

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

Telephone 717.456 7014
www.exeloncorp.com

November 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 October 2002 forwarded pursuant to Technical Specification 5.6.4 under the guidance of Regulatory Guide 10.1, Revision 4.

Sincerely,



Edwin J. Eilola Jr.
Director, Site Engineering
Peach Bottom Atomic Power Station

EJE/NPA/CSL:cmg
ex NPA CSL
Enclosures

cc:

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

ccn 02-14075

IE24

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

Narrative Summary of Operating Experiences

Unit 2 began the month of October at 0% power, in mode 5 (refueling), for the 2R14 refueling outage.

At 1315, on October 2nd, the Unit 2 reactor was declared critical.

At 0706, on October 3rd, Unit 2 was synchronized with the grid. By 2200 that evening, the Unit was at 30% power. By 0019 on October 5th, the Unit was at 56% power. At 1305, on October 5th, Unit 2 reached 100% power.

At 1624 on October 5th, Unit 2 reduced power 79%, due to a high oil level alarm on the 2B recirc pump motor. Following troubleshooting, the Unit returned to 100% power by 0111 on October 6th.

At 1640 on October 6th, Unit 2 reduced power to 95.4% in a planned load drop to complete the core flow measurement test, RT-I-002-250. Following completion of the test, at 0149 on October 7th, the Unit reduced power further to 74.6%, in a planned rod pattern adjustment. The Unit returned to 99% power by 0804 on October 7th.

From this point until 1320 on October 16th, Unit 2 was administratively held at 99% power, while an investigation was conducted into unexpectedly high electrical output following return to full power post-2R14. Following completion of the investigation, on October 16th, at 1320, Unit 2 again reached 100% power.

At 2200 on October 18th, Unit 2 reduced power to 48% in an unplanned load drop (planned more than 72 hours in advance) to walkdown the moisture separator area, and inspect leaks on the Caldon LEFM spool pieces. Following completion of the walkdown, the Unit returned to 100% power by 0912 on October 19th.

At 2255 on October 20th, Unit 2 reduced power to 95% for a follow-up rod pattern adjustment. The Unit returned to 100% power by 2338 on October 20th.

At 0136 on October 27th, Unit 2 reduced power to 95% in a planned load drop for turbine stop valve testing. The Unit returned to 100% power by 0318 on October 27th.

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

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

Narrative Summary of Operating Experiences

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

Unit 3 operated at 100% power for the entire month of October.

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

UNIT 2 REFUELING INFORMATION

1. Name of facility:

Peach Bottom Unit 2

2. Scheduled date for next refueling shutdown:

Reload 15 is scheduled for September 22, 2004.

3. Scheduled date for restart following refueling:

Restart following refueling forecast for October 7, 2004.

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. Cycle 15 Safety Limit MCPR Change. NRC approval obtained 9/23/02.

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

Nothing to report for this period.

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:

Nothing to report this period.

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 - 2908 Fuel Assemblies, 58 Fuel Rods
- (c) Interim Spent Fuel Storage Installation - 608 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 288 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 NOVEMBER 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:		OCTOBER, 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	707.8	6,769.8	179,853.4
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	690.0	6,752.0	175,482.8
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	734,792	7,315,103	172,361,936

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 277
DATE NOVEMBER 4, 2002

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	92.6 %	92.5 %	70.7 %
12. UNIT AVAILABILITY FACTOR	92.6 %	92.5 %	70.7 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	90.2 %	91.7 %	65.0 %
14. UNIT CAPACITY FACTOR (USING DER NET)	88.1 %	89.6 %	63.9 %
15. UNIT FORCED OUTAGE RATE	0 %	.0 %	9.7 %
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		09/16/73	
INITIAL ELECTRICITY		02/18/74	
COMMERCIAL OPERATION		07/05/74	

UNIT SHUTDOWNS

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REPORT MONTH OCTOBER, 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:		OCTOBER, 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	745 0	7,296.0	178,675 5
7. REACTOR RESERVE SHUTDOWN HOURS	0 0	0 0	0.0
8. HOURS GENERATOR ON-LINE	745 0	7,276 4	174,769 8
9. UNIT RESERVE SHUTDOWN HOURS	0 0	0 0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	832,225	8,008,727	170,477,309

OPERATING DATA REPORT (CONTINUED)

DOCKET NO 50 - 278
 DATE NOVEMBER 4, 2002

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	100 0 %	99.7 %	71 6 %
12. UNIT AVAILABILITY FACTOR	100 0 %	99 7 %	71.6 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	102 2 %	100 4 %	66.1 %
14. UNIT CAPACITY FACTOR (USING DER NET)	99 8 %	98.1 %	64 4 %
15. UNIT FORCED OUTAGE RATE	.0 %	.3 %	8.4 %
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 OCTOBER, 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
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 G - OPERATIONAL ERROR (EXPLAIN)
 H - OTHER (EXPLAIN)

(3)
 METHOD
 1 - MANUAL
 2 - MANUAL SCRAM
 3 - AUTOMATIC SCRAM
 4 - OTHER (EXPLAIN)