



PECO ENERGY

Gerald R. Rainey
Vice President
Peach Bottom Atomic Power Station

PECO Energy Company
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717 456 7014

February 14, 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 January 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
C.D. Schaefer, Delmarva Power
INPO Records Center

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PEACH BOTTOM ATOMIC POWER STATION
NRC MONTHLY OPERATIONS SUMMARY
JANUARY 1994

OVERVIEW OF ACTIVITIES

COMMON PLANT

The following plant maintenance outages occurred during the month of December.

- * E-3 Emergency Diesel Generator
- * #2 Start-up Transformer

UNIT 2

Unit 2 began the month of December at a nominal 100% power.

On January 2, 1994 at 05:00 hours power was reduced to perform a rod pattern adjustment. The unit was returned to 100% power at 1700 hours.

On January 5, 1994 at 03:00 hours power was reduced to 65% due to problems with the "5A" heater extraction valve. The unit was returning to 100% power but was held at 73% to perform condensate demineralizer regeneration.

On January 7, 1994 at 12:00 hours the unit was returned to 100% nominal power.

On January 8, 1994 at 01:00 hours power was reduced to perform rod pattern adjustments. The unit was returning to 100% but at 18:00 hours power was held due to problems with "A" reactor feed pump.

On January 10, 1994 at 12:00 hours the unit was returned to 100% nominal power.

On January 29, 1994 at 01:00 hours power was reduced to perform rod pattern adjustments.

On January 30, 1994 the unit was returned to 100% nominal power and operated at that level for the remainder of January.

The following maintenance outages occurred on Unit 2:

- * "A" Loop RHR

UNIT 3

Unit 3 began the month of January at a nominal 100% power and operated at that level for the entire month.

The following maintenance outages occurred on Unit 3:

- * HPCI
- * "A" Loop RHR

UNIT 2 REFUELING INFORMATION

1. Name of facility:
Peach Bottom Unit 2
2. Scheduled date for next refueling shutdown:
Reload 10 scheduled for September 10, 1994.
3. Scheduled date for restart following refueling:
Restart following refueling forecast for November 8, 1994.
4. Will refueling or resumption of operation therefore 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 - 2164 Fuel Assemblies, 58 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 2 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 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

DUCKET NO. 50 277

UNIT PEACH BOTTOM UNIT 2

DATE FEBRUARY 11, 1994

COMPANY PECO ENERGY COMPANY

W. J. JEFFREY

PERFORMANCE & RELIABILITY

SITE ENGINEERING

PEACH BOTTOM ATOMIC POWER STATION

TELEPHONE (717) 456-7014 EXT. 4027

MONTH JANUARY 1994

| DAY | AVERAGE DAILY POWER LEVEL (MWE-NET) | DAY | AVERAGE DAILY POWER LEVEL (MWE-NET) |
|-----|--|-----|--|
| 1 | 1056 | 17 | 1057 |
| 2 | 1021 | 18 | 1052 |
| 3 | 1070 | 19 | 1065 |
| 4 | 1062 | 20 | 1056 |
| 5 | 826 | 21 | 1060 |
| 6 | 993 | 22 | 1057 |
| 7 | 1041 | 23 | 1052 |
| 8 | 855 | 24 | 1056 |
| 9 | 921 | 25 | 1060 |
| 10 | 1018 | 26 | 1040 |
| 11 | 1057 | 27 | 1052 |
| 12 | 1061 | 28 | 1052 |
| 13 | 1057 | 29 | 831 |
| 14 | 1057 | 30 | 1044 |
| 15 | 1057 | 31 | 1070 |
| 16 | 1061 | | |

AVERAGE DAILY UNIT POWER LEVEL

BUCKET NO. 50 - 270

UNIT PEACH BOTTOM UNIT 3

DATE FEBRUARY 11, 1994

COMPANY PECO ENERGY COMPANY

W. J. JEFFREY

PERFORMANCE & RELIABILITY

SITE ENGINEERING

PEACH BOTTOM ATOMIC POWER STATION

TELEPHONE (717) 456-7014 EXT. 4027

MONTH JANUARY 1994

| DAY | AVERAGE DAILY POWER LEVEL (MWE-NET) | DAY | AVERAGE DAILY POWER LEVEL (MWE-NET) |
|-----|--|-----|--|
| 1 | 1065 | 17 | 1065 |
| 2 | 1070 | 18 | 1069 |
| 3 | 1069 | 19 | 1065 |
| 4 | 1069 | 20 | 1065 |
| 5 | 1062 | 21 | 1069 |
| 6 | 1062 | 22 | 1070 |
| 7 | 1069 | 23 | 1070 |
| 8 | 1069 | 24 | 1069 |
| 9 | 1069 | 25 | 1069 |
| 10 | 1061 | 26 | 1070 |
| 11 | 1065 | 27 | 1065 |
| 12 | 1065 | 28 | 1074 |
| 13 | 1065 | 29 | 1070 |
| 14 | 1065 | 30 | 1070 |
| 15 | 1069 | 31 | 1068 |
| 16 | 1061 | | |

OPERATING DATA REPORT

DOCKET NO. 50 - 277

DATE FEBRUARY 11, 1994

COMPLETED BY PECO ENERGY COMPANY

W. J. JEFFREY

PERFORMANCE & 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: JANUARY, 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): 1055

