CCN-89-14126

PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
R. D. 1, Box 208
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(717) 456-7014

PEACH BOTTOM—THE POWER OF EXCELLENCE

D. M. Smith
Vice President

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

Sincerely,

DMS/TEC/MJB:cmc

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
July 1989

UNIT 2

The unit began the month in the "Run" mode at 45% power. The Power Ascension program continued throughout the month. Feedwater tuning and Transient testing at the Power Ascension 70% plateau were completed. A SCRAM and Group I isolation occurred during an attempt to remove a steam line resonance compensator board. Plant and personnel reactions to the trip were normal. The unit ended the month at 90% power.

UNIT 3

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

Docket No. 50-277
Attachment to
Monthly Operating
Report for July 1989

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.

Docket No. 50-278
Attachment to
Monthly Operating
Report for July 1989

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 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 AUGUST 15, 1989

COMPANY PHILADELPHIA ELECTRIC COMPANY

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

TELEPHONE (717) 457-7014 EXT. 3321

MONTH JULY 1989

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	583	17	692
2	635	18	698
3	669	19	698
4	676	20	698
5	676	21	683
6	517	22	0
7	98	23	0
8	595	24	0
9	678	25	0
10	681	26	0
11	680	27	0
12	679	28	247
13	687	29	860
14	684	30	928
15	679	31	935
16	686		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 278

UNIT PEACH BOTTOM UNIT 3

DATE AUGUST 15, 1989

COMPANY PHILADELPHIA ELECTRIC COMPANY

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MONTH JULY 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 AUGUST 15, 1989

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

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OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 2
2. REPORTING PERIOD: JULY, 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	5,087	132,143
12. NUMBER OF HOURS REACTOR WAS CRITICAL	617.7	1,976.6	76,173.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	572.4	1,457.9	73,324.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,311,744	2,234,448	215,045,193
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	410,110	645,670	70,664,900
18. NET ELECTRICAL ENERGY GENERATED (MWH)	390,839	587,639	67,579,755

DATE AUGUST 15, 1989

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	76.9	28.7	55.5
20. UNIT AVAILABILITY FACTOR	76.9	28.7	55.5
21. UNIT CAPACITY FACTOR (USING MDC NET)	50.0	11.0	48.7
22. UNIT CAPACITY FACTOR (USING DER NET)	49.3	10.8	48.0
23. UNIT FORCED OUTAGE RATE	23.1	13.8	14.6

24. SHUTDOWNS SCHEDULED OVER NEXT 3 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 AUGUST 15, 1989

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OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 3
2. REPORTING PERIOD: JULY, 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	5,087	128,039
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)	* -6,503	* -32,412	67,620,743

* Negative numbers reported for consistency with Federal Energy Regulatory Commission reports.

DATE AUGUST 15, 1989

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	0.0	0.0	57.7
20. UNIT AVAILABILITY FACTOR	0.0	0.0	57.7
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	0.0	51.0
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	0.0	49.6
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:

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 AUGUST 15, 1989

REPORT MONTH JULY, 1989

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
5	890706	F	000.0	A	4	N/A	EB	CKTBRK	GENERATOR AUTOMATIC VOLTAGE REGULATOR POTENTIAL TRANSFORMER FUSE BLEW REACTOR WAS NOT SHUT DOWN
6	890707	F	013.8	A	4	N/A	EB	CKTBRK	REPLACE FUSE IN POTENTIAL TRANSFORMER REACTOR WAS NOT SHUT DOWN
7	890721	F	157.8	A	3	2-89-15	CC	INSTRU	EHC CONTROL CARD MALFUNCTION REPAIR CONTROL CARD
			171.6						

(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

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 278

UNIT NAME PEACH BOTTOM UNIT 3

DATE AUGUST 15, 1989

REPORT MONTH JULY, 1989

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
7	890701	S	744.0	C	1	N/A	RC	FUELXX	CONTINUATION OF REFUEL OUTAGE
			744.0						

(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