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January 3, 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 December 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
CSL

Enclosures

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

ccn 03-14004

IE24

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

Narrative Summary of Operating Experiences

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

At 1047, on December 17th, Unit 2 reduced power to 91%, for planned TIP run, to support LPRM gain calibration activities. The Unit returned to 100% power by 1243 on December 17th.

At 2303 on December 17th, Unit 2 reduced power to 16% for planned activities to repair leaks in the Caldon LEFM flow measurement system. Following completion of the repairs, and a follow-up rod pattern adjustment, the Unit returned to 100% power by 1510 on December 21st.

At 2035 on December 21st, Unit 2 automatically scrammed due to a malfunctioning EHC control system card. Following troubleshooting and repairs, the Unit reached critical operation at 0030 on December 24th, and was synchronized with the grid at 1531 on December 24th. The Unit reached 100% power by 0604 on December 25th.

At 1152 on December 25th, Unit 2 reduced power to 90% for a follow-up rod pattern adjustment. The Unit returned to 100% power by 1252 on December 25th.

At 2300 on December 29th, Unit 2 reduced power to 85% for a planned rod pattern adjustment. The Unit returned to 100% power by 0211 on December 30th.

At 1104 on December 30th, Unit 2 reduced power to 99.6%, to end oscillations of the #3 turbine control valve. During this same period, investigations commenced concerning uncertainties in the Caldon LEFM flow measurement system. At 2128 on December 31st, the Caldon LEFM system was declared inoperable and was removed from service, pending further investigations. With the Caldon LEFM system out-of-service, the Unit was de-rated to 98.4% power, which was its previous rating of 3458 MWth.

Unit 2 ended the month of December at 98.4% power (3458 MWth).

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

Narrative Summary of Operating Experiences

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

Unit 3 remained at 100% power 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 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 16 Safety Limit MCPR Change, to be submitted in mid 2003.

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 JANUARY 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: DECEMBER, 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	692.1	8,181.9	181,265.5
7. REACTOR RESERVE SHUTDOWN HOURS	0 0	0 0	0.0
8. HOURS GENERATOR ON-LINE	677.1	8,149.1	176,879 9
9. UNIT RESERVE SHUTDOWN HOURS	0 0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	704,846	8,838,933	173,885,766

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 277

DATE JANUARY 6, 2003

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	91.0 %	93.0 %	70 8 %
12. UNIT AVAILABILITY FACTOR	91.0 %	93.0 %	70.8 %
13 UNIT CAPACITY FACTOR (USING MDC NET)	86.7 %	92.3 %	65.2 %
14. UNIT CAPACITY FACTOR (USING DER NET)	84.7 %	90.2 %	64.1 %
15. UNIT FORCED OUTAGE RATE	9 0 %	.8 %	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

DOCKET NO. 50 - 277
UNIT NAME PEACH BOTTOM UNIT 2
DATE JANUARY 6, 2003
COMPLETED BY EXELON
C. S. LEWIS
PLANT ENGINEERING
ENGINEERING DIVISION
PEACH BOTTOM ATOMIC POWER STATION
TELEPHONE (717) 456-3245

REPORT MONTH DECEMBER, 2002

NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
2	021221	F	66.9	A	3	REACTOR POWER WAS REDUCED TO 0% DUE TO FAILURE OF EHC SYSTEM CONTROL CARD. FAILURE CAUSED CONTROL VALVE TO OPEN AND UNIT SCRAMMED ON LOW STEAM PRESSURE.
	TOTAL HOURS		66.9			

(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 JANUARY 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 3
2. REPORTING PERIOD: DECEMBER, 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	744 0	8,760.0	180,139.5
7. REACTOR RESERVE SHUTDOWN HOURS	0 0	0.0	0.0
8. HOURS GENERATOR ON-LINE	744.0	8,740.4	176,233.8
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0 0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	834,301	9,647,383	172,115,965

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 278

DATE JANUARY 6, 2003

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	100 0 %	99.8 %	71.7 %
12. UNIT AVAILABILITY FACTOR	100.0 %	99.8 %	71.7 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	102 6 %	100.8 %	66.3 %
14. UNIT CAPACITY FACTOR (USING DER NET)	100.2 %	98.4 %	64.6 %
15. UNIT FORCED OUTAGE RATE	.0 %	.2 %	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 JANUARY 6, 2003
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REPORT MONTH DECEMBER, 2002

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)