

Exelon Nuclear  
Peach Bottom Atomic Power Station  
1848 Lay Road  
Delta, PA 17314-9032

Telephone 717.456.7014  
www.exeloncorp.com

Nuclear

April 3, 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 March 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/CHM/PRR/CSL:cms

*Chm PRR CSL*

Enclosures

cc:

H. J. Miller, Administrator, Region I, USNRC  
A.C. McMurtray, USNRC, Senior Resident Inspector, PBAPS  
J. Boska, Senior Project Manager, USNRC

ccn 01-14033

*IE24*

Peach Bottom Atomic Power Station  
Unit 2  
March 1 through March 31, 2001

Narrative Summary of Operating Experiences

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

Unit 2 operated at 100% power for the entire month of March.

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

Peach Bottom Atomic Power Station  
Unit 3  
March 1 through March 31, 2001

Narrative Summary of Operating Experiences

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

At 1402, on March 9<sup>th</sup>, Unit 3 reduced power to 95% to test rod 02-23. The unit returned to 100% power by 1840 on March 9<sup>th</sup>.

At 2300 on March 16<sup>th</sup>, Unit 3 reduced power to 90%, for a rod pattern adjustment. The unit returned to 100% power by 0154 on March 17<sup>th</sup>.

Unit 3 ended the month of March 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 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 is scheduled for September 28, 2001.

3. Scheduled date for restart following refueling

Restart following refueling is scheduled by October 23, 2001

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?

a. Potential Cycle 14 Safety Limit MCPR change.

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

a. Submittal anticipated July, 2001.

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 approximately 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 - 3053 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:

A full core discharge surplus of 2 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 APRIL 3, 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: \_\_\_\_\_ MARCH, 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	744.0	2,160.0	166,638.6
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	744.0	2,160.0	162,327.0
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	834,967	2,410,966	158,088,562



# OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 277  
DATE APRIL 3, 2001

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	100.0 %	100.0 %	69.2 %
12. UNIT AVAILABILITY FACTOR	100.0 %	100.0 %	69.2 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	102.7 %	102.1 %	63.3 %
14. UNIT CAPACITY FACTOR (USING DER NET)	100.3 %	99.7 %	62.2 %
15. UNIT FORCED OUTAGE RATE	.0 %	.0 %	10.3 %
16. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH): (717) 456-3412			
17. IF SHUTDOWN AT THE END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: (717) 456-3412			
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 APRIL 3, 2001  
 COMPLETED BY EXELON  
 C. S. LEWIS  
 PLANT ENGINEERING  
 ENGINEERING DIVISION  
 PEACH BOTTOM ATOMIC POWER STATION  
 TELEPHONE (717) 456-3245

REPORT MONTH MARCH, 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 APRIL 3, 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: \_\_\_\_\_ MARCH, 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	744.0	2,160.0	165,363.6
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	744.0	2,160.0	161,498.9
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	835,677	2,396,505	156,340,647

# OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 278  
DATE APRIL 3, 2001

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	100.0 %	100.0 %	70.1 %
12. UNIT AVAILABILITY FACTOR	100.0 %	100.0 %	70.1 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	102.8 %	101.5 %	64.5 %
14. UNIT CAPACITY FACTOR (USING DER NET)	100.4 %	99.2 %	62.8 %
15. UNIT FORCED OUTAGE RATE	.0 %	.0 %	9.0 %
16. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH): (717) 456-3412			
17. IF SHUTDOWN AT THE END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: (717) 456-3412			
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 APRIL 3, 2001  
 COMPLETED BY EXELON  
 C. S. LEWIS  
 PLANT ENGINEERING  
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REPORT MONTH MARCH, 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)