

Exelon Nuclear
Peach Bottom Atomic Power Station
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November 6, 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 October 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. McMurtray, USNRC, Senior Resident Inspector
 A.F. Kirby, III, Delmarva Power & Light
 INPO Records Center

ccn 00-14085

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

Narrative Summary of Operating Experiences

Unit 2 began the month of October at 0% power (shutdown), due to the 2R13 refueling outage.

On October 5, at 0235, the Unit 2 reactor reached critical operation, following the 2R13 refueling outage. The generator was synchronized to the grid at 1939 on October 5.

On October 9, at 2205, power was reduced to 60%, in a planned load drop for rod pattern adjustment and condenser waterbox repair. The unit returned to 100% power by 2342, on October 10.

On October 11, at 2212, power was reduced to 69%, in a planned load drop for a final rod pattern adjustment. The unit returned to 100% power by 0931 on October 12.

On October 17, at 2205, power was reduced to 67%, for a load drop to repair leaks in the A2 condenser waterbox. The unit returned to 100% power by 1202, on October 18.

On October 22, at 2050, power was reduced to approximately 20%, following the failure of a drywell vacuum relief valve test. In order to repair the valve, the unit was manually scrammed at 0540 on October 23. After repairs, the unit reactor reached critical operation at 1526 on October 24, and the generator was synchronized to the grid at 2206, on October 25.

On October 27, at 2214, power was reduced to 75% in a planned load drop for a rod pattern adjustment, repairs to the 2C RFPT chest drain line, and work on the 5A feedwater heater extraction steam stop valve. The unit reached 100% again by 0528, on October 28.

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

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

Narrative Summary of Operating Experiences

Unit 3 began the month of October at 35% power, due to a power ascension following a load drop taken during September.

On October 13, at 2200, power was reduced to 59%, for a planned rod pattern adjustment, control rod scram timing, and to clean condenser waterboxes. The unit reached 100% power by 0830, on October 14.

On October 15, at 2302, power was reduced to 89% for a rod pattern adjustment. The unit reached 100% power by 0028, on October 16.

Unit 3 ended the month of October at 100% power.

UNIT 2 REFUELING INFORMATION

1. Name of facility:

Peach Bottom Unit 2

2. Scheduled date for next refueling shutdown:

Reload 14 is scheduled for October 17, 2002.

3. Scheduled date for restart following refueling:

Restart following refueling forecast for November 2, 20002.

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 15 Safety Limit MCPR Change.

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

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 2R14 reload will consist of approximately 300 GE-14 bundles. This will be the second 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 NOVEMBER 14, 2000
 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:		OCTOBER, 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	612.6	6,783.5	163,014.6
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	566.0	6,705.1	158,703.0
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	545,390	6,878,553	154,033,134

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 277
DATE NOVEMBER 14, 2000

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	76.0 %	91.6 %	68.8 %
12. UNIT AVAILABILITY FACTOR	76.0 %	91.6 %	68.8 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	67.0 %	86.0 %	62.7 %
14. UNIT CAPACITY FACTOR (USING DER NET)	65.4 %	84.0 %	61.6 %
15. UNIT FORCED OUTAGE RATE	5.7 %	8.5 %	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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 C. S. LEWIS
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 TELEPHONE (717) 456-3245

REPORT MONTH OCTOBER, 2000

NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
3	001023	S	34.2	B	2	REACTOR POWER WAS REDUCED TO 0% DUE TO FAILURE OF A VACUUM RELIEF VALVE TEST.
	TOTAL HOURS		34.2			

(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: _____ OCTOBER, 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	745.0	7,273.9	161,739.6
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	745.0	7,258.4	157,874.9
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	823,730	7,934,019	152,321,378

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 278
DATE NOVEMBER 14, 2000

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	100.0 %	99.2 %	69.6 %
12. UNIT AVAILABILITY FACTOR	100.0 %	99.2 %	69.6 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	101.2 %	99.2 %	63.9 %
14. UNIT CAPACITY FACTOR (USING DER NET)	98.8 %	96.9 %	62.2 %
15. UNIT FORCED OUTAGE RATE	.0 %	1.7 %	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 OCTOBER, 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)