

Exelon Nuclear
Peach Bottom Atomic Power Station
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October 2, 2001

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 2001 forwarded pursuant to Technical Specification 5.6.4 under the guidance of Regulatory Guide 10.1, Revision 4.

Sincerely,



Paul J. Davison
Director, Site Engineering
Peach Bottom Atomic Power Station

PJD/PRR/CSL:cmg

PRR CSL

Enclosures

cc:

H. J. Miller, Administrator, Region I, USNRC
A.C. McMurtry, USNRC, Senior Resident Inspector, PBAPS

ccn 01-14098

IE24

Peach Bottom Atomic Power Station
Unit 2
September 1 through September 30, 2001

Narrative Summary of Operating Experiences

Unit 2 began the month of September at 100% power.

At 2259, on September 7th, Unit 2 reduced power to 55%, for a rod pattern adjustment, and scram time testing. The unit returned to 100% power by 1407 on September 8th.

At 2100 on September 17th, Unit 2 reduced power to 94%, to swap EHC power supplies, and to remove the backup power supply. The unit returned to 100% power by 2204 on September 17th.

Unit 2 ended the month of September at 100% power.

Peach Bottom Atomic Power Station
Unit 3
September 1 through September 30, 2001

Narrative Summary of Operating Experiences

Unit 3 began the month of September at 77% power, in the process of coastdown to the 3R13 refueling outage, with the 4th and 5th feedwater heaters out of service.

At 1454 on September 14th, the Unit 3 turbine generator was tripped in preparation for the 3R13 outage.

At 1552 on September 14th, Unit 3 was manually scrammed, in preparation for the 3R13 refueling outage.

Unit 3 ended the month of September at 0% power, in cold shutdown, for the 3R13 refueling outage

UNIT 2 REFUELING INFORMATION

1. Name of facility:

Peach Bottom Unit 2

2. Scheduled date for next refueling shutdown:

Reload 14 is scheduled for October 17, 2002.

3. Scheduled date for restart following refueling:

Restart following refueling forecast for November 2, 2002.

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?

- a. Potential Cycle 15 Safety Limit MCPR Change.

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

- a. Submittal anticipated July, 2002.

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:

- a. The 2R14 reload will consist of approximately 300 GE-14 bundles. This will be the second reload of GE-14 fuel.

UNIT 2 REFUELING INFORMATION (Continued)

7. The number of fuel assemblies (a) in the core, (b) in the spent fuel storage pool and (c) dry storage.

- (a) Core - 764 Fuel Assemblies
- (b) Fuel Pool - 3032 Fuel Assemblies, 52 Fuel Rods
- (c) Interim Spent Fuel Storage Installation - 272 fuel assemblies

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:

A full core discharge surplus of 23 licensed rack locations will remain available until the summer 2002 dry cask storage campaign. Based on projected dry cask storage schedules and reload batch sizes, a surplus of not less than 87 licensed rack locations will be available from that time, through end of plant life.

UNIT 3 REFUELING INFORMATION

1. Name of facility:

Peach Bottom Unit 3

2. Scheduled date for next refueling shutdown:

Reload 13 began September 14, 2001.

3. Scheduled date for restart following refueling

Restart following refueling is scheduled for October 8, 2001

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.

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:

(a) The 3R13 reload will consist of 284 GE-14 bundles. This will be the first reload of GE-14 fuel.

7. The number of fuel assemblies (a) in the core, (b) in the spent fuel storage pool and (c) dry storage.

(a) Core - 764 Fuel Assemblies

(b) Fuel Pool - 2997 Fuel Assemblies, 16 Fuel Rods

(c) Interim Spent Fuel Storage Installation - 340 fuel assemblies

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:

A full core discharge surplus of 4 accessible licensed rack locations will remain available until 3R13 (2001), at which time a surplus of 38 locations will become available. Based on projected dry cask storage schedules and reload batch sizes, a surplus of not less than 74 licensed rack locations will be available starting with 3R14 (2003), running through the end of plant life.

