

Exelon Nuclear
Peach Bottom Atomic Power Station
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Nuclear

May 2, 2003

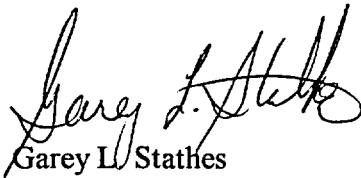
U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

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

Sincerely,



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

GLS/PRR/CSL:cmg

RR CSL

Enclosures

cc:

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

ccn 03-14039

IE24

Peach Bottom Atomic Power Station
Unit 2
April 1 through April 30, 2003

Narrative Summary of Operating Experiences

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

At 1847, on April 12th, Unit 2 automatically scrambled on high reactor pressure, due to an air line break on an outboard MSIV. This caused the MSIV to fail closed. Following repairs, the Unit was declared critical at 2259 on April 13th, and the turbine-generator was synchronized with the grid at 1150 on April 14th. The unit reached 3458 MWth (max rated without Caldon LEFM operable) at 0603 on April 15th. Following investigation and resolution of minor LEFM system anomalies, Unit 2 reached 3505 MWth (max rated with LEFM operable) by 2300 on April 16th.

At 2300 on April 30th, Unit 2 began a load drop to at first 60% power, and finally 30% power for power suppression testing, to identify a leaking fuel assembly. By 0000 on May 1st, the Unit had reduced power to approximately 80% rated. The Unit will return to 100% power in May, following completion of power suppression activities.

Unit 2 ended the month of April at 80% power.

Peach Bottom Atomic Power Station
Unit 3
April 1 through April 30, 2003

Narrative Summary of Operating Experiences

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

At 0920 on April 3rd, Unit 3 reduced power by 5 MWe, for the planned installation of new Final Feedwater Temperature measurement software (AFTO). The Unit returned to 100% power by 1819 on April 3rd.

At 2323 on April 16th, Unit 3 reduced power to 88%, for HCU maintenance activities. The Unit returned to 100% power by 0230 on April 17th.

At 2320 on April 17th, Unit 3 reduced power to 87%, for follow-up scram timing of rods following maintenance on April 16th - 17th. The Unit returned to 100% power by 0300 on April 18th.

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 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 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 14 is scheduled for September 21, 2003.
3. Scheduled date for restart following refueling

Restart following refueling forecast for October 9, 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 - 2929 Fuel Assemblies, 6 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.

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 MAY 6, 2003
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 2003
3. DESIGN ELECTRICAL RATING (NET MWE): _____ 1143
4. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): _____ 1182
5. MAXIMUM DEPENDABLE CAPACITY (NET MWE): _____ 1116

	THIS MONTH	YR-TO-DATE	CUMULATIVE
6. NUMBER OF HOURS REACTOR WAS CRITICAL	690.8	2,850.8	184,116.3
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	679.0	2,839.0	179,718.9
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	764,603	3,182,127	177,067,893

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 277
DATE MAY 6, 2003

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	94.4 %	98.6 %	71.1 %
12. UNIT AVAILABILITY FACTOR	94.4 %	98.6 %	71.1 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	95.3 %	99.0 %	65.0 %
14. UNIT CAPACITY FACTOR (USING DER NET)	93.0 %	96.7 %	63.9 %
15. UNIT FORCED OUTAGE RATE	5.6 %	1.4 %	9.6 %
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		09/16/73	
INITIAL ELECTRICITY		02/18/74	
COMMERCIAL OPERATION		07/05/74	

UNIT SHUTDOWNS

DOCKET NO. 50 - 277
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 ENGINEERING DIVISION
 PEACH BOTTOM ATOMIC POWER STATION
 TELEPHONE (717) 456-3245

REPORT MONTH APRIL, 2003

NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
1	030412	F	40.0	A	3	REACTOR POWER WAS REDUCED TO 0% DUE TO THE FAILURE OF THE "D" OUTBOARD MSIV INSTRUMENT AIR LINE.
TOTAL HOURS			40.0			

(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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 DATE MAY 6, 2003
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 TELEPHONE (717) 456-3245

OPERATING STATUS

1. UNIT NAME: _____ PEACH BOTTOM UNIT 3
 2. REPORTING PERIOD: _____ APRIL, 2003
 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	183,018.5
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	719.0	2,879.0	179,112.8
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	803,953	3,218,038	175,334,003

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 278
DATE MAY 6, 2003

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	100.0 %	100.0 %	72.1 %
12. UNIT AVAILABILITY FACTOR	100.0 %	100.0 %	72.1 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	102.3 %	102.3 %	66.8 %
14. UNIT CAPACITY FACTOR (USING DER NET)	99.9 %	99.9 %	65.0 %
15. UNIT FORCED OUTAGE RATE	.0 %	.0 %	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

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REPORT MONTH APRIL, 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)