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Peach Bottom Atomic Power Station  
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December 5, 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 November 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 01-14107

*IE24*

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

Narrative Summary of Operating Experiences

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

At 0008 on November 16<sup>th</sup>, Unit 2 reduced power to 98% for a planned PMS computer outage. The Unit returned to 100% power by 0624 on November 16<sup>th</sup>.

At 1900, on November 26<sup>th</sup>, Unit 2 reduced power to 99% for a planned PMS computer outage, and for mod testing on the PMS computer. The Unit returned to 100% power by 0636 on November 27<sup>th</sup>.

At 2110 on November 27<sup>th</sup>, Unit 2 reduced power to 99% for a planned PMS computer outage, and for mod testing on the PMS computer. The Unit returned to 100% power by 0625 on November 28<sup>th</sup>.

At 2010 on November 28<sup>th</sup>, Unit 2 reduced power to 99% for a planned PMS computer outage, and for mod testing on the PMS computer. The Unit returned to 100% power by 0620 on November 29<sup>th</sup>.

At 2035 on November 29<sup>th</sup>, Unit 2 reduced power to 99% for a planned PMS computer outage, and for mod testing on the PMS computer. The Unit returned to 100% power by 0615 on November 30<sup>th</sup>.

At 2315 on November 30<sup>th</sup>, Unit 2 started a power reduction to 20% to troubleshoot an instrument nitrogen leak. The Unit was at 94% power by 2359 on November 30<sup>th</sup>.

Unit 2 ended the month of November at 94% power.

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

Narrative Summary of Operating Experiences

Unit 3 began the month of November at 100% power.

At 2301 on November 2<sup>nd</sup>, Unit 3 reduced power to 59% for a planned rod pattern adjustment. The Unit returned to 100% power by 1400 on November 3<sup>rd</sup>.

At 2047 on November 18<sup>th</sup>, Unit 3 reduced power to 19% to troubleshoot the RHR AO-163 valve. Following completion of the troubleshooting activities, the Unit returned to 100% power by 0435 on November 20<sup>th</sup>.

At 0024 on November 21<sup>st</sup>, Unit 3 reduced power to 94% for a follow-up rod pattern adjustment. The Unit returned to 100% power by 0354 on November 21<sup>st</sup>.

Unit 3 ended the month of November at 100% power.

**UNIT 2 REFUELING INFORMATION**

1. Name of facility:

Peach Bottom Unit 2

2. Scheduled date for next refueling shutdown:

Reload 14 is scheduled for September 20, 2002.

3. Scheduled date for restart following refueling:

Restart following refueling forecast for October 6, 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 284 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 14 is scheduled for September 22, 2003.

3. Scheduled date for restart following refueling

Restart following refueling forecast for October 11, 2003.

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 3R14 reload will consist of 284 GE-14 bundles. This will be the second 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 38 accessible licensed rack locations are 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 DECEMBER 10, 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: \_\_\_\_\_ NOVEMBER, 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	7,861.0	172,339.6
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	720.0	7,819.8	167,986.8
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	807,799	8,559,416	164,237,011



# OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 277

DATE DECEMBER 10, 2001

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	100.0 %	97.6 %	69.9 %
12. UNIT AVAILABILITY FACTOR	100.0 %	97.6 %	69.9 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	102.6 %	97.7 %	64.1 %
14. UNIT CAPACITY FACTOR (USING DER NET)	100.3 %	95.4 %	63.0 %
15. UNIT FORCED OUTAGE RATE	.0 %	2.8 %	10.1 %
16. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH): (717) 456-4248			
17. IF SHUTDOWN AT THE END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: (717) 456-4248			
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

DOCKET NO. 50 - 277  
 UNIT NAME PEACH BOTTOM UNIT 2  
 DATE DECEMBER 10, 2001  
 COMPLETED BY EXELON  
 C. S. LEWIS  
 PLANT ENGINEERING  
 ENGINEERING DIVISION  
 PEACH BOTTOM ATOMIC POWER STATION  
 TELEPHONE (717) 456-3245

REPORT MONTH NOVEMBER, 2001

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

# OPERATING DATA REPORT

DOCKET NO. 50 - 278  
 DATE DECEMBER 10, 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 3  
 2. REPORTING PERIOD: \_\_\_\_\_ NOVEMBER, 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	7,431.9	170,635.5
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	720.0	7,410.4	166,749.3
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	786,295	7,687,643	161,631,786

# OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 278

DATE DECEMBER 10, 2001

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	100.0 %	92.4 %	70.6 %
12. UNIT AVAILABILITY FACTOR	100.0 %	92.4 %	70.6 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	99.9 %	87.7 %	65.0 %
14. UNIT CAPACITY FACTOR (USING DER NET)	97.6 %	85.7 %	63.2 %
15. UNIT FORCED OUTAGE RATE	.0 %	.0 %	8.7 %
16. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH): (717) 456-4248			
17. IF SHUTDOWN AT THE END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: (717) 456-4248			
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

DOCKET NO. 50 - 278  
 UNIT NAME PEACH BOTTOM UNIT 3  
 DATE DECEMBER 10, 2001  
 COMPLETED BY EXELON  
 C. S. LEWIS  
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REPORT MONTH      NOVEMBER, 2001

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