

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

February 9, 1993

Encket 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 January 1993 forwarded pursuant to Technical Specification 6.9.1.d under the guidance of Regulatory Guide 10.1, Revision 4.

Sincerely,

Ken Powers
for D.B. Miller Jr.

DBM
DBM/AAF/TJN/DRM/MJB:cmc

Enclosure

cc: R.A. Burricelli, Public Service Electric & Gas
T.M. Gerusky, Commonwealth of Pennsylvania
J.J. Lyash, USNRC Senior Resident Inspector
R.I. McLean, State of Maryland
T.T. Martin, Administrator, Region I, USNRC
H.C. Schwemm, Atlantic Electric
C.D. Schaefer, Delmarva Power
INPO Records Center

CC0193.NK.C

180101
9302180169 930131
PDR ADC-K 05000277
R PDR

JE24

NRC Monthly Operations Summary
Peach Bottom Atomic Power Station
January 1993

UNIT 2

Unit 2 began the month at reduced power because of turbine control valve oscillation concerns. Unit 2 shut down on January 2 for a maintenance outage to replace a recirc pump seal and repair EHC problems. Unit 2 began producing power on January 16. A delay in synchronizing the generator occurred as a result of EHC electronic control problems experienced during the turbine roll. Power was reduced briefly on January 18 for vibration inspection of the 2B reactor feed pump, and on January 19 for feedwater maintenance acceptance testing. Power levels stayed at 100% until January 21 when MSIV stroke time testing required a drop to 75%. The following morning, a load drop to approximately 80% was necessary to repair the "C" reactor feed pump. Full power was restored following repairs and remained at nominal 100% until power dropped on January 28 and January 29 in response to another maintenance acceptance test. Unit 2 returned to nominal full power after testing.

UNIT 3

Unit 3 operated at nominal 100% power for the entire month. There was a brief load drop on January 23 to perform flux tilt testing and a rod pattern adjustment.

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 4, 1993

3. Scheduled date for restart following refueling

Restart following refueling scheduled for November 29, 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 MLPR for Cycle 10

92-13 CAD analyzer replacement

93-01 ARTS/MELLA

93-06 Drywell Rad Monitors

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

92-19 Scheduled for February 1993

92-13 Scheduled for February 1993

93-01 Scheduled for April 1993

93-06 Scheduled for April 1993

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 3 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 - 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 FEBRUARY 15, 1993

COMPANY PHILADELPHIA ELECTRIC COMPANY

M. J. BARON

SUPERVISOR

REPORTS GROUP

PEACH BOTTOM ATOMIC POWER STATION

TELEPHONE (717) 456-7014 EXT. 3321

MONTH JANUARY 1993

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	672	17	518
2	2	18	1022
3	0	19	1039
4	0	20	1058
5	0	21	1063
6	0	22	1014
7	0	23	857
8	0	24	997
9	0	25	997
10	0	26	1067
11	0	27	1071
12	0	28	1038
13	0	29	880
14	0	30	1063
15	0	31	1068
16	0		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 278

UNIT PEACH BOTTOM UNIT 3

DATE FEBRUARY 15, 1993

COMPANY PHILADELPHIA ELECTRIC COMPANY

M. J. BARON

SUPERVISOR

REPORTS GROUP

PEACH BOTTOM ATOMIC POWER STATION

TEL. HOME (717) 456-7014 EXT. 3321

MONTH JANUARY 1993

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1050	17	1057
2	1040	18	1049
3	1045	19	1049
4	1046	20	1053
5	1048	21	1044
6	1044	22	1036
7	1042	23	1030
8	1038	24	1050
9	1063	25	1050
10	1046	26	1054
11	1046	27	1049
12	1045	28	1053
13	1048	29	1042
14	1039	30	1050
15	1042	31	1059
16	1046		

OPERATING DATA REPORT

DOCKET NO. 50 - 277

DATE FEBRUARY 15, 1993

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

M. J. BARON

SUPERVISOR

REPORTS GROUP

PEACH BOTTOM ATOMIC POWER STATION

TELEPHONE (717) 456-7014 EXT. 3321

OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 2
2. REPORTING PERIOD: JANUARY, 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): 1055

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	744	162,864
12. NUMBER OF HOURS REACTOR WAS CRITICAL	472.0	472.0	98,856.1
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	387.0	387.0	95,036.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,195,330	1,195,330	281,565,074
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	381,000	381,000	92,553,390
18. NET ELECTRICAL ENERGY GENERATED (MWH)	368,624	368,624	88,655,343

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 277

	----- DATE FEBRUARY 15, 1993 -----		
	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	52.0	52.0	58.4
20. UNIT AVAILABILITY FACTOR	52.0	52.0	58.4
21. UNIT CAPACITY FACTOR (USING MDC NET)	47.0	47.0	51.6
22. UNIT CAPACITY FACTOR (USING DER NET)	46.5	46.5	51.1
23. UNIT FORCED OUTAGE RATE	0.0	0.0	14.4
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):	FORECAST	ACHIEVED
INITIAL CRITICALITY		09/16/73
INITIAL ELECTRICITY		02/18/74
COMMERCIAL OPERATION		07/05/74

OPERATING DATA REPORT

DOCKET NO. 50 - 278

DATE FEBRUARY 15, 1993

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

M. J. BARON

SUPERVISOR

REPORTS GROUP

PEACH BOTTOM ATOMIC POWER STATION

TELEPHONE (717) 456-7014 EXT. 3321

OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 3
2. REPORTING PERIOD: JANUARY, 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	744	158,760
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	744.0	98,802.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	744.0	744.0	95,441.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,434,714	2,434,714	281,015,924
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	802,600	802,600	92,242,732
18. NET ELECTRICAL ENERGY GENERATED (MWH)	778,824	778,824	88,442,790

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 278

DATE FEBRUARY 15, 1993

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0	100.0	60.1
20. UNIT AVAILABILITY FACTOR	100.0	100.0	60.1
21. UNIT CAPACITY FACTOR (USING MDC NET)	101.1	101.1	53.8
22. UNIT CAPACITY FACTOR (USING DER NET)	98.3	98.3	52.3
23. UNIT FORCED OUTAGE RATE	0.0	0.0	12.6
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):	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 FEBRUARY 15, 1993

REPORT MONTH JANUARY, 1993

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

M. J. BARON

SUPERVISOR

REPORTS GROUP

PEACH BOTTOM ATOMIC POWER STATION

TELEPHONE (717) 456-7014 EXT. 3321

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
1	930101	F	0.0		4	N/A	HB	VALVEX	TURBINE CONTROL VALVE OSCILLATION REACTOR NOT SHUTDOWN
2	930102	S	357.0	H	1	N/A	RC	FUELXX	MAINTENANCE OUTAGE
3	930122	F	0.0	A	4	N/A	CH	PUMPXX	2C REACTOR FEED PUMP REPAIR REACTOR NOT SHUT DOWN
4	930129	S	0.0	B	4	N/A	CB	PUMPXX	2A RECIRC PUMP TRIP REACTOR NOT SHUT DOWN
			357.0						

(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 FEBRUARY 15, 1993

REPORT MONTH JANUARY, 1993

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

M. J. BARON

SUPERVISOR

REPORTS GROUP

PEACH BOTTOM ATOMIC POWER STATION

TELEPHONE (717) 456-7014 EXT. 3321

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
1	930123	S	0.0	H	4	N/A	RB	CONROD	FLUX TILT TESTING REACTOR NOT SHUT DOWN

(1)

(2)

(3)

(4)

F - FORCED
S - SCHEDULEDREASON
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