

Exelon Nuclear  
Peach Bottom Atomic Power Station  
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Nuclear

May 1, 2002

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 April 2002 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. McMurtray, USNRC, Senior Resident Inspector, PBAPS

ccn 02-14041

IE 24

Peach Bottom Atomic Power Station  
Unit 2  
April 1 through April 30, 2002

Narrative Summary of Operating Experiences

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

At 0540 on April 28<sup>th</sup>, Unit 2 reduced power to 85% for 2A recirc MG set tuning, turbine control valve testing and a rod pattern adjustment. The Unit returned to 100% power by 0000 on April 29<sup>th</sup>.

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

Peach Bottom Atomic Power Station  
Unit 3  
April 1 through April 30, 2002

Narrative Summary of Operating Experiences

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

At 0252 on April 1<sup>st</sup>, Unit 3 reduced power to 90% for a rod pattern adjustment. The Unit returned to 100% power by 0353 on April 1<sup>st</sup>.

Unit 3 ended the month of April 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 10, 2002.

3. Scheduled date for restart following refueling:

Restart following refueling forecast for September 30, 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, 58 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 7, 2003.

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 15 Safety Limit MCPR Change.

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

a.) Submittal anticipated July 2003.

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 approximately 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, 6 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 is 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 MAY 1, 2002  
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: \_\_\_\_\_ APRIL 2002  
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	719.0	2,879.0	175,962.6
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	719.0	2,879.0	171,609.8
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	802,450	3,219,380	168,266,214



# OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 277

DATE MAY 1, 2002

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	100.0 %	100.0 %	70.4 %
12. UNIT AVAILABILITY FACTOR	100.0 %	100.0 %	70.4 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	102.1 %	102.3 %	64.6 %
14. UNIT CAPACITY FACTOR (USING DER NET)	99.7 %	99.9 %	63.5 %
15. UNIT FORCED OUTAGE RATE	.0 %	.0 %	9.9 %
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 MAY 1, 2002  
 COMPLETED BY EXELON  
 C. S. LEWIS  
 PLANT ENGINEERING  
 ENGINEERING DIVISION  
 PEACH BOTTOM ATOMIC POWER STATION  
 TELEPHONE (717) 456-3245

REPORT MONTH APRIL, 2002

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 MAY 1, 2002  
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: \_\_\_\_\_ APRIL, 2002  
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	719.0	2,879.0	174,258.5
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	719.0	2,859.4	170,352.8
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	806,235	3,133,920	165,602,503

# OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 278

DATE MAY 1, 2002

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	100.0 %	99.3 %	71.0 %
12. UNIT AVAILABILITY FACTOR	100.0 %	99.3 %	71.0 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	102.6 %	99.6 %	65.5 %
14. UNIT CAPACITY FACTOR (USING DER NET)	100.2 %	97.3 %	63.8 %
15. UNIT FORCED OUTAGE RATE	.0 %	.7 %	8.6 %
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 MAY 1, 2002  
 COMPLETED BY EXELON  
 C. S. LEWIS  
 PLANT ENGINEERING  
 ENGINEERING DIVISION  
 PEACH BOTTOM ATOMIC POWER STATION  
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REPORT MONTH APRIL, 2002

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)