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February 4, 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 January 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
PRR CSL
Enclosures

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

ccn 03-14015

IE24

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

Narrative Summary of Operating Experiences

Unit 2 began the month of January at 98.4% power (3458 MWt), with the Caldon LEFM system uncertainties under investigation.

At 2200, on January 6th, Unit 2 increased power to 3505 MWt, following completion of the investigation into the Caldon LEFM system uncertainties. This value, 3505 MWt, is now the 100% CTP value for the Unit, down slightly from the previous 3514 MWt, due to Caldon system uncertainties.

At 2227 on January 24th, Unit 2 reduced power to 58% for a planned rod sequence exchange and maintenance on the 2A and 2C reactor feedpump turbines. The Unit returned to 100% power by 2000 on January 25th.

Unit 2 ended the month of January at 100% power (3505 MWth).

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

Narrative Summary of Operating Experiences

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

At 2215 on January 3rd, Unit 3 reduced power to 63% for a planned rod pattern adjustment and scram time testing. The Unit returned to 100% power by 1736 on January 4th.

At 2310 on January 5th, Unit 3 reduced power to 90% for a planned follow-up rod pattern adjustment. The Unit returned to 100% power by 2355 on January 5th.

Unit 3 ended the month of January 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 21, 2004.

3. Scheduled date for restart following refueling:

   Restart following refueling forecast for October 8, 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 23, 2003.

3. Scheduled date for restart following refueling

   Restart following refueling forecast for October 11, 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 FEBRUARY 12, 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: JANUARY, 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	744 0	744 0	182,009 5
7. REACTOR RESERVE SHUTDOWN HOURS	0 0	0.0	0 0
8. HOURS GENERATOR ON-LINE	744.0	744.0	177,623.9
9. UNIT RESERVE SHUTDOWN HOURS	0 0	0 0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	848,641	848,641	174,734,407

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 277

DATE FEBRUARY 12, 2003

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	100 0 %	100 0 %	70 9 %
12. UNIT AVAILABILITY FACTOR	100.0 %	100 0 %	70.9 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	102.2 %	102 2 %	64.8 %
14. UNIT CAPACITY FACTOR (USING DER NET)	99.8 %	99 8 %	63 6 %
15. UNIT FORCED OUTAGE RATE	.0 %	0 %	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
UNIT NAME PEACH BOTTOM UNIT 2
DATE FEBRUARY 12, 2003
COMPLETED BY EXELON
C. S. LEWIS
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PEACH BOTTOM ATOMIC POWER STATION
TELEPHONE (717) 456-3245

REPORT MONTH JANUARY, 2003

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)

OPERATING DATA REPORT

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DATE FEBRUARY 12, 2003
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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: JANUARY, 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	744.0	744 0	180,883.5
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	744 0	744.0	176,977 8
9 UNIT RESERVE SHUTDOWN HOURS	0 0	0 0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	829,845	829,845	172,945,810

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 278

DATE FEBRUARY 12, 2003

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	100 0 %	100 0 %	71 8 %
12. UNIT AVAILABILITY FACTOR	100 0 %	100 0 %	71.8 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	102.0 %	102 0 %	66 5 %
14. UNIT CAPACITY FACTOR (USING DER NET)	99.7 %	99.7 %	64 7 %
15. UNIT FORCED OUTAGE RATE	0 %	0 %	8 3 %

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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DATE FEBRUARY 12, 2003
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REPORT MONTH JANUARY, 2003

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)