

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 277

UNIT PEACH BOTTOM UNIT 2

DATE NOVEMBER 9, 1979

COMPANY PHILADELPHIA ELECTRIC COMPANY

W.M. ALDEN  
ENGINEER-IN-CHARGE  
NUCLEAR SECTION  
GENERATION DIVISION-NUCLEAR

TELEPHONE (215) 841-5022

MONTH OCTOBER 1979

DAY AVERAGE DAILY POWER LEVEL  
(MWE-NET)

1	1063
2	1064
3	1063
4	1063
5	1063
6	1062
7	1062
8	1061
9	1058
10	1064
11	1061
12	1024
13	549
14	832
15	1020
16	1056

DAY AVERAGE DAILY POWER LEVEL  
(MWE-NET)

17	1070
18	1069
19	1064
20	1067
21	1068
22	1066
23	1066
24	1066
25	1067
26	1070
27	1070
28	1112
29	1066
30	1063
31	1060

1321 318

7911140

320

# OPERATING DATA REPORT

BUCKET NO. 50 - 277

DATE NOVEMBER 9, 1979

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

W.M. ALDEN  
ENGINEER-IN-CHARGE  
NUCLEAR SECTION  
GENERATION DIVISION-NUCLEAR  
TELEPHONE (215) 841-5022

## OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 2  
2. REPORTING PERIOD: OCTOBER, 1979  
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: THIS UNIT EXPERIENCED ONE  
MAJOR POWER REDUCTION AND  
NO OUTAGES THIS MONTH

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	745	7,296	46,680
12. NUMBER OF HOURS REACTOR WAS CRITICAL	745	6,888	36,307
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	745.0	6,848.5	35,534.8
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,386,462	21,939,286	102,160,243
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	803,480	7,342,890	33,508,820
18. NET ELECTRICAL ENERGY GENERATED (MWH)	773,102	7,078,755	32,120,110
19. UNIT SERVICE FACTOR	100.0	93.9	76.1
20. UNIT AVAILABILITY FACTOR	100.0	93.9	76.1
21. UNIT CAPACITY FACTOR (USING MDC NET)	98.7	92.3	65.5
22. UNIT CAPACITY FACTOR (USING DER NET)	97.4	91.1	64.6
23. UNIT FORCED OUTAGE RATE	0.0	0.8	6.5

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: 5/17/80

UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):	FORECAST	ACHIEVED
INITIAL CRITICALITY	-----	-----
INITIAL ELECTRICITY	-----	-----
COMMERCIAL OPERATION	-----	-----

1321 319

OFFICE NO. 10 - 247

UNIT NAME PEACH BOTTOM UNIT 2

DATE NOVEMBER 9, 1979

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

W.M. ALDEN  
ENGINEER-IN-CHARGE  
NUCLEAR SECTION  
GENERATION DIVISION-NUCLEAR  
TELEPHONE (215) 841-5022

REPORT MONTH OCTOBER, 1979

NO.	DATE	TYPE (1)	DURATION (HOURS) (1)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
10	791013	S	0.0	H	4	NONE	RC	ZZZZZZ	LOAD DROP FOR ROD ADJUSTMENT

(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

1321 320

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 278

UNIT PEACH BOTTOM UNIT 3

DATE NOVEMBER 9, 1979

COMPANY PHILADELPHIA ELECTRIC COMPANY

W.M. ALDEN  
ENGINEER-IN-CHARGE  
NUCLEAR SECTION  
GENERATION DIVISION-NUCLEAR

TELEPHONE (215) 841-5022

MONTH OCTOBER 1979

DAY AVERAGE DAILY POWER LEVEL  
(MWE-NET)

1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0

DAY AVERAGE DAILY POWER LEVEL  
(MWE-NET)

17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0
31	0

1321 321

# OPERATING DATA REPORT

BUCKET NO. 50 - 276

DATE NOVEMBER 5, 1979

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

W.M. ALDEN

ENGINEER-IN-CHARGE

NUCLEAR SECTION

GENERATION DIVISION-NUCLEAR

TELEPHONE (215) 841-5022

## OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 3

2. REPORTING PERIOD: OCTOBER, 1979

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: THIS UNIT WAS SHUTDOWN FOR

