



PEACH BOTTOM—THE POWER OF EXCELLENCE

PHILADELPHIA ELECTRIC COMPANY

PEACH BOTTOM ATOMIC POWER STATION

R. D. 1, Box 208

Delta, Pennsylvania 17314

(717) 456-7014

D. M. Smith
Vice President

July 14, 1989

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 June, 1989 forwarded pursuant to Technical Specification 6.9.1.d under the guidance of Regulatory Guide 10.1, Revision 4.

Sincerely,

^{MJB}
DMS/MJB:cmc

^{Tac}
Enclosure

- cc: R.A. Burricelli, Public Service Electric & Gas
- T.M. Gerusky, Commonwealth of Pennsylvania
- T.P. Johnson, USNRC Senior Resident Inspector
- T.E. Magette, State of Maryland
- W.T. Russell, Administrator, Region I, USNRC
- H.C. Schwemm, Atlantic Electric
- J. Urban, Delmarva Power
- INPO Records Center

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NRC Monthly Operations Summary
Peach Bottom Atomic Power Station
June 1989

UNIT 2

The unit began the month in the "run" mode at 33% power and 200 MWe. The Power Ascension program continued throughout the month. Scram time testing of control rods was completed and several back-shift power level changes were completed for cold license operator training. A planned turbine trip from 18% power was performed to demonstrate plant response; a high voltage fuse on the voltage regulator potential transformer was replaced after the trip. The unit ended the month at 68% power and 700 MWe.

UNIT 3

The unit remained shut down during the report period with modification activities in progress.

UNIT 2 REFUELING INFORMATION

1. Name of facility:
Peach Bottom Unit 2
2. Scheduled date for next refueling shutdown:
 - (1) Reload 7 completed
 - (2) Reload 8 scheduled for January 6, 1991
3. Scheduled date for restart following refueling:
 - (1) Completion of Power Ascension and Operator training targeted for mid-August 1989.
 - (2) Restart following refueling scheduled for April 6, 1991
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:
Not applicable.
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:
Refueling completed.
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 - 1734 Fuel Assemblies, 58 Fuel Rods

UNIT 2 REFUELING INFORMATION (Continued)

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:
 - (1) Reload 7 in progress
 - (2) Reload 8 scheduled for August 31, 1991
3. Scheduled date for restart following refueling
 - (1) Restart following refueling scheduled for September 30, 1989
 - (2) Restart following refueling scheduled for October 29, 1991
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?
 - (1) Cycle 8 Reload Amendment
 - (2) Minimum SRM Count Amendment
5. Scheduled date(s) for submitting proposed licensing action and supporting information:
 - (1) Cycle 8 Reload License Amendment submitted July 1988
 - (2) Minimum SRM Count Amendment submitted December 1988
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:
None expected.

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 - 0 Fuel Assemblies (764 assemblies offloaded during outage)
 - (b) Fuel Pool - 2260 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. This modification began on February 20, 1987. The completion date for this modification has been rescheduled for the first quarter of 1990 to accommodate the Unit 3 outage.
9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present capacity:
- With the current fuel pool capacity (prior to the completion of the fuel pool reracking modification):
September 1996 without full core offload capability.
End of next cycle with full core offload capability (est. January 1991).
With increased fuel pool capacity (subsequent to the completion of the fuel pool reracking modification):
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 JULY 15, 1989

COMPANY PHILADELPHIA ELECTRIC COMPANY

M. J. BARON
SUPERVISOR
REPORTS GROUP
PEACH BOTTOM ATOMIC POWER STATION

TELEPHONE (717) 457-7014 EXT. 3321

MONTH JUNE 1989

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	251	17	269
2	257	18	226
3	255	19	69
4	249	20	178
5	259	21	270
6	256	22	265
7	261	23	269
8	256	24	271
9	262	25	271
10	264	26	269
11	269	27	265
12	258	28	290
13	266	29	390
14	262	30	348
15	270		
16	269		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 278

UNIT PEACH BOTTOM UNIT 3

DATE JULY 15, 1989

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MONTH JUNE 1989

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	0
9	0	25	0
10	0	26	0
11	0	27	0
12	0	28	0
13	0	29	0
14	0	30	0
15	0		
16	0		

OPERATING DATA REPORT

DOCKET NO. 50 - 277

DATE JULY 15, 1989

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

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OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 2
2. REPORTING PERIOD: JUNE, 1989
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: UNIT 2 IN POWER ASCENSION
 AS OF APRIL 26, 1989

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	720	4,343	131,399
12. NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	1,358.9	75,555.7
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	704.6	885.5	72,752.3
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	759,336	922,704	213,733,449
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	201,090	235,560	70,254,790
18. NET ELECTRICAL ENERGY GENERATED (MWH)	187,607	196,800	67,188,916

DATE JULY 15, 1989

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	97.9	20.4	55.4
20. UNIT AVAILABILITY FACTOR	97.9	20.4	55.4
21. UNIT CAPACITY FACTOR (USING MDC NET)	24.8	4.3	48.7
22. UNIT CAPACITY FACTOR (USING DER NET)	24.5	4.3	48.0
23. UNIT FORCED OUTAGE RATE	2.1	6.5	14.6
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH): REFUELING OUTAGE			

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

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

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OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 3
2. REPORTING PERIOD: JUNE, 1989
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
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:

NOTES: UNIT 3 REMAINED SHUT DOWN
 WITH MODIFICATION
 ACTIVITIES IN PROGRESS.

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	720	4,343	127,295
12. NUMBER OF HOURS REACTOR WAS CRITICAL	0	0	76,357.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	0.0	0.0	73,929.3
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	0	0	215,278,901
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	0	0	70,611,432
18. NET ELECTRICAL ENERGY GENERATED (MWH)	* -2,613	* -25,909	67,627,246

DATE JULY 15, 1989

	THIS MONTH	YR--TO--DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	0.0	0.0	58.1
20. UNIT AVAILABILITY FACTOR	0.0	0.0	58.1
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	0.0	51.3
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	0.0	49.9
23. UNIT FORCED OUTAGE RATE	0.0	0.0	13.3

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: September 30, 1989

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 JULY 15, 1989

REPORT MONTH JUNE, 1989

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

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NO.	DATE	TYPE (1)	DURATION (HOURS) (2)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
2	890618	F	000.0	A	4 (Note 1)	N/A	EB	CKTBRK	GENERATOR AUTOMATIC VOLTAGE REGULATOR POTENTIAL TRANSFORMER FUSE BLEW
3	890619	F	015.4	A	4 (Note 1)	N/A	EB	CKTBRK	REPLACE FUSE IN POTENTIAL TRANSFORMER
4	890630	S	000.0 <hr/> 15.4	B	4 (Note 1)	N/A	CH	PUMPXX	REACTOR FEED PUMP POWER ASCENSION TESTING

(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

Note 1: Power reduction only. Reactor was not shut down.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 278

UNIT NAME PEACH BOTTOM UNIT 3

DATE JULY 15, 1989

REPORT MONTH JUNE, 1989

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NO.	DATE	TYPE (1)	DURATION (HOURS) (2)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
7	890601	S	720.0 <hr/> 720.0	C	1	N/A	RC	FUELXX	CONTINUATION OF REFUEL OUTAGE

(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