PECO NUCLEAR
A Unit of PECO Energy

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February 2, 2000

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 2000 forwarded pursuant to Technical Specification 5.6.4 under the guidance of Regulatory Guide 10.1, Revision 4.

Sincerely,

Gordon L. Johnston
Director, Site Engineering
Peach Bottom Atomic Power Station

GLJ/CHM/TEG/JC:cms

Enclosures

cc: Manager, Financial Controls & Co-owner Affairs, Public Service Electric & Gas
R. R. Janati, Commonwealth of Pennsylvania
R.I. McLean, State of Maryland
H. J. Miller, Administrator, Region I, USNRC
A.C. McMurtray, USNRC, Senior Resident Inspector
A.F. Kirby, III, Delmarva Power & Light
INPO Records Center

ccn 00-14017

IE24

Peach Bottom Atomic Power Station
Unit 2
January 1 through January 31, 2000

1. Narrative Summary of Operating Experiences

Unit 2 began the month of January at 70% power.

The unit had reduced power to 70% to help distribute generation across the electrical grid prior to the Y2K date change. Unit operation was not impacted by the Y2K date change. The unit returned to 100% by 10:00 on January 1.

The unit reduced power to 60% starting at 23:00 on January 21 to clean condenser waterboxes, perform control rod drive scram timing, and perform a control rod sequence exchange. The unit returned to 100% by 12:00 on January 23.

Unit 2 ended the month of January at 100% power.

Peach Bottom Atomic Power Station
Unit 3
January 1 through January 31, 2000

1. Narrative Summary of Operating Experiences

Unit 3 began the month of January at 70% power.

The unit had reduced power to 70% to help distribute generation across the electrical grid prior to the Y2K date change. Unit operation was not impacted by the Y2K date change. The unit returned to 100% by 18:00 on January 1.

The unit reduced power to 78% starting at 23:00 on January 7 in order to perform a control rod pattern adjustment. The unit returned to 100% by 15:00 on January 8.

The unit reduced power to 67% starting at 05:00 on January 26 to swap RPS MG sets. The unit returned to 100% by 16:00 on January 26.

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 13 is scheduled for September 8, 2000.

3. Scheduled date for restart following refueling:

   Restart following refueling forecast for October 8, 2000.

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?

   1. Power Range Monitor Modification to be implemented during 2R13.
   2. Cycle 14 Safety Limit MCPR Change.

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

   1. Power Range Monitor Modification was reviewed and approved for Unit 3. Submittal of final Tech Spec pages for Unit 2 for NRC approval is scheduled for July, 2000.
   2. Cycle 14 MCPR is scheduled for submittal in July, 2000.

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 preliminary reload includes 280 GE-14 bundles. This will be the first reload of GE-14 fuel.

UNIT 2 REFUELING INFORMATION (Continued)

7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool:

   (a) Core - 764 Fuel Assemblies

   (b) Fuel Pool - 3012 Fuel Assemblies, 52 Fuel Rods

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:

   September 2002 without full core offload capability.

   September 1998 with full core offload capability.

UNIT 3 REFUELING INFORMATION

1. Name of facility:

   Peach Bottom Unit 3

2. Scheduled date for next refueling shutdown:

   Reload 13 is scheduled for October 5, 2001.

3. Scheduled date for restart following refueling

   Restart following refueling is scheduled by November 4, 2001

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

   N/A

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

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

   N/A

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 last refueling outage's reload included 276 GE-13 bundles which replaced an equal number of GE-11 bundles. This was the second reload of GE-13 fuel for the unit.

7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool:

   (a) Core - 764 Fuel Assemblies

   (b) Fuel Pool - 3053 Fuel Assemblies, 16 Fuel Rods
   (one of the 3053 is a skeleton which contains less than a full complement of fuel rods)

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:

September 2003 without full core offload capability.

September 1999 with full core offload capability.

OPERATING DATA REPORT

DOCKET NO. 50 - 277
DATE FEBRUARY 2, 2000
COMPLETED BY PECO ENERGY COMPANY
C. M. SHAW
PLANT ENGINEERING
ENGINEERING DIVISION
PEACH BOTTOM ATOMIC POWER STATION
TELEPHONE (717) 456-4996

OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 2
2. REPORTING PERIOD: JANUARY, 2000
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	156,975.2
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	744.0	744.0	152,741.9
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	816,522	816,522	147,971,103

UNIT SHUTDOWNS

DOCKET NO. 50 - 277
UNIT NAME PEACH BOTTOM UNIT 2
DATE FEBRUARY 2, 2000
COMPLETED BY PECO ENERGY COMPANY
C. M. SHAW
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PEACH BOTTOM ATOMIC POWER STATION
TELEPHONE (717) 456-4996

REPORT MONTH JANUARY, 2000

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 FEBRUARY 2, 2000
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PEACH BOTTOM ATOMIC POWER STATION
TELEPHONE (717) 456-4996

OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 3
2. REPORTING PERIOD: JANUARY, 2000
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	155,209.7
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	744.0	744.0	151,360.5
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	825,174	825,174	145,212,533

UNIT SHUTDOWNS

DOCKET NO. 50 - 278
UNIT NAME PEACH BOTTOM UNIT 3
DATE FEBRUARY 2, 2000
COMPLETED BY PECO ENERGY COMPANY
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TELEPHONE (717) 456-4996

REPORT MONTH JANUARY, 2000

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)