

# OPERATING DATA REPORT

DOCKET NO. 50 - 277

DATE APRIL 13, 1982

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

W.H. 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: MARCH, 1982  
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 IS DOWN FOR  
REFUELING AND MAINTENANCE.  
STARTUP SCHEDULED FOR  
MAY 30, 1982.

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	2,160	67,848
12. NUMBER OF HOURS REACTOR WAS CRITICAL	0	1,182.0	50,925.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	0.0	1,167.1	49,623.6
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	0	3,143,292	144,366,608
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	0	1,009,650	47,513,420
18. NET ELECTRICAL ENERGY GENERATED (MWH)	* -4,651	965,417	45,556,152
19. UNIT SERVICE FACTOR	0.0	54.0	73.1
20. UNIT AVAILABILITY FACTOR	0.0	54.0	73.1
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	42.5	63.9
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	42.0	63.0
23. UNIT FORCED OUTAGE RATE	0.0	2.7	8.0

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):  
REFUELING/MAINTENANCE, STARTED 2/20/82, FOURTEEN WEEKS

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: 5/30/82

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

INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

8204220298 820419  
PDR ADOCK 05000277  
PDR

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

# OPERATING DATA REPORT

DOCKET NO. 50 - 278

DATE APRIL 13, 1982

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

W.H. ALDEN

ENGINEER-IN-CHARGE

NUCLEAR SECTION

GENERATION DIVISION-NUCLEAR

TELEPHONE (215) 841-5027

## OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 3

2. REPORTING PERIOD: MARCH, 1982

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 EXPERIENCED  
ONE LOAD REDUCTION  
AND ONE OUTAGE.

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	2,160	63,744
12. NUMBER OF HOURS REACTOR WAS CRITICAL	715.8	2,071.3	47,558.7
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	708.5	2,049.6	46,276.4
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,298,307	6,589,651	133,281,173
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	775,730	2,222,560	43,611,480
18. NET ELECTRICAL ENERGY GENERATED (MWH)	752,321	2,155,418	41,865,891
19. UNIT SERVICE FACTOR	95.2	94.9	72.6
20. UNIT AVAILABILITY FACTOR	95.2	94.9	72.6
21. UNIT CAPACITY FACTOR (USING MDC NET)	97.7	96.4	63.5
22. UNIT CAPACITY FACTOR (USING DER NET)	94.9	93.7	61.7
23. UNIT FORCED OUTAGE RATE	4.8	5.1	7.8
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: 4/ 9/82

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

	FORECAST	ACHIEVED
INITIAL CRITICALITY	-----	-----
INITIAL ELECTRICITY	-----	-----
COMMERCIAL OPERATION	-----	-----

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 277

UNIT PEACH BOTTOM UNIT 2

DATE APRIL 13, 1982

COMPANY PHILADELPHIA ELECTRIC COMPANY

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

TELEPHONE (215) 841-5022

MONTH MARCH 1982

DAY AVERAGE DAILY POWER LEVEL  
(MWP-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

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 278

UNIT PEACH BOTTOM UNIT 3

DATE APRIL 13, 1982

COMPANY PHILADELPHIA ELECTRIC COMPANY

W.M.ALDEN

ENGINEER-IN-CHARGE

NUCLEAR SECTION

GENERATION DIVISION-NUCLEAR

TELEPHONE (215) 841-5022

MONTH MARCH 1982

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1076	17	1080
2	1078	18	1077
3	1077	19	1080
4	1078	20	1080
5	1077	21	1080
6	1078	22	1081
7	1076	23	1080
8	1077	24	1081
9	1077	25	1078
10	1076	26	1076
11	1079	27	1078
12	1076	28	1077
13	1075	29	1074
14	797	30	402
15	1054	31	0
16	1079		

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 277

UNIT NAME PEACH BOTTOM UNIT 2

DATE APRIL 13, 1982

REPORT MONTH MARCH, 1982

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 (4)	LICENSEE EVENT REPORT #	SYSTEM CODE (5)	COMPONENT CODE (6)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
3	820301	S	744.0 ----- 744.0	C	1	NA	EC	FUELIX	CONTINUING REFUELING OUTAGE.

(1)

(2)

(3)

(4)

P - 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 APRIL 13, 1982

REPORT MONTH MARCH, 1982

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

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

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
6	820314	S	00.0	B	4	NA	HF	HTECH	LOAD REDUCED TO REPAIR 'A1' CONDENSER WATER BOX TUBE LEAKS.
7	820330	F	35.5	A	1	NA	HA	GENERA	SHUTDOWN PROMPTED BY INCREASING VIBRATION ON THE MAIN GENERATOR EXCITER HOUSING.
			35.5						

(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



REFUELING INFORMATION

1. Name of facility:

Peach Bottom Unit 2

2. Scheduled date for next refueling shutdown:  
refueling began  
February 20, 1982

3. Scheduled date for restart following refueling:

May 30, 1982

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 Specifications to accommodate reload fuel.  
Modifications to reactor core operating limits are expected.

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

February 24, 1982

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.

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 - 910 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, 1990

REFUELING INFORMATION

1. Name of facility:

Peach Bottom Unit 3

2. Scheduled date for next refueling shutdown:

March 12, 1983

3. Scheduled date for restart following refueling:

April 24, 1983

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 accommodate reload fuel.  
Modifications to reactor core operating limits are expected.

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

December 17, 1982

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.

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 - 928 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



PEACH BOTTOM ATOMIC POWER STATION  
NARRATIVE SUMMARY OF OPERATING EXPERIENCES  
MONTH OF MARCH  
1982

DOCKET NOS. 50-277 & 50-278

OPERATIONS

Unit 2

The unit remains shut down to accommodate refueling, modifications and maintenance work. The fuel has been transferred to the spent fuel pool. Both LPRM and Control Blade changeout have been completed. Torus modifications are in progress and on schedule. Inspection of the main turbine low pressure rotors is in progress and continues to be the critical path activity. Startup is scheduled for May 31, 1982.

Unit 3

The unit operated at full power from the beginning of the month until March 30, with the exception of a short 100 MWe reduction for condenser tube plugging. Early on March 30, power was reduced due to increased vibration at the exciter end of the main generator. The unit was taken off the bus shortly after noon for inspection of the turbine/generator.