

PHILADELPHIA ELECTRIC COMPANY

PEACH BOTTOM ATOMIC POWER STATION

R. D. 1, Box 208

Delta, Pennsylvania 17314

(717) 456-7014



PEACH BOTTOM—THE POWER OF EXCELLENCE

D. B. Miller, Jr.
Vice President

September 15, 1993

Docket Nos. 50-277
50-278

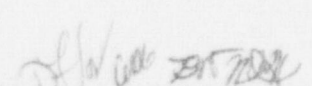
U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

SUBJECT: Peach Bottom Atomic Power Station Monthly Operating Report

Gentlemen:

Enclosed are twelve copies of the monthly operating report for Peach Bottom Units 2 and 3 for the month of August 1993 forwarded pursuant to Technical Specification 6.9.1.d under the guidance of Regulatory Guide 10.1, Revision 4.

Sincerely,


DBM/AJW/GHG/TJN/MSH:wjj

Enclosure

- cc: R.A. Burricelli, Public Service Electric & Gas
- W.P. Dornsife, Commonwealth of Pennsylvania
- R.I. McLean, State of Maryland
- T.T. Martin, Administrator, Region I, USNRC
- B.S. Norris, USNRC, Senior Resident Inspector
- H.C. Schwemm, Atlantic Electric
- C.D. Schaefer, Delmarva Power
- INPO Records Center

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NRC Monthly Operations Summary
Peach Bottom Atomic Power Station
August 1993

UNIT 2

Unit 2 began the month at nominal 100% power and operated at that level until August 11th when the unit was shutdown to complete the Reactor Water Level Instrumentation Mod. Unit 2 was restarted on August 20th and achieved 100% nominal power on August 21st. The unit operated at that level for the remainder of August.

UNIT 3

- Unit 3 began the month in a power ascension mode and achieved approximately 95% power on August 2nd. On August 5th reactor power was reduced to approximately 450 M'W due to high temperature on "3B" recirc pump seal. After seal temperatures returned to normal and seal pressures stabilized reactor power was increased. On August 6th reactor power was again reduced to temporarily remove the fifth stage feedwater heaters from service. These heaters were isolated for power optimization during fuel coastdown. Unit 3 was returned to approximately 95% power on August 7th and operated in a fuel coastdown mode for the remainder of August.

UNIT 2 REFUELING INFORMATION

1. Name of facility:

Peach Bottom Unit 2

2. Scheduled date for next refueling shutdown:

Reload 10 scheduled for September 10, 1994.

3. Scheduled date for restart following refueling:

Restart following refueling forecast for December 8, 1994.

4. Will refueling or resumption of operation therefore 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:

N/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:

N/A

UNIT 2 REFUELING INFORMATION (Continued)

7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool:
- (a) Core - 764 Fuel Assemblies
 - (b) Fuel Pool - 2164 Fuel Assemblies, 58 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.

9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present capacity:

September 2003 without full core offload capability.

September 1997 with full core offload capability.

UNIT 3 REFUELING INFORMATION

1. Name of facility:

Peach Bottom Unit 3

2. Scheduled date for next refueling shutdown:

Reload 9 scheduled for September 17, 1993

3. Scheduled date for restart following refueling

Restart following refueling scheduled for November 12, 1993

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?

92-19 Change safety limit MCPR for Cycle 10
93-01 ARTS/MELLA
93-06 Drywell Rad Monitors

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

92-19 Submitted February 1993
93-01 Submitted April 1993
93-06 Scheduled for April 1993

UNIT 3 REFUELING INFORMATION (Continued)

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:

N/A

7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool:

(a) Core - 764 Fuel Assemblies

(b) Fuel Pool - 1945 Fuel Assemblies, 6 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.

9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present capacity:

September 2004 without full core offload capability.

September 1998 with full core offload capability.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 277

UNIT PEACH BOTTOM UNIT 2

DATE September 10, 1993

COMPANY PHILADELPHIA ELECTRIC COMPANY

W. J. JEFFREY
 PERFORMANCE & RELIABILITY
 SITE ENGINEERING
 PEACH BOTTOM ATOMIC POWER STATION

TELEPHONE (717) 456-7014 EXT. 4027

MONTH AUGUST 1993

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1037	17	0
2	1036	18	0
3	1036	19	0
4	1037	20	241
5	1041	21	903
6	1042	22	1023
7	1050	23	1040
8	1037	24	1037
9	1037	25	1033
10	1041	26	1037
11	871	27	1037
12	0	28	1038
13	0	29	1036
14	0	30	1035
15	0	31	1033
16	0		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 278

UNIT PEACH BOTTOM UNIT 3

DATE September 10, 1993

COMPANY PHILADELPHIA ELECTRIC COMPANY

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PERFORMANCE & RELIABILITY
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PEACH BOTTOM ATOMIC POWER STATION

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MONTH AUGUST 1993

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	676	17	982
2	969	18	974
3	1008	19	968
4	984	20	968
5	573	21	965
6	947	22	956
7	982	23	952
8	982	24	952
9	994	25	940
10	998	26	935
11	992	27	932
12	997	28	924
13	994	29	914
14	982	30	910
15	977	31	918
16	981		

