



PECO NUCLEAR

A Unit of PECO Energy

PECO Energy Company
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September 7, 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 August 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

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 00-14077

IE24

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

Narrative Summary of Operating Experiences

Unit 2 began the month of August at 92% power.

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

On August 6, at 1000, power was lowered to 80%, to remove the 2C reactor feedpump from service, for lube oil system maintenance. The unit returned to 89% power by 1230 on August 6.

On August 23, at 2053, power was reduced to 68% to remove the "B" feedwater heater string from service, due to suspected leaks in the 2B heater. The 4A and 4C heaters were placed back in service, and the unit returned to 83% power by 0700 on August 24.

Unit 2 ended the month of August at 80% power.

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

Narrative Summary of Operating Experiences

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

On August 7, at 2126, Unit 3 was automatically scrammed. The scram was caused by the failure of a root valve in the variable leg of the reactor water level indication instruments. Following repairs, the Unit 3 reactor reached critical operation at 1930 on August 9. The generator was synchronized with the grid at 1104 on August 10, and had reached 100% power by 0710 on August 11.

Starting on August 11, at 2247, power was reduced to 82% for a planned rod pattern adjustment. The unit reached 100% power again by 0230 on August 12.

Unit 3 ended the month of August 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 15, 2000.

3. Scheduled date for restart following refueling:

Restart following refueling forecast for October 15, 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.
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 processing of final Tech. Spec. pages for Unit 2 is in progress.
2. Cycle 14 MCPR was submitted in June, 2000.
3. Excess flow check valve testing change was submitted in May, 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 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 SEPTEMBER 7, 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: AUGUST, 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	5,819.8	162,050.9
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	744.0	5,788.0	157,785.9
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	670,535	6,071,116	153,225,697

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 277

DATE SEPTEMBER 7, 2000

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	100.0 %	98.9 %	68.8 %
12. UNIT AVAILABILITY FACTOR	100.0 %	98.9 %	68.8 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	82.5 %	94.9 %	62.8 %
14. UNIT CAPACITY FACTOR (USING DER NET)	80.5 %	92.7 %	61.7 %
15. UNIT FORCED OUTAGE RATE	.0 %	1.9 %	10.3 %
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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 DATE SEPTEMBER 7, 2000
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 C. M. SHAW
 PLANT ENGINEERING
 ENGINEERING DIVISION
 PEACH BOTTOM ATOMIC POWER STATION
 TELEPHONE (717) 456-4996

REPORT MONTH AUGUST, 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)

OPERATING DATA REPORT

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DATE SEPTEMBER 7, 2000
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C. M. SHAW
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ENGINEERING DIVISION
PEACH BOTTOM ATOMIC POWER STATION
TELEPHONE (717) 456-4996

OPERATING STATUS

1. UNIT NAME: _____ PEACH BOTTOM UNIT 3
2. REPORTING PERIOD: _____ AUGUST, 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	697.9	5,808.9	160,274.6
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	682.4	5,793.4	156,409.9
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	742,902	6,351,285	150,738,643

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 278

DATE SEPTEMBER 7, 2000

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	91.7 %	98.9 %	69.4 %
12. UNIT AVAILABILITY FACTOR	91.7 %	98.9 %	69.4 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	91.4 %	99.2 %	63.7 %
14. UNIT CAPACITY FACTOR (USING DER NET)	89.2 %	96.9 %	62.0 %
15. UNIT FORCED OUTAGE RATE	8.6 %	1.7 %	9.3 %
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 AUGUST, 2000

NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
1	000807	F	46.1	A	3	REACTOR POWER WAS REDUCED TO 0% DUE TO FAILURE OF ROCKWELL MARK 111 1500# GLOBE VALVE GLAND PACKING FOLLOWER FAILURE (VARIABLE LEG OF REACTOR WATER LEVEL INDICATION INSTRUMENT).
TOTAL HOURS			46.1			

(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)