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March 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 February 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 03-14026

IE24

Peach Bottom Atomic Power Station
Unit 2
February 1 through February 28, 2003

Narrative Summary of Operating Experiences

Unit 2 began the month of February at 100% power (3505 MWt).

At 0648, on February 17th, Unit 2 decreased power to 37%, as a result of the trip of the 2B recirc pump MG set. Following troubleshooting and repairs, the Unit returned to 100% power by 1729 on February 20th.

At 0230 on February 21st, Unit 2 reduced power to 91% for a follow-up rod pattern adjustment. The Unit returned to 100% power by 1230 on February 21st.

At 2300 on February 21st, Unit 2 reduced power to 85% for a second follow-up rod pattern adjustment. The Unit returned to 100% power by 0556 on February 22nd.

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

Peach Bottom Atomic Power Station
Unit 3
February 1 through February 28, 2003

Narrative Summary of Operating Experiences

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

At 0734 on February 9th, Unit 3 reduced power by 5 MWe (roughly 15 MWth, 99.5% CTP) during swap over of the 3D Monicore to the backup computer. The Unit returned to 100% power by 1840 on February 9th.

At 2210 on February 14th, Unit 3 reduced power to 75% for a planned rod pattern adjustment. The Unit returned to 100% power by 0529 on February 15th.

Unit 3 ended the month of February 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 – 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 MARCH 4, 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: FEBRUARY, 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	672.0	1,416 0	182,681.5
7. REACTOR RESERVE SHUTDOWN HOURS	0 0	0 0	0.0
8 HOURS GENERATOR ON-LINE	672 0	1,416.0	178,295.9
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0 0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	714,723	1,563,364	175,449,130

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 277

DATE MARCH 4, 2003

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	100 0 %	100 0 %	71.0 %
12. UNIT AVAILABILITY FACTOR	100 0 %	100.0 %	71.0 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	95.3 %	98 9 %	64.8 %
14. UNIT CAPACITY FACTOR (USING DER NET)	93.1 %	96 6 %	63.7 %
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 MARCH 4, 2003
COMPLETED BY EXELON
C. S. LEWIS
PLANT ENGINEERING
ENGINEERING DIVISION
PEACH BOTTOM ATOMIC POWER STATION
TELEPHONE (717) 456-3245

REPORT MONTH FEBRUARY, 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

DOCKET NO. 50 - 278
DATE MARCH 4, 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 3
2. REPORTING PERIOD: FEBRUARY, 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	672.0	1,416.0	181,555.5
7. REACTOR RESERVE SHUTDOWN HOURS	0 0	0 0	0 0
8. HOURS GENERATOR ON-LINE	672.0	1,416.0	177,649.8
9. UNIT RESERVE SHUTDOWN HOURS	0 0	0 0	0 0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	752,375	1,582,220	173,698,185

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 278

DATE MARCH 4, 2003

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	100 0 %	100.0 %	71.9 %
12. UNIT AVAILABILITY FACTOR	100 0 %	100.0 %	71.9 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	102 4 %	102 2 %	66 6 %
14. UNIT CAPACITY FACTOR (USING DER NET)	100.1 %	99.9 %	64.8 %
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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UNIT NAME PEACH BOTTOM UNIT 3
DATE MARCH 4, 2003
COMPLETED BY EXELON
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REPORT MONTH FEBRUARY, 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)