AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 277

UNIT PEACH BOTTOM UNIT 2

DATE MARCH 10, 1981

COMPANY PHILADELPHIA ELECTRIC COMPANY

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

TELEPHONE (215) 841-5022

MONTH FEBRUARY 1981

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1074	17	1058
2	1071	18	1060
3	1072	19	1073
4	1075	20	1076
5	1072	21	1079
6	1073	22	1081
7	1071	23	1078
8	1070	24	1068
9	1055	25	1056
10	1067	26	1047
11	1074	27	1043
12	1082	28	725
13	1080		
14	1080		
15	1058		
16	1060		

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PDR ADOCK 05000277
R PDR

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 278
UNIT PEACH BOTTOM UNIT 3
DATE MARCH 10,1981
COMPANY PHILADELPHIA ELECTRIC COMPANY

W.M.ALDEN
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TELEPHONE (215) 841-5022

MONTH FEBRUARY 1981

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1055	17	1064
2	1048	18	1064
3	1050	19	1060
4	1049	20	1057
5	1046	21	1056
6	1039	22	1052
7	834	23	1051
8	1062	24	1048
9	1048	25	893
10	1063	26	118
11	1061	27	921
12	1063	28	1023
13	1040		
14	1060		
15	1056		
16	1061		

OPERATING DATA REPORT

DOCKET NO. 50 - 277
DATE MARCH 10, 1981
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: FEBRUARY, 1981
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 NO MAJOR OUTAGES AND ONE MAJOR POWER REDUCTION.

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	672	1,416	58,344
12. NUMBER OF HOURS REACTOR WAS CRITICAL	672.0	1,396.9	43,949.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	672.0	1,364.8	42,877.6
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,165,640	4,202,086	124,623,158
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	731,890	1,409,620	41,022,720
18. NET ELECTRICAL ENERGY GENERATED (MWH)	709,844	1,365,660	39,325,324
19. UNIT SERVICE FACTOR	100.0	96.4	73.5
20. UNIT AVAILABILITY FACTOR	100.0	96.4	73.5
21. UNIT CAPACITY FACTOR (USING MDC NET)	100.5	91.8	64.1
22. UNIT CAPACITY FACTOR (USING DER NET)	99.2	90.6	63.3
23. UNIT FORCED OUTAGE RATE	0.0	3.6	6.0

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		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

OPERATING DATA REPORT

DOCKET NO. 50 - 278
DATE MARCH 10,1981
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: FEBRUARY, 1981
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: THIS UNIT EXPERIENCED ONE MAJOR OUTAGE AND ONE MAJOR POWER REDUCTION.

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	672	1,416	54,240
12. NUMBER OF HOURS REACTOR WAS CRITICAL	658.1	1,402.1	43,564.3
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	655.4	1,399.4	42,424.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,086,752	4,486,378	121,329,327
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	694,690	1,496,350	39,598,390
18. NET ELECTRICAL ENERGY GENERATED (MWH)	672,974	1,449,958	38,028,601
19. UNIT SERVICE FACTOR	97.5	98.8	78.2
20. UNIT AVAILABILITY FACTOR	97.5	98.8	78.2
21. UNIT CAPACITY FACTOR (USING MDC NET)	96.8	98.9	67.7
22. UNIT CAPACITY FACTOR (USING DER NET)	94.0	96.1	65.8
23. UNIT FORCED OUTAGE RATE	2.5	1.2	7.4

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):
REFUELING/MAINTENANCE, 3/7/81, TWENTYTHREE WEEKS

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		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH FEBRUARY, 1981

DOCKET NO. 50 - 277
UNIT NAME PEACH BOTTOM UNIT 2
DATE MARCH 10, 1981
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)	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	810227	S	000.0	H	4	NA	HF	HTEXCH	LOAD DROP FOR ROD PATTERN ADJUSTMENT AND CONDENSER WATER BOX CLEANING.

(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 (NUPEG-0161)

(5)
EXHIBIT I -

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH FEBRUARY, 1981

DOCKET NO. 50 - 278
UNIT NAME PEACH BOTTOM UNIT 3
DATE MARCH 10,1981
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)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
3	810206	S	000.0	H	4	NA	RC	ZZZZZZ	LOAD DROP FOR ROD PATTERN ADJUSTMENT.
4	810225	G	16.6	G	2	81-010-03-L	SB	INSTRU	D.C. GROUND INVESTIGATION ON 'A' RHR LOGIC BUS CAUSED RECIRCULATION PUMP DISCHARGE VALVES TO CLOSE WHICH TRIPPED THE RECIRCULATION PUMPS. OPERATOR MANUALLY SCRAMMED THE REACTOR.
			16.6						

(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 1 - SAME SOURCE

Docket No. 50-277

Attachment to
Monthly Operating Report
For February, 1981

REFUELING INFORMATION

1. Name of facility:

   Peach Bottom Unit 2

2. Scheduled date for next refueling shutdown:

   January 2, 1982

3. Scheduled date for restart following refueling:

   February 13, 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:

   November 13, 1981

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

Docket No. 50-278

Attachment to
Monthly Operating Report
For February, 1981

REFUELING INFORMATION

1. Name of facility:

   Peach Bottom Unit 3

2. Scheduled date for next refueling shutdown:

   March 7, 1981

3. Scheduled date for restart following refueling:

   August 14, 1981

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:

   March 6, 1981

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 - 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:

PEACH BOTTOM ATOMIC POWER STATION
NARRATIVE SUMMARY OF OPERATING EXPERIENCES
FEBRUARY, 1981

UNIT 2

The Unit operated throughout the month at full power with the exception of the following load reductions. On February 1, and February 14, Reactor core flow was slightly reduced to correct CMFLPD increases due to gadolinia burn out in the bottom of the core. On February 9, 1981, load was reduced by 55 MWe for approximately 5 hours due to high differential river temperatures. On February 27, load was reduced to approximately 700 MWe to adjust control rod pattern and to clean the condenser inlet tube sheets.

The E-3 Diesel Generator was blocked out of service for approximately one and one-half hours on February 24, 1981 to repair a small tubing leak on a lube oil system pressure switch. The RCIC system was taken out of service for recalibration of the flow controller ramp generator and for repairs to the turbine trip throttle valve which took two days, ending on February 26, 1981.

UNIT 3

The Unit operated throughout the month at full power with the exception of a reduction control rod adjustment on February 7, and a 55 MWe load reduction on February 9, for approximately 5 hours due to high differential river temperatures and a trip which occurred late on February 25, 1981. On that date the unit was manually scrammed when both recirculation pumps tripped due to closure of their discharge valves. The recirculation pump discharge valve closure resulted from trouble-shooting to find ground on the 125 VDC system.

On February 5, 1981, the 3B RPS M/G set was taken out of service and the associated RPS bus fed from the alternate source due to the failure of the output overvoltage trip relay during a surveillance test. The RPS M/G set was returned to service on February 7, 1981 following relay replacement, calibration and testing. The HPCI was taken out of service for a day on February 16, 1981 for repair of an oil leak on the turbine overspeed device.

The unit was removed from service on March 6, 1981 for a scheduled refueling, maintenance, and major modification outage.