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 | 744 | 744 | 171,624 |
| 12. NUMBER OF HOURS REACTOR WAS CRITICAL | 744.0 | 744.0 | 106,856.1 |
| 13. REACTOR RESERVE SHUTDOWN HOURS | 0.0 | 0.0 | 0.0 |
| 14. HOURS GENERATOR ON-LINE | 744.0 | 744.0 | 102,964.2 |
| 15. UNIT RESERVE SHUTDOWN HOURS | 0.0 | 0.0 | 0.0 |
| 16. GROSS THERMAL ENERGY GENERATED (MWH) | 2,375,242 | 2,375,242 | 306,864,735 |
| 17. GROSS ELECTRICAL ENERGY GENERATED (MWH) | 784,500 | 784,500 | 100,935,990 |
| 18. NET ELECTRICAL ENERGY GENERATED (MWH) | 762,627 | 762,627 | 96,753,429 |

DATE FEBRUARY 11, 1994

| | THIS MONTH | YR-TO-DATE | CUMULATIVE |
|--|------------|------------|------------|
| 19. UNIT SERVICE FACTOR | 100.0 | 100.0 | 59.8 |
| 20. UNIT AVAILABILITY FACTOR | 100.0 | 100.0 | 59.8 |
| 21. UNIT CAPACITY FACTOR (USING MDC NET) | 97.3 | 97.3 | 53.2 |
| 22. UNIT CAPACITY FACTOR (USING DEP NET) | 96.4 | 95.4 | 52.7 |
| 23. UNIT FORCED OUTAGE RATE | 0.0 | 0.0 | 13.0 |
| 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 | | 09/16/73 |
| INITIAL ELECTRICITY | | 02/18/74 |
| COMMERCIAL OPERATION | | 07/05/74 |

OPERATING DATA REPORT

DOCKET NO. 50 - 278

DATE FEBRUARY 11, 1994

COMPLETED BY OECO ENERGY COMPANY

W. J. JEFFREY

PERFORMANCE & RELIABILITY

SITE ENGINEERING

PEACH BOTTOM ATOMIC POWER STATION

TELEPHONE (717) 356-7014 EXT. 4027

OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 3
2. REPORTING PERIOD: JANUARY, 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 | 744 | 744 | 167,520 |
| 12. NUMBER OF HOURS REACTOR WAS CRITICAL | 744.0 | 744.0 | 105,415.4 |
| 13. REACTOR RESERVE SHUTDOWN HOURS | 0.0 | 0.0 | 0.0 |
| 14. HOURS GENERATOR ON-LINE | 744.0 | 744.0 | 102,035.2 |
| 15. UNIT RESERVE SHUTDOWN HOURS | 0.0 | 0.0 | 0.0 |
| 16. GROSS THERMAL ENERGY GENERATED (MWH) | 2,447,700 | 2,447,700 | 301,221,177 |
| 17. GROSS ELECTRICAL ENERGY GENERATED (MWH) | 816,800 | 816,800 | 98,806,932 |
| 18. NET ELECTRICAL ENERGY GENERATED (MWH) | 794,010 | 794,010 | 94,768,346 |

DATE FEBRUARY 11, 1994

| | THIS MONTH | YR-TO-DATE | CUMULATIVE |
|--|------------|------------|------------|
| 19. UNIT SERVICE FACTOR | 100.0 | 100.0 | 60.7 |
| 20. UNIT AVAILABILITY FACTOR | 100.0 | 100.0 | 60.7 |
| 21. UNIT CAPACITY FACTOR (USING MDC NET) | 103.1 | 103.1 | 54.4 |
| 22. UNIT CAPACITY FACTOR (USING DER NET) | 100.2 | 100.2 | 52.9 |
| 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: 11/14/95

| 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. 20 - 277

UNIT NAME PEACH BOTTOM UNIT 2

DATE FEBRUARY 11, 1994

REPORT MONTH JANUARY, 1994

COMPLETED BY PECO ENERGY COMPANY

W. J. JEFFREY

PERFORMANCE & 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 |
|-----|--------|-------------|----------------------------|---------------|---|-------------------------------|-----------------------|--------------------------|---|
| 01 | 940102 | S | 12.0 | H | 4 | N/A | RC | CONROD | ROD PATTERN ADJUSTMENT. REACTOR NOT SHUTDOWN |
| 02 | 940105 | F | 22.0 | A | 4 | N/A | CH | VALVEX | 5A HEATER EXTRACTION VALVE PROBLEMS REACTOR NOT SHUTDOWN |
| 03 | 940106 | F | 35.0 | A | 4 | N/A | WC | DEMINX | CONDENSATE DEMIN REGENERATION. REACTOR NOT SHUTDOWN |
| 04 | 940108 | S | 17.0 | H | 4 | N/A | RC | CONROD | ROD PATTERN ADJUSTMENT. REACTOR NOT SHUTDOWN |
| 05 | 940108 | S | 42.0 | B | 4 | N/A | CH | PUMPXX | A REACTOR FEED PUMP MAINTENANCE. REACTOR NOT SHUTDOWN |
| 06 | 940113 | S | 3.0 | B | 4 | N/A | HA | VALVEX | TURBINE STOP VALVE TESTING. REACTOR NOT SHUTDOWN |
| 07 | 940128 | S | 4.0 | B | 4 | N/A | HA | VALVEX | TURBINE STOP VALVE TESTING. REACTOR NOT SHUTDOWN |
| 08 | 940129 | S | 39.0 | H | 4 | N/A | RC | CONROD | ROD PATTERN ADJUSTMENT. REACTOR NOT SHUTDOWN |
| | | | 174.0 | | | | | | |

(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

DOCKET NO. 50 - 278

DATE FEBRUARY 11, 1994

COMPLETED BY PECO ENERGY COMPANY

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

(12)

(2)

(3)

(4)

F - FORCED
S - SCHEDULED

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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)

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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 1 - SAME SOURCE