

OPERATING DATA REPORT

DOCKET NO. 50 - 277

DATE MARCH 10, 1983

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, 1983
- 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 EXPERIENCED TWO
SCHEDULED LOAD REDUCTIONS.

- 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	75,864
12. NUMBER OF HOURS REACTOR WAS CRITICAL	672.0	1,408.7	56,498.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	672.0	1,395.8	54,944.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,180,078	4,511,808	161,020,780
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	724,910	1,497,590	53,018,100
18. NET ELECTRICAL ENERGY GENERATED (MWH)	699,328	1,443,138	50,828,287
19. UNIT SERVICE FACTOR	100.0	98.6	72.4
20. UNIT AVAILABILITY FACTOR	100.0	98.6	72.4
21. UNIT CAPACITY FACTOR (USING MDC NET)	99.0	97.0	63.7
22. UNIT CAPACITY FACTOR (USING DER NET)	97.7	95.7	62.9
23. UNIT FORCED OUTAGE RATE	0.0	1.4	7.5

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:

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

INITIAL CRITICALITY

IAL ELECTRICITY

ERCIAL OPERATION

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OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 3
2. REPORTING PERIOD: FEBRUARY, 1983
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
SCHEDULED SHUTDOWN.

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	71,760
12. NUMBER OF HOURS REACTOR WAS CRITICAL	316.5	1,039.3	54,969.0
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	309.8	1,026.3	53,627.1
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	793,824	2,742,355	155,957,983
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	257,670	894,560	51,136,090
18. NET ELECTRICAL ENERGY GENERATED (MWH)	241,283	848,889	49,091,681
19. UNIT SERVICE FACTOR	46.1	72.5	74.7
20. UNIT AVAILABILITY FACTOR	46.1	72.5	74.7
21. UNIT CAPACITY FACTOR (USING MDC NET)	34.7	57.9	66.1
22. UNIT CAPACITY FACTOR (USING DER NET)	33.7	56.3	64.2
23. UNIT FORCED OUTAGE RATE	0.0	2.6	7.3

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):
SCHEDULED SHUTDOWN FOR REFUELING AND MAINTENANCE, STARTED
2/13/83, FOR ELEVEN WEEK OUTAGE.

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: 5/2/83

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

INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 277

UNIT NAME PEACH BOTTOM UNIT 2

DATE MARCH 10, 1983

REPORT MONTH FEBRUARY, 1983

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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
2	830201	S	00.0	H	4	NA	RC	ZZZZZZ	LOAD REDUCTION FOR CONTROL ROD PATTERN ADJUSTMENT.
3	830205	S	00.0	H	4	NA	HF	HTEYCH	LOAD REDUCTION FOR WATERBOX REPAIR AND B - REACTOR FEED PUMP TURBINE LUBE.

			-						

(1)
P - FORCED
S - SCHEDULED

(2)
REASON
A - EQUIPMENT FAILURE (EXPLAIN)
B - MAINTENANCE OR TEST
C - REPUELING
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

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UNIT NAME PEACH BOTTOM UNIT 3

DATE MARCH 10 , 1983

REPORT MONTH FEBRUARY, 1983

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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
3	830213	S	362.2 ----- 362.2	C	1	NA	BC	FUELIY	SHUTDOWN FOR REFUELING 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

AVERAGE DAILY UNIT POWER LEVEL

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UNIT PEACH BOTTOM UNIT 2

DATE MARCH 10 , 1983

COMPANY PHILADELPHIA ELECTRIC COMPANY

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TELEPHONE (215) 841-5022

MONTH FEBRUARY 1983

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	827	17	1057
2	1047	18	1054
3	1049	19	1054
4	1051	20	1052
5	904	21	1050
6	1054	22	1049
7	1060	23	1052
8	1061	24	1050
9	1060	25	1050
10	1059	26	1052
11	1059	27	1051
12	1057	28	1050
13	1056		
14	1057		
15	1059		
16	1059		

AVERAGE DAILY UNIT POWER LEVEL

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UNIT PEACH BOTTOM UNIT 3

DATE MARCH 10 , 1983

COMPANY PHILADELPHIA ELECTRIC COMPANY

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MONTH FEBRUARY 1983

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	821	17	0
2	815	18	0
3	808	19	0
4	805	20	0
5	802	21	0
6	797	22	0
7	799	23	0
8	794	24	0
9	790	25	0
10	786	26	0
11	783	27	0
12	779	28	0
13	667		
14	0		
15	0		
16	0		

REFUELING INFORMATION

1. Name of facility:
Peach Bottom Unit 2
2. Scheduled date for next refueling shutdown:
October 15, 1983
3. Scheduled date for restart following refueling:
January 14, 1984
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:

September 10, 1983
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 - 1170 Fuel Assemblies, 58 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 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.

March, 1990 (September, 1985 with reserve for full core discharge)

REFUELING INFORMATION

1. Name of facility:

Peach Bottom Unit 3

2. Scheduled date for next refueling shutdown:

February 3, 1983

3. Scheduled date for restart following refueling:

May 2, 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 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:

Submitted December 30, 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, now 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 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 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 (March, 1986 with reserve for fuel core discharge)

Peach Bottom Atomic Power Station
Narrative Summary of Operating Experiences
February 1993

Unit 2:

The unit began the month at 700 MWe, reduced in power to perform a control rod pattern adjustment. Full power was reached early on February 2. On February 5, reactor power was again reduced to 700 MWe in order to remove the "B" reactor feed pump turbine from service for coupling lubrication and to repair tube leaks in the C-2 circulating water box. The unit was returned to full power on February 5 and remained at full power through the end of the month. On February 20, the E-1 emergency diesel generator was removed from service for its annual inspection. The E-1 diesel generator was tested and returned to service on February 26.

Unit 3:

The unit began the month at 80% power in extended core flow operation, with the 5th feedwater heaters removed from service, during end of cycle coastdown. On February 1, an Unusual Event was declared when, during testing of ECCS systems, both the "A" Core Spray and High Pressure Coolant Injection systems became inoperable. The "A" Core Spray system was returned to service within 46 minutes and the Unusual Event was terminated. Following testing, the High Pressure Coolant Injection system was returned to service early on February 2. On February 7, the "A" RHR loop was removed from service for repairs to an RHR valve. The "A" RHR loop was returned to service on February 8. On February 10, the HPCI system was again removed from service in order to modify the hydraulic and electronic controls which set the HPCI system "quick start" acceleration ramp. The unit's fifth refueling outage began on February 13. By February 18 reactor vessel head removal was complete and fuel off-load was begun on February 25. At the end of the month, main turbine disassembly was in progress, unlatching of CRD blades was underway and the reactor recirculation system piping IHSI program had begun.