

Exelon Nuclear
Peach Bottom Atomic Power Station
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Nuclear

October 3, 2002

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 September 2002 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
NPA CSL

Enclosures

cc:

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

ccn 02-14072

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Peach Bottom Atomic Power Station
Unit 2
September 1 through September 30, 2002

Narrative Summary of Operating Experiences

Unit 2 began the month of September at 88% power, in coastdown to 2R14, with the 4th and 5th feedwater heaters out of service.

At 2142, on September 2nd, Unit 2 reduced power to 69%, from 88%, to put the 4A and 4C feedwater heaters back in service, and remove the B string from service. Under the new configuration, the Unit returned to 88% power by 0316 on September 3rd.

At 1500, on September 10th, the Unit 2 Turbine-Generator was tripped, and at 1505 on the same day, the reactor was manually shutdown. This was a planned operation, in support of the Unit 2, 2R14 refueling outage.

Unit 2 ended the month of September at 0% power, in mode 5 (refueling), for the 2R14 refueling outage.

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Peach Bottom Atomic Power Station
Unit 3
September 1 through September 30, 2002

Narrative Summary of Operating Experiences

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

At 2200, on September 6th, Unit 3 reduced power to 61%, for a planned rod sequence exchange and scram time testing. The Unit returned to 100% power by 1635 on September 7th.

At 2253 on September 8th, Unit 3 reduced power to 93% for a planned follow-up rod pattern adjustment. The Unit returned to 100% power by 2353 on September 8th.

At 1900 on September 23rd, Unit 3 reduced power to 99%, due to the failure of a final feedwater temperature element. Following the substitution of an appropriate value in the plant computer, the Unit returned to 100% power by 0239 on September 24th.

Unit 3 ended the month of September at 100% power.

UNIT 2 REFUELING INFORMATION

1. Name of facility:

Peach Bottom Unit 2

2. Scheduled date for next refueling shutdown:

Reload 15 is scheduled for September 22, 2004.

3. Scheduled date for restart following refueling:

Restart following refueling forecast for October 7, 2004.

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. Cycle 15 Safety Limit MCPR Change. NRC approval obtained 9/23/02.

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

a.

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 consisted of 284 GE-14 bundles. This was the second reload of GE-14 fuel. Core verification was completed on 9/26/02.

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 - 2908 Fuel Assemblies, 58 Fuel Rods
- (c) Interim Spent Fuel Storage Installation - 608 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:

Based on projected dry cask storage schedules and reload batch sizes, a full core discharge will remain available throughout plant life.

UNIT 3 REFUELING INFORMATION

1. Name of facility:

Peach Bottom Unit 3

2. Scheduled date for next refueling shutdown:

Reload 14 is scheduled for September 22, 2003.

3. Scheduled date for restart following refueling

Restart following refueling forecast for October 7, 2003.

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 15 Safety Limit MCPR Change.

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

a.) Submittal anticipated July 2003.

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 3R14 reload will consist of approximately 284 GE-14 bundles. This will be the second 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, 6 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:

Based on projected dry cask storage schedules and reload batch sizes, a full core discharge will remain available throughout plant life.

OPERATING DATA REPORT

DOCKET NO 50 - 277
 DATE OCTOBER 8, 2002
 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 _____ SEPTEMBER, 2002
 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	231 0	6,062 0	179,145 6
7. REACTOR RESERVE SHUTDOWN HOURS	0 0	0 0	0 0
8 HOURS GENERATOR ON-LINE	231 0	6,062 0	174,792.8
9. UNIT RESERVE SHUTDOWN HOURS	0 0	0 0	0 0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	203,247	6,580,311	171,627,144

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 277

DATE OCTOBER 8, 2002

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	32.1 %	92.5 %	70.6 %
12. UNIT AVAILABILITY FACTOR	32.1 %	92.5 %	70.6 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	25.8 %	91.9 %	64.9 %
14. UNIT CAPACITY FACTOR (USING DER NET)	25.2 %	89.8 %	63.8 %
15. UNIT FORCED OUTAGE RATE	0 %	0 %	9.8 %
16. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH): (717) 456-4248			
17. IF SHUTDOWN AT THE END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP.		(717) 456-4248	
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
 PLANT ENGINEERING
 ENGINEERING DIVISION
 PEACH BOTTOM ATOMIC POWER STATION
 TELEPHONE (717) 456-3245

REPORT MONTH SEPTEMBER, 2002

NO	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
1	091002	S	488.9	C	1	REACTOR POWER WAS REDUCED TO 0% DUE TO 2R14 REFUELING OUTAGE.
TOTAL HOURS			488.9			

(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 OCTOBER 8, 2002
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. SEPTEMBER, 2002
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	720 0	6,551 0	177,930.5
7. REACTOR RESERVE SHUTDOWN HOURS	0 0	0 0	0 0
8. HOURS GENERATOR ON-LINE	720 0	6,531.4	174,024 8
9. UNIT RESERVE SHUTDOWN HOURS	0 0	0 0	0 0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	789,691	7,176,502	169,645,084

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 278

DATE OCTOBER 8, 2002

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	100 0 %	99 7 %	71 5 %
12. UNIT AVAILABILITY FACTOR	100 0 %	99.7 %	71.5 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	100 3 %	100 2 %	66 0 %
14. UNIT CAPACITY FACTOR (USING DER NET)	98 0 %	97 9 %	64 3 %
15. UNIT FORCED OUTAGE RATE	0 %	.3 %	8.4 %
16. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH) (717) 456-4248			
17. IF SHUTDOWN AT THE END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: (717) 456-4248			
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 SEPTEMBER, 2002

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)