A REFUELING OUTAGE ALL MONTH

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	745	7,296	42,576
12. NUMBER OF HOURS REACTOR WAS CRITICAL	0	5,556	33,668
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	0.0	5,392.3	32,822.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	0	16,329,817	91,203,953
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	0	5,358,160	29,586,270
18. NET ELECTRICAL ENERGY GENERATED (MWH)	* -8,726	5,138,171	28,381,314
19. UNIT SERVICE FACTOR	0.0	73.9	77.1
20. UNIT AVAILABILITY FACTOR	0.0	73.9	77.1
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	68.0	64.4
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	66.1	62.6
23. UNIT FORCED OUTAGE RATE	0.0	2.9	6.6

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: 11/ 5/79

26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORECAST ACHIEVED

INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

1321 322

\* - NEGATIVE VALUE REPORTED FOR CONSISTENCY WITH FEDERAL POWER COMMISSION REPORTS.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCUMENT NO. 50 - 278

UNIT NAME PEACH BOTTOM UNIT 3

DATE NOVEMBER 9, 1979

REPORT MONTH OCTOBER, 1979

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

W.M. ALDEN  
ENGINEER-IN-CHARGE  
NUCLEAR SECTION  
GENERATION DIVISION-NUCLEAR  
TELEPHONE (215) 841-5022

NO.	DATE	TYPE (1)	DURATION (HOURS) (2)	REASON (3)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
16	791001	S	745.0	C	1	NONE	RC	ZZZZZZ	CONTINUATION OF REFUELING OUTAGE
			745.0						

(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

1321 323

REFUELING INFORMATION

1. Name of facility:  
Peach Bottom Unit 2
2. Scheduled date for next refueling shutdown:  
March 1, 1980
3. Scheduled date for restart following refueling:  
May 17, 1980
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?  
Technical specification changes to accomodate reload fuel. Modifications to reactor core operating limits are expected.
5. Scheduled date (s) for submitting proposed licensing action and supporting information:  
February 8, 1980
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:  
Initial utilization of General Electric pre-pressurized Fuel Assemblies for this Unit.
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 - 618 Irradiated Fuel Assemblies
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:  
Original installed capacity is 1110 fuel assemblies. An increase in capacity to 2816 fuel assemblies has been licensed, providing capacity for 1706 additional fuel assemblies. Plant modifications to be completed prior to next refueling.
9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity:  
September, 1990.

REFUELING INFORMATION

1. Name of facility:  
Peach Bottom Unit 3
2. Scheduled date for next refueling shutdown:  
September 15, 1979
3. Scheduled date for restart following refueling:  
November 5, 1979
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?  
Amendment approved.  
If answer is yes, what, in general, will these be?  
Technical specification changes to accomodate reload fuel. Modifications to reactor core operating limits are expected.
5. Scheduled date (s) for submitting proposed licensing action and supporting information:  
August 2, 1979 - Amendment approved.
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:  
Initial utilization of General Electric pre-pressurized Fuel Assemblies for this unit.
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 - 712 Irradiated Fuel Assemblies
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 2816 fuel assemblies.
9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity:  
September, 1991.



NARRATIVE SUMMARY OF OPERATING EXPERIENCES  
OCTOBER 1979

PEACH BOTTOM UNITS 2 & 3

Unit 2

On October 12, a brief (1/2 hour) load decrease was necessary due to a partial loss of vacuum caused by a recombiner problem. The problem was traced to a control panel modification and corrected. Later on October 12, a load reduction to approximately 508 MWe was taken to accommodate a rod sequence exchange. Following completion of the sequence exchange, the Unit preconditioned back to rated power by October 15.

Unit 3

The Unit remained shutdown for the third refueling outage. Twenty-two control rod drives were changed out. Fuel sipping was completed and the vibration leads were removed from the jet pumps. During the removal of the vibration leads, a TV camera became wedged in one of the jet pumps. The camera was removed by replacing the jet pump. Cutting and capping of the control rod drive return line was completed. The 3B reactor recirculation pump seal was replaced. Individual loss of power tests on 4 KV buses were performed. CRD scram discharge header was decontaminated. On October 18, the 3A RHR pump tripped due to damaged motor end turns resulting from cracked motor cooling fan blades. Repairs were completed and the pump successfully surveillance tested. The last of the main steam isolation valves was successfully local leak rate tested on October 26.

CCT  
11/9/79

1321 326