OPERATING DATA REPORT

DOCKET NO. 50 - 277

DATE September 10, 1993

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

W. J. JEFFREY
 PERFORMANCE & RELIABILITY
 SITE ENGINEERING
 PEACH BOTTOM ATOMIC POWER STATION
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OPERATING STATUS

- 1. UNIT NAME: PEACH BOTTOM UNIT 2
- 2. REPORTING PERIOD: AUGUST, 1993
- 3. LICENSED THERMAL POWER(MWT): 3293
- 4. NAMEPLATE RATING (GROSS MWE): 1152
- 5. DESIGN ELECTRICAL RATING (NET MWE): 1065
- 6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 1098
- 7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 1051

NOTES:

- 8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS:
- 9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE):
- 10. REASONS FOR RESTRICTIONS, IF ANY:

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744	5,831	167,951
12. NUMBER OF HOURS REACTOR WAS CRITICAL	546.0	5,009.0	103,393.1
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	546.0	4,852.0	99,501.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,758,326	15,524,464	295,894,208
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	568,800	5,114,900	97,287,290
18. NET ELECTRICAL ENERGY GENERATED (MWH)	543,784	4,935,966	93,222,685

DATE September 10, 1993

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	73.4	83.2	59.2
20. UNIT AVAILABILITY FACTOR	73.4	83.2	59.2
21. UNIT CAPACITY FACTOR (USING MDC NET)	69.5	80.5	52.8
22. UNIT CAPACITY FACTOR (USING DER NET)	68.6	79.5	52.1
23. UNIT FORCED OUTAGE RATE	0.0	4.2	14.0

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: N/A

26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):	FOPE-AST	ACHIEVED
INITIAL CRITICALITY		09/16/73
INITIAL ELECTRICITY		02/18/74
COMMERCIAL OPERATION		07/05/74

OPERATING DATA REPORT

DOCKET NO. 50 - 278

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OPERATING STATUS

- 1. UNIT NAME: PEACH BOTTOM UNIT 3
- 2. REPORTING PERIOD: AUGUST, 1993
- 3. LICENSED THERMAL POWER(MWT): 3293
- 4. NAMEPLATE RATING (GROSS MWE): 1152
- 5. DESIGN ELECTRICAL RATING (NET MWE): 1065
- 6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 1098
- 7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 1035

NOTES:

- 8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS:
- 9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE):
- 10. REASONS FOR RESTRICTIONS, IF ANY:

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744	5,831	163,847
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	5,405.0	103,463.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	744.0	5,386.0	100,083.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,320,490	16,646,445	295,227,655
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	733,500	5,410,900	96,851,032
18. NET ELECTRICAL ENERGY GENERATED (MWH)	701,407	5,219,334	92,885,300

 DATE September 10, 1993

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0	92.4	61.1
20. UNIT AVAILABILITY FACTOR	100.0	92.4	61.1
21. UNIT CAPACITY FACTOR (USING MDC NET)	91.1	86.5	54.8
22. UNIT CAPACITY FACTOR (USING DER NET)	88.5	84.0	53.2
23. UNIT FORCED OUTAGE RATE	0.0	2.8	12.2
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: 11/14/93

26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):	FORECAST	ACHIEVED
INITIAL CRITICALITY		08/07/74
INITIAL ELECTRICITY		09/01/74
COMMERCIAL OPERATION		12/23/74

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 277

UNIT NAME PEACH BOTTOM UNIT 2

DATE September 10, 1993

REPORT MONTH AUGUST, 1993

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

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NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
17	930811	S	99.0	H	2	N/A	IE	INSTRU	MAINTENANCE OUTAGE FOR REACTOR WATER LEVEL MODIFICATION
			----- 99.0						

(1)

(2)

(3)

(4)

F - FORCED
 S - SCHEDULED

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)

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

EXHIBIT G - INSTRUCTIONS
 FOR PREPARATION OF DATA
 ENTRY SHEETS FOR LICENSEE
 EVENT REPORT (LER)
 FILE (NUREG-0161)

(5)

EXHIBIT I - SAME SOURCE

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 278

UNIT NAME PEACH BOTTOM UNIT 3

DATE September 10, 1993

REPORT MONTH AUGUST, 1993

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NO.	DATE	TYPE (1)	DURATION (HOURS) (2)	REASON (3)	METHOD OF SHUTTING DOWN REACTOR (4)	LICENSEE EVENT REPORT #	SYSTEM CODE (5)	COMPONENT CODE (6)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
18	930805	F	24.0	A	4	N/A	CB	PUMPXX	"38" RECIRC PUMP SEAL HIGH TEMPERATURE. REACTOR NOT SHUTDOWN.
19	930806	S	11.0	H	4	N/A	CH	HTEXCH	ISOLATION OF FIFTH STAGE FEEDWATER HEATERS FOR POWER OPTIMIZATION. REACTOR NOT SHUTDOWN.
			----- 35.0						

(1)

(2)

(3)

(4)

F - FORCED
 S - SCHEDULED

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)

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

EXHIBIT G - INSTRUCTIONS
 FOR PREPARATION OF DATA
 ENTRY SHEETS FOR LICENSEE
 EVENT REPORT (LER)
 FILE (NUREG-0161)

(5)

EXHIBIT I - SAME SOURCE