

Exelon Nuclear
Peach Bottom Atomic Power Station
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February 6, 2001

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 2001 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/TEG/CSL:cms

CHM/TEG/CSL
Enclosures

cc: L. J. Shorter, 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. McMurray, USNRC, Senior Resident Inspector
A.F. Kirby, III, Delmarva Power & Light
INPO Records Center

ccn 01-14023

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Peach Bottom Atomic Power Station
Unit 2
January 1 through January 31, 2001

Narrative Summary of Operating Experiences

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

From 2004 on January 21, through 0035 on January 28, there was a series of seven (7) planned load drops for on-line control rod HCU maintenance. The average end power level for these seven reductions was 83%. The unit returned to 100% power by 0200 on January 28.

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

Peach Bottom Atomic Power Station
Unit 3
January 1 through January 31, 2001

Narrative Summary of Operating Experiences

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

From 0421 on January 17, to 0401 on January 21, there was a series of five (5) planned load drops for on-line control rod HCU maintenance. The average end power level for these five reductions was 94%. The unit returned to 100% power by 0500 on January 21.

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 14 is scheduled for October 17, 2002.

3. Scheduled date for restart following refueling:

Restart following refueling forecast for November 2, 2002.

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. Potential Cycle 15 Safety Limit MCPR Change.

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

- a. Submittal anticipated July, 2002.

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 12, 2001.
3. Scheduled date for restart following refueling

Restart following refueling is scheduled by November 2, 2001
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 14 Safety Limit MCPR change.
5. Scheduled date(s) for submitting proposed licensing action and supporting information.
 - a. Submittal anticipated July, 2001.
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 3R13 reload will consist of approximately 292 GE-14 bundles. This will be the first 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 - 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 FEBRUARY 6, 2001
 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: ----- JANUARY, 2001
 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	165,222.6
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	744.0	744.0	160,911.0
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	828,442	828,442	156,506,037

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 277
DATE FEBRUARY 6, 2001

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	100.0 %	100.0 %	69.1 %
12. UNIT AVAILABILITY FACTOR	100.0 %	100.0 %	69.1 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	101.9 %	101.9 %	63.1 %
14. UNIT CAPACITY FACTOR (USING DER NET)	99.5 %	99.5 %	62.0 %
15. UNIT FORCED OUTAGE RATE	.0 %	.0 %	10.4 %
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 JANUARY, 2001

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

DOCKET NO. 50 - 278
 DATE FEBRUARY 6, 2001
 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: ----- JANUARY, 2001
 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	163,947.6
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	744.0	744.0	160,082.9
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	836,184	836,184	154,780,327

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 278
DATE FEBRUARY 6, 2001

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	100.0 %	100.0 %	69.9 %
12. UNIT AVAILABILITY FACTOR	100.0 %	100.0 %	69.9 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	102.8 %	102.8 %	64.3 %
14. UNIT CAPACITY FACTOR (USING DER NET)	100.4 %	100.4 %	62.6 %
15. UNIT FORCED OUTAGE RATE	.0 %	.0 %	9.1 %
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 JANUARY, 2001

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)