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March 5, 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 February 2001 forwarded pursuant to Technical Specification 5.6.4 under the guidance of Regulatory Guide 10.1, Revision 4.

Sincerely,

Christopher H. Mudrick for PJD

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

PJD/CHM/TFG/CSL:cms
cim/PO 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. McMurtray, USNRC, Senior Resident Inspector
A.F. Kirby, III, Delmarva Power & Light
INPO Records Center

ccn 01-14028

IE24

Peach Bottom Atomic Power Station
Unit 2
February 1 through February 28, 2001

Narrative Summary of Operating Experiences

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

At 2200 on February 2nd, Unit 2 reduced power to 57%, for a planned control rod sequence exchange, scram time testing, PCIS Gr. 1 logic system functional testing and A1/A2 condenser water box cleaning. The unit returned to 100% power by 1845 on February 3rd.

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

Peach Bottom Atomic Power Station
Unit 3
February 1 through February 28, 2001

Narrative Summary of Operating Experiences

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

At 0120, on February 15th, during a routine test, C.I.V. #5 closed and would not reopen. This resulted in a reduction in power to 99.2%. Following troubleshooting activities, the unit returned to 100% thermal power by 1900 on February 17th, however the electrical output remained 15-20 MWe lower than normal.

At 2205, on February 23rd, the unit reduced power to 21% in a planned load drop for a rod pattern adjustment and scram time testing. During this load drop, repair activities commenced on the C.I.V. #5 control system circuit board, and a hot short was removed from the board connection pins. The unit returned to 96% power by 2011 on February 25th.

At 1336 on February 26th, the unit reduced power to 74%, for a planned follow-up rod pattern adjustment. The unit returned to 100% power by 2111 on February 26th.

At 2259 on February 27th, the unit reduced power to 95%, for a planned contingency rod pattern adjustment. The unit returned to 100% power by 0030 on February 28th.

Unit 3 ended the month of February 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 September 28, 2001.

3. Scheduled date for restart following refueling

   Restart following refueling is scheduled by October 23, 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 284 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 MARCH 8, 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: FEBRUARY, 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	672.0	1,416.0	165,894.6
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	672.0	1,416.0	161,583.0
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	747,558	1,576,000	157,253,595

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 277

DATE MARCH 8, 2001

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	100.0 %	100.0 %	69.2 %
12. UNIT AVAILABILITY FACTOR	100.0 %	100.0 %	69.2 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	101.8 %	101.8 %	63.2 %
14. UNIT CAPACITY FACTOR (USING DER NET)	99.4 %	99.5 %	62.1 %
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

DOCKET NO. 50 - 277
UNIT NAME PEACH BOTTOM UNIT 2
DATE MARCH 8, 2001
COMPLETED BY EXELON
C. S. LEWIS
PLANT ENGINEERING
ENGINEERING DIVISION
PEACH BOTTOM ATOMIC POWER STATION
TELEPHONE (717) 456-3245

REPORT MONTH FEBRUARY, 2001

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 MARCH 8, 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: FEBRUARY, 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	672.0	1,416.0	164,619.6
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	672.0	1,416.0	160,754.9
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	724,644	1,560,828	155,504,971

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 278

DATE MARCH 8, 2001

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	100.0 %	100.0 %	70.0 %
12. UNIT AVAILABILITY FACTOR	100.0 %	100.0 %	70.0 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	98.7 %	100.8 %	64.4 %
14. UNIT CAPACITY FACTOR (USING DER NET)	96.4 %	98.5 %	62.7 %
15. UNIT FORCED OUTAGE RATE	.0 %	.0 %	9.0 %

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

DOCKET NO. 50 - 278
UNIT NAME PEACH BOTTOM UNIT 3
DATE MARCH 8, 2001
COMPLETED BY EXELON
C. S. LEWIS
PLANT ENGINEERING
ENGINEERING DIVISION
PEACH BOTTOM ATOMIC POWER STATION
TELEPHONE (717) 456-3245

REPORT MONTH FEBRUARY, 2001

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)