



PEACH BOTTOM--THE POWER OF EXCELLENCE

PHILADELPHIA ELECTRIC COMPANY

PEACH BOTTOM ATOMIC POWER STATION

R. D. 1, Box 208
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(717) 456-7014

D. M. Smith
Vice President

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

Sincerely,

^{MJB}
DMS/TEC/MJB:cmc

^{TEC}
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
August 1989

UNIT 2

The unit began the month in the "Run" mode at 84% power. Power was increased to above 95% and a 100 hour continuous run was performed. A momentary actuation of the "J" MSRVR occurred because of personnel error during surveillance testing. The plant response was proper, the error was corrected and surveillance testing was completed. Power was reduced to below 30% for troubleshooting a failure on a turbine control valve pressure switch. A repair was made and the unit was returned to 100% power, where it ended the month.

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 September 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 forecast for October 27, 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
 - (3) Rod Sequence Control System / Rod Worth Minimizer modification to reduce start-up time, submitted July 1989.
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 SEPTEMBER 15, 1989

COMPANY PHILADELPHIA ELECTRIC COMPANY

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

TELEPHONE (717) 456-7014 EXT. 3321

MONTH AUGUST 1989

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	884	17	1030
2	803	18	1034
3	963	19	1035
4	1050	20	1051
5	1055	21	1051
6	1057	22	1083
7	1054	23	1025
8	1050	24	1046
9	1055	25	1053
10	1049	26	1049
11	1053	27	1047
12	1057	28	1045
13	720	29	1053
14	824	30	1041
15	1025	31	1042
16	1038		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 278

UNIT PEACH BOTTOM UNIT 3

DATE SEPTEMBER 15, 1989

COMPANY PHILADELPHIA ELECTRIC COMPANY

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

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MONTH AUGUST 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	31	0
16	0		

OPERATING DATA REPORT

DOCKET NO. 50 - 277

DATE SEPTEMBER 15, 1989

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: AUGUST, 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	744	5,831	132,887
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	2,720.6	76,917.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	744.0	2,201.9	74,068.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,359,728	4,594,176	217,404,921
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	782,690	1,428,360	71,447,590
18. NET ELECTRICAL ENERGY GENERATED (MWH)	754,153	1,341,792	68,333,908

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 277

DATE SEPTEMBER 15, 1988

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0	37.8	55.7
20. UNIT AVAILABILITY FACTOR	100.0	37.8	55.7
21. UNIT CAPACITY FACTOR (USING MDC NET)	96.4	21.9	48.9
22. UNIT CAPACITY FACTOR (USING DER NET)	95.2	21.6	48.3
23. UNIT FORCED OUTAGE RATE	0.0	9.6	14.5
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

DATE SEPTEMBER 15, 1989

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

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SUPERVISOR

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PEACH BOTTOM ATOMIC POWER STATION

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OPERATING STATUS

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

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

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	128,783
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)	* -7,803	* -40,215	67,612,940

PAGE 1 OF 2

* Negative generation provided for consistency with FERC reports.

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 278

DATE SEPTEMBER 15, 1989

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	0.0	0.0	57.4
20. UNIT AVAILABILITY FACTOR	0.0	0.0	57.4
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	0.0	50.7
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	0.0	49.3
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: OCTOBER 27, 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 SEPTEMBER 15, 1989

REPORT MONTH AUGUST, 1989

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

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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
8	890801	S	000.0	B	4	N/A	RB	CONRAD	CONTROL ROD PATTERN ADJUSTMENT REACTOR WAS NOT SHUT DOWN
9	890813	F	000.0	A	4	N/A	CC	INSTRU	EHC CONTROL CARD REPLACEMENT REACTOR WAS NOT SHUT DOWN

(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 15, 1989

REPORT MONTH AUGUST, 1989

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

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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
7	890801	S	744.0 <hr/> 744.0	C	1	N/A	RC	FUELXX	CONTINUATION OF REFUEL OUTAGE

(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)

(4)

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

(5)

EXHIBIT I - SAME SOURCE