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Peach Bottom Atomic Power Station
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Nuclear

November 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 October 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. McMurtry, USNRC, Senior Resident Inspector, PBAPS

ccn 01-14103

IE 24

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

Narrative Summary of Operating Experiences

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

At 12:00 on October 5th, Unit 2 reduced indicated core thermal power by 3 MWth, to assure that the Unit was not operating above the expected value of 3458 MWth, due to concerns over moisture fraction calculations. This power reduction remained in effect until the moisture fraction calculation constants were updated on both Units, at 0255 on October 13th. Following those updates, the Unit returned to 100% indicated power.

At 1102, on October 23rd, Unit 2 automatically scrambled from 100% power, due to a ground in the generator "A" phase bus work, which locked out the generator and caused fast closure of the inlet control valves. Following investigation and removal of the ground, the Unit went critical on October 27th, at 2306. The Unit was synchronized to the grid at 0355 on October 29th, and returned to 100% power by 0715 on October 30th.

On October 30th, at 1729, the Unit reduced power to 95% for a rod pattern adjustment. The Unit returned to 100% power by 1743 on October 30th.

On October 31st, at 0420, the Unit reduced power to 84% for a rod pattern adjustment. The Unit returned to 100% power by 0608 on October 31st.

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

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

Narrative Summary of Operating Experiences

Unit 3 began the month of October at 0% power, in cold shutdown, for the 3R13 refueling outage.

At 2358 on October 8th, Unit 3 went critical following the successful completion of the 3R13 refueling outage. The Unit was synchronized to the grid at 2135 on October 9th, and reached 100% power by 1850 on October 12th.

On October 13th, at 0140, Unit 3 reduced power to 93.3%, to keep core flow less than 94.2 million lbs/hr, thus assuring less than 100% core flow, due to concerns over moisture fraction calculations. The moisture fraction calculations were updated by 0255 on October 13th, and the Unit returned to 100% power shortly afterwards.

On October 13th, at 1500, the Unit reduced power to 59%, for a rod pattern adjustment. The Unit returned to 100% power by 0551 on October 14th.

On October 16th, at 2310, the Unit reduced power to 91% for a rod pattern adjustment, and for max core flow data collection. The Unit returned to 100% power by 0130 on October 17th.

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, 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 began September 14, 2001.

3. Scheduled date for restart following refueling

Unit 3 synchronized to the grid on 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 consisted of 284 GE-14 bundles. This was 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 – 2997 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 38 accessible licensed rack locations are 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 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: OCTOBER, 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	636.9	7,141.0	171,619.6
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	608.0	7,099.8	167,266.8
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	655,717	7,751,617	163,429,212

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 277
DATE NOVEMBER 6, 2001

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	81.6 %	97.3 %	69.8 %
12. UNIT AVAILABILITY FACTOR	81.6 %	97.3 %	69.8 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	80.5 %	97.2 %	64.0 %
14. UNIT CAPACITY FACTOR (USING DER NET)	78.7 %	94.9 %	62.9 %
15. UNIT FORCED OUTAGE RATE	18.4 %	3.1 %	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
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DATE NOVEMBER 6, 2001
COMPLETED BY EXELON
C. S. LEWIS
PLANT ENGINEERING
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PEACH BOTTOM ATOMIC POWER STATION
TELEPHONE (717) 456-3245

REPORT MONTH OCTOBER, 2001

NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
2	231001	F	137.0	A	3	REACTOR POWER WAS REDUCED TO 0% DUE TO GENERATOR GROUND ON THE A PHASE BUS WORK.
TOTAL HOURS			137.0			

(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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 C. S. LEWIS
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 ENGINEERING DIVISION
 PEACH BOTTOM ATOMIC POWER STATION
 TELEPHONE (717) 456-3245

OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 3
 2. REPORTING PERIOD: OCTOBER, 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	553.0	6,711.9	169,915.5
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	532.5	6,690.4	166,029.3
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	541,380	6,901,348	160,845,491

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 278

DATE NOVEMBER 6, 2001

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	71.5 %	91.7 %	70.5 %
12. UNIT AVAILABILITY FACTOR	71.5 %	91.7 %	70.5 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	66.5 %	86.5 %	64.8 %
14. UNIT CAPACITY FACTOR (USING DER NET)	64.9 %	84.5 %	63.1 %
15. UNIT FORCED OUTAGE RATE	.0 %	.0 %	8.8 %
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

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REPORT MONTH OCTOBER, 2001

NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
1	140901	S	212.5	C	1	REACTOR POWER WAS REDUCED TO 0% DUE TO REFUELING OUTAGE.
TOTAL HOURS			212.5			

(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)