OPERATING DATA REPORT

DOCKET NO. 50 - 277
 DATE OCTOBER 2, 2001
 COMPLETED BY EXELON
 C. S. LEWIS
 PLANT ENGINEERING
 ENGINEERING DIVISION
 PEACH BOTTOM ATOMIC POWER STATION
 TELEPHONE (717) 456-3245

OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 2
 2. REPORTING PERIOD: SEPTEMBER, 2001
 3. DESIGN ELECTRICAL RATING (NET MWE): 1119
 4. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 1159
 5. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 1093

| | THIS MONTH | YR-TO-DATE | CUMULATIVE |
|---|------------|------------|-------------|
| 6. NUMBER OF HOURS REACTOR WAS CRITICAL | 720.0 | 6,504.1 | 170,982.7 |
| 7. REACTOR RESERVE SHUTDOWN HOURS | 0.0 | 0.0 | 0.0 |
| 8. HOURS GENERATOR ON-LINE | 720.0 | 6,491.8 | 166,658.8 |
| 9. UNIT RESERVE SHUTDOWN HOURS | 0.0 | 0.0 | 0.0 |
| 10. NET ELECTRICAL ENERGY GENERATED (MWH) | 788,592 | 7,095,900 | 162,773,495 |

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 277
DATE OCTOBER 2, 2001

| | THIS MONTH | YR-TO-DATE | CUMULATIVE |
|---|------------|----------------|------------|
| 11. UNIT SERVICE FACTOR | 100.0 % | 99.1 % | 69.8 % |
| 12. UNIT AVAILABILITY FACTOR | 100.0 % | 99.1 % | 69.8 % |
| 13. UNIT CAPACITY FACTOR (USING MDC NET) | 100.2 % | 99.1 % | 63.9 % |
| 14. UNIT CAPACITY FACTOR (USING DER NET) | 97.9 % | 96.8 % | 62.8 % |
| 15. UNIT FORCED OUTAGE RATE | .0 % | 1.4 % | 10.1 % |
| 16. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH): (717) 456-4846 | | | |
| 17. IF SHUTDOWN AT THE END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: | | (717) 456-4846 | |
| 18. 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

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 PEACH BOTTOM ATOMIC POWER STATION
 TELEPHONE (717) 456-3245

REPORT MONTH SEPTEMBER, 2001

| NO. | DATE | TYPE (1) | DURATION (HOURS) | REASON (2) | METHOD OF SHUTTING DOWN REACTOR (3) | CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE |
|-----|------|-------------|---------------------|---------------|---|---|
|-----|------|-------------|---------------------|---------------|---|---|

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)

OPERATING DATA REPORT

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 C. S. LEWIS
 PLANT ENGINEERING
 ENGINEERING DIVISION
 PEACH BOTTOM ATOMIC POWER STATION
 TELEPHONE (717) 456-3245

OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 3
 2. REPORTING PERIOD: SEPTEMBER, 2001
 3. DESIGN ELECTRICAL RATING (NET MWE): 1119
 4. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 1159
 5. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 1093

| | THIS MONTH | YR-TO-DATE | CUMULATIVE |
|---|------------|------------|-------------|
| 6. NUMBER OF HOURS REACTOR WAS CRITICAL | 327.9 | 6,158.9 | 169,362.5 |
| 7. REACTOR RESERVE SHUTDOWN HOURS | 0.0 | 0.0 | 0.0 |
| 8. HOURS GENERATOR ON-LINE | 326.9 | 6,157.9 | 165,496.8 |
| 9. UNIT RESERVE SHUTDOWN HOURS | 0.0 | 0.0 | 0.0 |
| 10. NET ELECTRICAL ENERGY GENERATED (MWH) | 243,797 | 6,359,968 | 160,304,110 |

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 278
DATE OCTOBER 2, 2001

| | THIS MONTH | YR-TO-DATE | CUMULATIVE |
|---|------------|------------|------------|
| 11. UNIT SERVICE FACTOR | 45.4 % | 94.0 % | 70.5 % |
| 12. UNIT AVAILABILITY FACTOR | 45.4 % | 94.0 % | 70.5 % |
| 13. UNIT CAPACITY FACTOR (USING MDC NET) | 31.0 % | 88.8 % | 64.8 % |
| 14. UNIT CAPACITY FACTOR (USING DER NET) | 30.3 % | 86.8 % | 63.1 % |
| 15. UNIT FORCED OUTAGE RATE | .0 % | .0 % | 8.8 % |
| 16. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH): (717) 456-4846 | | | |
| 17. IF SHUTDOWN AT THE END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: (717) 456-4846 | | | |
| 18. 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

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REPORT MONTH SEPTEMBER, 2001

| NO. | DATE | TYPE (1) | DURATION (HOURS) | REASON (2) | METHOD OF SHUTTING DOWN REACTOR (3) | CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE |
|-------------|--------|-------------|---------------------|---------------|---|--|
| 1 | 140901 | S | 392.1 | C | 2 | REACTOR POWER WAS REDUCED TO 0% DUE TO REFUELING OUTAGE 3R13. |
| TOTAL HOURS | | | 392.1 | | | |

(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)