



PECO NUCLEAR

A Unit of PECO Energy

PECO Energy Company
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October 4, 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 September 2000 forwarded pursuant to Technical Specification 5.6.4 under the guidance of Regulatory Guide 10.1, Revision 4.

Sincerely,

Paul J. Davison
Director, Site Engineering
Peach Bottom Atomic Power Station

PJD/CHM/TFG/CSL:cms

Chm / JTG CSL
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. McMurtry, USNRC, Senior Resident Inspector
 A.F. Kirby, III, Delmarva Power & Light
 INPO Records Center

ccn 00-14080

IE24

Peach Bottom Atomic Power Station
Unit 2
September 1 through September 30, 2000

Narrative Summary of Operating Experiences

Unit 2 began the month of September at 80% power.

The unit started the month in coastdown leading up to the 2R13 refueling outage.

On September 7, at 1511, power was reduced from 75% to approximately 19%, to trouble shoot water hammer and pressurization events that were occurring in the "B" feedwater heater string. The unit returned to 75% power by 0900 on September 8.

On September 13, at 1217, the 2A recirc pump tripped due to an incorrect installation of a capacitor. Power was reduced from 75% to 36%. The unit returned to 75% power by 0641 on September 14.

Unit 2 ended the month of September at 0% power (shutdown), for the 2R13 refueling outage.

Peach Bottom Atomic Power Station
Unit 3
September 1 through September 30, 2000

Narrative Summary of Operating Experiences

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

On September 14, at 0300, power was reduced to 95%, for a planned rod pattern adjustment. The unit returned to 100% power by 0435 on September 14.

On September 29, at 0740, a fast power reduction occurred following a low lube oil level alarm and resulting shutdown of the 3B recirc pump. The unit reached 35% power by midnight (0000) on October 1.

Unit 3 ended the month of September at 35% power.

UNIT 2 REFUELING INFORMATION

1. Name of facility:

Peach Bottom Unit 2

2. Scheduled date for next refueling shutdown:

Reload 13 began September 15, 2000.

3. Scheduled date for restart following refueling:

Restart following refueling forecast for October 4, 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 was implemented during 2R13.
2. Cycle 14 Safety Limit MCPR Change.
3. Reduction in the amount of Tech. Spec. required excess flow check valve testing.

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

1. Power Range Monitor Modification was reviewed and approved for Unit 3. NRC has approved final Tech. Spec. pages for Unit 2.
2. Cycle 14 MCPR was submitted in June, 2000, and has been approved and implemented on Unit 2.
3. Excess flow check valve testing change was submitted in May, 2000, and has been approved and implemented on Unit 2.

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 reload includes 292 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, (b) in the spent fuel storage pool and (c) dry storage.

(a) Core - 764 Fuel Assemblies

(b) Fuel Pool - 3032 Fuel Assemblies, 52 Fuel Rods

(c) Interim Spent Fuel Storage Installation - 272 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:

A full core discharge surplus of 23 licensed rack locations will remain available until the summer 2002 dry cask storage campaign. Based on projected dry cask storage schedules and reload batch sizes, a surplus of not less than 87 licensed rack locations will be available from that time, through end of plant life.

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, (b) in the spent fuel storage pool and (c) dry storage.

(a) Core - 764 Fuel Assemblies

(b) Fuel Pool - 3053 Fuel Assemblies, 16 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:

A full core discharge surplus of 2 licensed rack locations will remain available until 3R13 (2001), at which time a surplus of 38 locations will become available. Based on projected dry cask storage schedules and reload batch sizes, a surplus of not less than 74 licensed rack locations will be available starting with 3R14 (2003), running through the end of plant life.

OPERATING DATA REPORT

DOCKET NO. 50 - 277
 DATE OCTOBER 5, 2000
 COMPLETED BY PECO ENERGY COMPANY
 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: _____ SEPTEMBER, 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	351.1	6,170.9	162,402.0
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	351.1	6,139.1	158,137.0
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	262,047	6,333,163	153,487,744

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 277
DATE OCTOBER 5, 2000

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	48.8 %	93.4 %	68.7 %
12. UNIT AVAILABILITY FACTOR	48.8 %	93.4 %	68.7 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	33.3 %	88.1 %	62.7 %
14. UNIT CAPACITY FACTOR (USING DER NET)	32.5 %	86.1 %	61.6 %
15. UNIT FORCED OUTAGE RATE	57.8 %	8.8 %	10.5 %
16. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH): (717) 456-3412			
17. IF SHUTDOWN AT THE END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: (717) 456-3412			
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

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 TELEPHONE (717) 456-3245

REPORT MONTH SEPTEMBER, 2000

NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
2	000915	S	368.9	C	2	REACTOR POWER WAS REDUCED TO 0% DUE TO SCHEDULED REFUELING OUTAGE.
	TOTAL HOURS		368.9			

(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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 TELEPHONE (717) 456-3245

OPERATING STATUS

1. UNIT NAME: ----- PEACH BOTTOM UNIT 3
 2. REPORTING PERIOD: ----- SEPTEMBER, 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	720.0	6,528.9	160,994.6
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	720.0	6,513.4	157,129.9
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	759,004	7,110,289	151,497,647

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 278
DATE OCTOBER 5, 2000

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	100.0 %	99.1 %	69.5 %
12. UNIT AVAILABILITY FACTOR	100.0 %	99.1 %	69.5 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	96.4 %	98.9 %	63.8 %
14. UNIT CAPACITY FACTOR (USING DER NET)	94.2 %	96.6 %	62.1 %
15. UNIT FORCED OUTAGE RATE	3.4 %	1.9 %	9.2 %
16. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH): (717) 456-3412			
17. IF SHUTDOWN AT THE END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:	(717) 456-3412		
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 SEPTEMBER, 2000

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)