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August 3, 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 July 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/PRR/CSL:cmg
PRR CSL
Enclosures

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

ccn 01-14078

IE24

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

Narrative Summary of Operating Experiences

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

At 0206, on July 1st, Unit 2 scrammed, due to the failure of an EHC system power supply. Following repairs, the unit reached critical operation again at 0101 on July 3rd, and was synchronized with the grid at 1315 on July 3rd. The unit returned to 100% power by 0600 on July 4th.

At 0207 on July 5th, Unit 2 reduced power to 85% for a rod pattern adjustment. The unit returned to 100% power by 0435 on July 4th.

At 0429 on July 14th, Unit 2 reduced power to 95%, due to observed oscillations on the intercept and control valves. This was due to the failure of the EHC backup power supply. Following troubleshooting, the unit returned to 100% power by 1700 on July 14th.

At 1000 on July 20th, Unit 2 reduced power to 21%, for the replacement of the EHC backup power supply. Following the replacement, the unit returned to 100% power by 2120 on July 21st.

At 2313 on July 22nd, Unit 2 reduced power to 95%, for a rod pattern adjustment. The unit returned to 100% power by 2337 on July 22nd.

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

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

Narrative Summary of Operating Experiences

Unit 3 began the month of July at 97% power, in the process of coastdown to the 3R13 refueling outage, with the 4th and 5th feedwater heaters out of service.

Unit 3 continued the coastdown process during the entire month of July, with no other power changes.

Unit 3 ended the month of July at 87% power, in the process of coastdown to the 3R13 refueling outage, with the 4th and 5th feedwater heaters out of service.

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?

   no

   If answer is yes, what, in general, will these be?

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 3R13 reload will consist of 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 - 2713 Fuel Assemblies, 16 Fuel Rods
   (c) Interim Spent Fuel Storage Installation – 340 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.

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 AUGUST 2, 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 JULY, 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	697.1	5,040.1	169,518.7
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	684.8	5,027.8	165,194.8
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MW	725,190	5,552,955	161,230,550

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 277

DATE AUGUST 2, 2001

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	92.0 %	98.8 %	69.6 %
12. UNIT AVAILABILITY FACTOR	92.0 %	98.8 %	69.6 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	89.2 %	99.9 %	63.7 %
14. UNIT CAPACITY FACTOR (USING DER NET)	87.1 %	97.6 %	62.7 %
15. UNIT FORCED OUTAGE RATE	11.7 %	1.8 %	10.2 %

16. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH):
(717) 456-4846

17. IF SHUTDOWN AT THE END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: (717) 456-4846

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 AUGUST 2, 2001
COMPLETED BY EXELON
C. S. LEWIS
PLANT ENGINEERING
ENGINEERING DIVISION
PEACH BOTTOM ATOMIC POWER STATIO
TELEPHONE (717) 456-3245

REPORT MONTH JULY, 2001

NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
1	010701	F	59.2	A	3	REACTOR POWER WAS REDUCED TO 0% DUE TO FAILURE OF EHC POWER SUPPLY MODULE.
	TOTAL HOURS		59.2			

(1)

F - FORCED
S - SCHEDULED

(2)

REASON
A - EQUIPMENT FAILURE (EXPLAIN
B - MAINTENANCE OR TEST
C - REFUELING
D - REGULATORY RESTRICTION
E - OPERATOR TRAINING + LICENSE EXAMINATIO
F - ADMINISTRATIVE
G - OPERATIONAL ERROR (EXPLAIN
H - OTHER (EXPLAIN)

(3)

METHOD
1 - MANUAL
2 - MANUAL SCRA
3 - AUTOMATIC SCRAM
4 - OTHER (EXPLAIN)

OPERATING DATA REPORT

DOCKET NO. 50 - 278
DATE AUGUST 2, 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 JULY, 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	5,087.0	168,290.6
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	744.0	5,087.0	164,425.9
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MW	712,664	5,497,197	159,441,340

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 278

DATE AUGUST 2, 2001

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	100.0 %	100.0 %	70.5 %
12. UNIT AVAILABILITY FACTOR	100.0 %	100.0 %	70.5 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	87.6 %	98.9 %	64.9 %
14. UNIT CAPACITY FACTOR (USING DER NET)	85.6 %	96.6 %	63.2 %
15. UNIT FORCED OUTAGE RATE	.0 %	.0 %	8.9 %

16. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH):
(717) 456-4846

17. IF SHUTDOWN AT THE END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: (717) 456-4846

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 AUGUST 2, 2001
COMPLETED BY EXELON
C. S. LEWIS
PLANT ENGINEERING
ENGINEERING DIVISION
PEACH BOTTOM ATOMIC POWER STATIO
TELEPHONE (717) 456-3245

REPORT MONTH JULY, 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 EXAMINATIO
F - ADMINISTRATIVE
G - OPERATIONAL ERROR (EXPLAIN
H - OTHER (EXPLAIN)

(3)

METHOD
1 - MANUAL
2 - MANUAL SCRA
3 - AUTOMATIC SCRAM
4 - OTHER (EXPLAIN)