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June 4, 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 May 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/PRR/CSL:cms
Cbn for CSL
Enclosures

cc:
H. J. Miller, Administrator, Region I, USNRC
A.C. McMurtray, USNRC, Senior Resident Inspector, PBAPS
J. Boska, Senior Project Manager, USNRC

ccn 01-14064

IE24

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

Narrative Summary of Operating Experiences

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

At 2200, on May 18th, Unit 2 reduced power to 45%, for a rod pattern adjustment and scram time testing. The unit returned to 100% power by 0230 on May 20th.

At 1700, on May 22nd, Unit 2 reduced power to 99%, in order to troubleshoot problems that occurred with feedwater flow indication. This power reduction was taken to assure a conservative approach to reactor power, until the details of the problem were defined. Following recalibration of the feedwater flow transmitters, the unit returned to 100% power by 0300 on May 30th.

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

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

Narrative Summary of Operating Experiences

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

At 2200, on May 11th, Unit 3 reduced power to 59%, for a rod pattern adjustment and scram time testing. The unit returned to 100% power by 1600 on May 12th.

At 0835 on May 13th, Unit 3 reduced power to 90%, for a rod pattern adjustment. The unit returned to 100% power by 1115 on May 13th.

At 1200 on May 23rd, Unit 3 reduced power to 44%, to repair steam leaks in the moisture separator area. The unit returned to 100% power by 0300 on May 24th.

On May 26th, the unit began the coastdown leading up to the 3R13 refueling outage.

At 0100 on May 29th, Unit 3 reduced power to 90%, to remove the 5th feedwater heaters from service as part of coastdown. The unit returned to 100% by 0400 on May 29th.

Unit 3 ended the month of May 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 14, 2001.

3. Scheduled date for restart following refueling

   Restart following refueling is scheduled by October 9, 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 JUNE 4, 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: MAY, 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	3,623.0	168,101.6
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	744.0	3,623.0	163,790.0
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	819,198	4,037,235	159,714,831

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 277

DATE JUNE 4, 2001

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	100.0 %	100.0 %	69.4 %
12. UNIT AVAILABILITY FACTOR	100.0 %	100.0 %	69.4 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	100.7 %	102.0 %	63.5 %
14. UNIT CAPACITY FACTOR (USING DER NET)	98.4 %	99.6 %	62.5 %
15. UNIT FORCED OUTAGE RATE	.0 %	.0 %	10.2 %

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		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 JUNE 4, 2001
COMPLETED BY EXELON
C. S. LEWIS
PLANT ENGINEERING
ENGINEERING DIVISION
PEACH BOTTOM ATOMIC POWER STATION
TELEPHONE (717) 456-3245

REPORT MONTH MAY, 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 JUNE 4, 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: MAY, 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	3,623.0	166,826.6
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	744.0	3,623.0	162,961.9
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	815,227	4,018,901	157,963,044

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 278

DATE JUNE 4, 2001

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	100.0 %	100.0 %	70.3 %
12. UNIT AVAILABILITY FACTOR	100.0 %	100.0 %	70.3 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	100.3 %	101.5 %	64.7 %
14. UNIT CAPACITY FACTOR (USING DER NET)	97.9 %	99.1 %	63.0 %
15. UNIT FORCED OUTAGE RATE	.0 %	.0 %	8.9 %

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 JUNE 4, 2001
COMPLETED BY EXELON
C. S. LEWIS
PLANT ENGINEERING
ENGINEERING DIVISION
PEACH BOTTOM ATOMIC POWER STATION
TELEPHONE (717) 456-3245

REPORT MONTH MAY, 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)