

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

Telephone 717.456.7014
www.exeloncorp.com

June 4, 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 May 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 02-14047

IE24

Peach Bottom Atomic Power Station
Unit 2
May 1 through May 31, 2002

Narrative Summary of Operating Experiences

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

At 2205 on May 10th, Unit 2 reduced power to 50% for a planned rod sequence exchange and scram time testing. The Unit returned to 100% power by 1628 on May 11th.

At 2302 on May 12th, Unit 2 reduced power to 85% for a planned follow-up rod pattern adjustment. The Unit returned to 100% power by 0155 on May 13th.

At 2303 on May 31st, Unit 2 reduced power to 85% for a planned rod pattern adjustment. The load drop continued into June 1st, and the Unit returned to 100% power by 0440 on June 1st.

Unit 2 ended the month of May at 85% power.

Peach Bottom Atomic Power Station
Unit 3
May 1 through May 31, 2002

Narrative Summary of Operating Experiences

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

At 2203 on May 17th, Unit 3 reduced power to 51% for a planned rod sequence exchange and scram time testing. The Unit returned to 100% power by 1700 on May 18th.

At 2300 on May 19th, Unit 3 reduced power to 90% for a planned follow-up rod pattern adjustment. The Unit returned to 100% power by 0039 on May 20th.

Unit 3 ended the month of May 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 - 2896 Fuel Assemblies, 58 Fuel Rods
- (c) Interim Spent Fuel Storage Installation - 408 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:

Based on projected dry cask storage schedules and reload batch sizes, a full core discharge will remain available throughout 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:

Based on projected dry cask storage schedules and reload batch sizes, a full core discharge will remain available throughout plant life.

OPERATING DATA REPORT

DOCKET NO. 50 - 277
 DATE JUNE 4, 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: ----- MAY, 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	744.0	3,623.0	176,706.6
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	744.0	3,623.0	172,353.8
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	824,182	4,043,563	169,090,396

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 277
DATE JUNE 4, 2002

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	100.0 %	100.0 %	70.5 %
12. UNIT AVAILABILITY FACTOR	100.0 %	100.0 %	70.5 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	101.4 %	102.1 %	64.8 %
14. UNIT CAPACITY FACTOR (USING DER NET)	99.0 %	99.7 %	63.7 %
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

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 TELEPHONE (717) 456-3245

REPORT MONTH MAY, 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

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

OPERATING STATUS

1. UNIT NAME: ----- PEACH BOTTOM UNIT 3
 2. REPORTING PERIOD: ----- MAY, 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	744.0	3,623.0	175,002.5
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	744.0	3,603.4	171,096.8
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	826,718	3,960,639	166,429,221

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 278
DATE JUNE 4, 2002

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	100.0 %	99.5 %	71.1 %
12. UNIT AVAILABILITY FACTOR	100.0 %	99.5 %	71.1 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	101.7 %	100.0 %	65.6 %
14. UNIT CAPACITY FACTOR (USING DER NET)	99.3 %	97.7 %	63.9 %
15. UNIT FORCED OUTAGE RATE	.0 %	.5 %	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

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REPORT MONTH MAY, 2002

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)