET)

| | |
|----|------|
| 1 | 1115 |
| 2 | 1115 |
| 3 | 1123 |
| 4 | 1004 |
| 5 | 1091 |
| 6 | 1119 |
| 7 | 1114 |
| 8 | 1114 |
| 9 | 1110 |
| 10 | 1101 |
| 11 | 1103 |
| 12 | 1112 |
| 13 | 1120 |
| 14 | 1111 |
| 15 | 1115 |
| 16 | 1115 |

DAY AVERAGE DAILY POWER LEVEL
(MWE-NET)

| | |
|----|------|
| 17 | 1127 |
| 18 | 1107 |
| 19 | 1118 |
| 20 | 1112 |
| 21 | 1112 |
| 22 | 1016 |
| 23 | 1115 |
| 24 | 1106 |
| 25 | 1105 |
| 26 | 1100 |
| 27 | 983 |
| 28 | 1058 |
| 29 | 1092 |
| 30 | 1084 |
| 31 | 1077 |

AVERAGE DAILY POWER LEVEL

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

MONTH MARCH, 1996

DAY AVERAGE DAILY POWER LEVEL
(MWE-NET)

| | |
|----|------|
| 1 | 1122 |
| 2 | 1122 |
| 3 | 1130 |
| 4 | 1117 |
| 5 | 1126 |
| 6 | 1122 |
| 7 | 1130 |
| 8 | 1121 |
| 9 | 1125 |
| 10 | 1121 |
| 11 | 1126 |
| 12 | 1122 |
| 13 | 1126 |
| 14 | 1122 |
| 15 | 1121 |
| 16 | 1126 |

DAY AVERAGE DAILY POWER LEVEL
(MWE-NET)

| | |
|----|------|
| 17 | 1130 |
| 18 | 1118 |
| 19 | 1121 |
| 20 | 1119 |
| 21 | 1115 |
| 22 | 1115 |
| 23 | 1121 |
| 24 | 1121 |
| 25 | 1120 |
| 26 | 1120 |
| 27 | 1018 |
| 28 | 1057 |
| 29 | 1117 |
| 30 | 1125 |
| 31 | 1117 |

OPERATING DATA REPORT

DOCKET NO. 50 - 277
 DATE APRIL 3, 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: MARCH, 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 | 744 | 2,184 | 190,584 |
| 12. NUMBER OF HOURS REACTOR WAS CRITICAL | 744.0 | 2,184.0 | 124,779.5 |
| 13. REACTOR RESERVE SHUTDOWN HOURS | 0.0 | 0.0 | 0.0 |
| 14. HOURS GENERATOR ON-LINE | 744.0 | 2,184.0 | 120,785.2 |
| 15. UNIT RESERVE SHUTDOWN HOURS | 0.0 | 0.0 | 0.0 |
| 16. GROSS THERMAL ENERGY GENERATED (MWH) | 2,526,703 | 7,382,253 | 364,958,296 |
| 17. GROSS ELECTRICAL ENERGY GENERATED (MWH) | 839,100 | 2,453,100 | 119,992,890 |
| 18. NET ELECTRICAL ENERGY GENERATED (MWH) | 815,817 | 2,385,736 | 115,191,682 |

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 277
DATE APRIL 3, 1996

| | THIS MONTH | YR-TO-DATE | CUMULATIVE |
|---|------------|------------|------------|
| 19. UNIT SERVICE FACTOR | 100.0 % | 100.0 % | 63.4 % |
| 20. UNIT AVAILABILITY FACTOR | 100.0 % | 100.0 % | 63.4 % |
| 21. UNIT CAPACITY FACTOR (USING MDC NET) | 100.3 % | 99.9 % | 57.3 % |
| 22. UNIT CAPACITY FACTOR (USING DER NET) | 98.0 % | 97.6 % | 56.4 % |
| 23. UNIT FORCED OUTAGE RATE | .0 % | .0 % | 12.1 % |
| 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 APRIL 3, 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: MARCH, 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 | 744 | 2,184 | 186,480 |
| 12. NUMBER OF HOURS REACTOR WAS CRITICAL | 744.0 | 2,184.0 | 123,471.2 |
| 13. REACTOR RESERVE SHUTDOWN HOURS | 0.0 | 0.0 | 0.0 |
| 14. HOURS GENERATOR ON-LINE | 744.0 | 2,134.0 | 119,942.2 |
| 15. UNIT RESERVE SHUTDOWN HOURS | 0.0 | 0.0 | 0.0 |
| 16. GROSS THERMAL ENERGY GENERATED (MWH) | 2,559,112 | 7,263,662 | 356,950,120 |
| 17. GROSS ELECTRICAL ENERGY GENERATED (MWH) | 852,100 | 2,402,700 | 117,022,132 |
| 18. NET ELECTRICAL ENERGY GENERATED (MWH) | 830,760 | 2,342,240 | 112,356,092 |

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 278

DATE APRIL 3, 1996

| | THIS MONTH | YR-TO-DATE | CUMULATIVE |
|--|------------|------------|------------|
| 19. UNIT SERVICE FACTOR | 100.0 % | 97.7 % | 64.3 % |
| 20. UNIT AVAILABILITY FACTOR | 100.0 % | 97.7 % | 64.3 % |
| 21. UNIT CAPACITY FACTOR (USING MDC NET) | 102.2 % | 98.1 % | 58.1 % |
| 22. UNIT CAPACITY FACTOR (USING DER NET) | 99.8 % | 95.8 % | 56.5 % |
| 23. UNIT FORCED OUTAGE RATE | .0 % | 2.3 % | 10.9 % |

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 APRIL 12, 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 MARCH, 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 |
|-------------|--------|-------------|---------------------|---------------|---|-------------------------------|-----------------------|--------------------------|--|
| 10 | 960321 | S | 20.0 | H | 4 | | RB | CONROD | SCRAM TIME TESTING REACTOR NOT SHUT DOWN |
| 11 | 960327 | F | 25.0 | H | 4 | | RC | INSTRU | GENERATOR CORE MONITOR ALARM REACTOR NOT SHUT DOWN |
| 8 | 960304 | F | 16.0 | H | 4 | | CH | INSTRU | B RFP TRIPPED(VIBRATION PROBE SIGNAL CABLE BUMPED) REACTOR NOT SHUT DOWN |
| 9 | 960311 | S | 4.0 | H | 4 | | RB | CONROD | ROD PATTERN ADJUSTMENT REACTOR NOT SHUT DOWN |
| TOTAL HOURS | | | 65.0 | | | | | | |

(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 APRIL 3, 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 MARCH, 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 |
|-------------|--------|-------------|---------------------|---------------|---|-------------------------------|-----------------------|--------------------------|---|
| 8 | 960321 | S | 4.0 | H | 4 | | RB | CONROD | ROD PATTERN ADJUSTMENT REACTOR NOT SHUT DOWN |
| 9 | 960327 | F | 25.0 | H | 4 | | RC | INSTRU | GENERATOR CORE MONITOR ALARM REACTOR NOT SHUT DOWN |
| TOTAL HOURS | | | 29.0 | | | | | | |

(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