

Exelon Nuclear
Peach Bottom Atomic Power Station
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January 7, 2004

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 December 2003 forwarded pursuant to Technical Specification 5.6.4 under the guidance of Regulatory Guide 10.1, Revision 4.

Sincerely,



Gary L. Stathes
Director, Site Engineering
Peach Bottom Atomic Power Station

GLS/PRR/CSL:cmg

prf CSL
Enclosures

cc:

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

ccn 04-14001

JE24

Peach Bottom Atomic Power Station
Unit 2
December 1 through December 31, 2003

Narrative Summary of Operating Experiences

Unit 2 began the month of December at 100% of maximum allowable power (3496 MWth).

At 0115 on December 7th, Unit 2 reduced power to 93%, for planned turbine control valve testing. The Unit returned to maximum allowable CTP (3496 MWth) by 0500 on December 7th.

At 2314 on December 12th, Unit 2 reduced power to 22%, in order to repair a steam leak in a turbine feedwater heater extraction steam line. During this evolution, a rod sequence exchange was also completed. The Unit returned to maximum allowable CTP (3496 MWth) by 0900 on December 16th.

At 2300 on December 16th, Unit 2 reduced power to 42% for the first of two follow-up rod pattern adjustments after the December 12th load reduction. The Unit returned to 100% power by 1900 on December 18th.

At 2356 on December 19th, Unit 2 reduced power to 80% for the second of two follow-up rod pattern adjustments after the December 12th load reduction. The Unit returned to 100% power by 1405 on December 20th.

Unit 2 ended the month of December at 100% of maximum allowable power (3496 MWth).

Peach Bottom Atomic Power Station
Unit 3
December 1 through December 31, 2003

Narrative Summary of Operating Experiences

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

Unit 3 remained at 100% power (3514 MWth) for the entire month of December.

Unit 3 ended the month of December 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 14, 2004.

3. Scheduled date for restart following refueling:

Restart following refueling forecast for September 30, 2004.

4. Will refueling or resumption of operation there after require a technical specification change or other license amendment?

Yes

If answer is yes, what, in general, will these be?

a. Potential Cycle 16 Safety Limit MCPR Change.

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 - 680 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 15 is scheduled for September 20, 2005.

3. Scheduled date for restart following refueling

Restart following refueling forecast for October 9, 2005.

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 16 Safety Limit MCPR Change.

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

Nothing to report 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.

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 - 2941 Fuel Assemblies, 6 Fuel Rods

(c) Interim Spent Fuel Storage Installation - 680 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 JANUARY 7, 2004
 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: _____ DECEMBER, 2003
 3. DESIGN ELECTRICAL RATING (NET MWE): _____ 1138
 4. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): _____ 1182
 5. MAXIMUM DEPENDABLE CAPACITY (NET MWE): _____ 1112

	THIS MONTH	YR-TO-DATE	CUMULATIVE
6. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	8,500.9	189,766.3
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	744.0	8,431.2	185,311.0
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	794,313	9,265,772	183,151,538

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 277
 DATE JANUARY 7, 2004

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	100.0 %	96.2 %	71.7 %
12. UNIT AVAILABILITY FACTOR	100.0 %	96.2 %	71.7 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	96.0 %	95.1 %	65.8 %
14. UNIT CAPACITY FACTOR (USING DER NET)	93.8 %	92.9 %	64.6 %
15. UNIT FORCED OUTAGE RATE	.0 %	3.8 %	9.4 %
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		09/16/73	
INITIAL ELECTRICITY		02/18/74	
COMMERCIAL OPERATION		07/05/74	

OPERATING DATA REPORT

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 TELEPHONE (717) 456-3245

OPERATING STATUS

1. UNIT NAME: ----- PEACH BOTTOM UNIT 3
 2. REPORTING PERIOD: ----- DECEMBER, 2003
 3. DESIGN ELECTRICAL RATING (NET MWE): ----- 1138
 4. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): ----- 1182
 5. MAXIMUM DEPENDABLE CAPACITY (NET MWE): ----- 1112

	THIS MONTH	YR-TO-DATE	CUMULATIVE
6. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	8,131.0	188,270.5
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	744.0	8,089.9	184,323.6
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	854,497	8,937,811	181,053,776

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 278
DATE JANUARY 7, 2004

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	100.0 %	92.4 %	72.4 %
12. UNIT AVAILABILITY FACTOR	100.0 %	92.4 %	72.4 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	103.3 %	91.8 %	66.8 %
14. UNIT CAPACITY FACTOR (USING DER NET)	100.9 %	89.7 %	65.1 %
15. UNIT FORCED OUTAGE RATE	.0 %	4.5 %	8.2 %
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 - 277
 UNIT NAME PEACH BOTTOM UNIT 2
 DATE JANUARY 7, 2004
 COMPLETED BY EXELON
 C. S. LEWIS
 PLANT ENGINEERING
 ENGINEERING DIVISION
 PEACH BOTTOM ATOMIC POWER STATION
 TELEPHONE (717) 456-3245

REPORT MONTH DECEMBER, 2003

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)

UNIT SHUTDOWNS

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 DATE JANUARY 7, 2004
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REPORT MONTH DECEMBER, 2003

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)