

OPERATING DATA REPORT

DOCKET NO. 50 - 277

DATE SEPTEMBER 13, 1982

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: AUGUST, 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 EXPERIENCED ONE
SCHEDULED LOAD REDUCTION
AND ONE SCHEDULED SHUT-
DOWN.

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	5,831	71,519
12. NUMBER OF HOURS REACTOR WAS CRITICAL	617.8	2,668.8	52,412.2
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	589.5	2,471.3	50,927.8
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,795,430	6,980,268	148,203,584
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	590,750	2,265,570	48,769,340
18. NET ELECTRICAL ENERGY GENERATED (MWH)	566,289	2,153,050	46,743,785
19. UNIT SERVICE FACTOR	79.2	42.4	71.2
20. UNIT AVAILABILITY FACTOR	79.2	42.4	71.2
21. UNIT CAPACITY FACTOR (USING MDC NET)	72.4	35.1	62.2
22. UNIT CAPACITY FACTOR (USING DER NET)	71.5	34.7	61.4
23. UNIT FORCED OUTAGE RATE	0.0	1.3	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:

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

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OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 3
2. REPORTING PERIOD: AUGUST, 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 FORCED 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	744	5,831	67,415
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	5,513.3	51,000.7
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	744.0	5,445.0	49,671.8
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,418,245	17,442,278	144,133,800
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	803,240	5,837,740	47,226,660
18. NET ELECTRICAL ENERGY GENERATED (MWH)	772,802	5,639,968	45,350,441
19. UNIT SERVICE FACTOR	100.0	93.4	73.7
20. UNIT AVAILABILITY FACTOR	100.0	93.4	73.7
21. UNIT CAPACITY FACTOR (USING MDC NET)	100.4	93.5	65.0
22. UNIT CAPACITY FACTOR (USING DER NET)	97.5	90.8	63.2
23. UNIT FORCED OUTAGE RATE	0.0	6.6	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:

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 SEPTEMBER 13, 1982

REPORT MONTH AUGUST, 1982

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

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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
6	820806	S	154.5	B	1	NA	CB	PUMPXX	SHUTDOWN FOR REPLACEMENT OF THE '2A' AND '2B' RECIRCULATION PUMP SEALS.
7	820821	S	00.0	H	4	NA	RC	ZZZZZZ	LOAD REDUCTION FOR THE ADJUSTMENT OF THE CONTROL ROD PATTERN.
			----- 154.5						

(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

UNIT SHUTDOWNS AND POWER REDUCTIONS

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UNIT NAME PEACH BOTTOM UNIT 3

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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
13	820812	F	00.0	A	4	NA	HG	DEMIX	MAIN STEAM LINE RADIATION MONITOR SPIKED UPSCALE, DUE TO TRANSIENT INCURRED WHILE PLACING '3J' CONDENSATE DEMINERALIZER IN SERVICE.

			-						

(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)
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(3)

METHOD
1 - MANUAL
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(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 SEPTEMBER 13, 1982

COMPANY PHILADELPHIA ELECTRIC COMPANY

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MONTH AUGUST 1982

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1045	17	842
2	1044	18	1042
3	1047	19	1045
4	1046	20	1043
5	1043	21	705
6	1047	22	923
7	24	23	1038
8	0	24	1041
9	0	25	1046
10	0	26	1046
11	0	27	1049
12	0	28	1052
13	138	29	1051
14	786	30	1052
15	705	31	1054
16	707		

AVERAGE DAILY UNIT POWER LEVEL

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UNIT PEACH BOTTOM UNIT 3

DATE SEPTEMBER 13, 1982

COMPANY PHILADELPHIA ELECTRIC COMPANY

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MONTH AUGUST 1982

DAY AVERAGE DAILY POWER LEVEL
(MWE-NET)

1	1023
2	1043
3	1039
4	1035
5	1035
6	1034
7	993
8	1045
9	1049
10	1049
11	1046
12	1013
13	959
14	1052
15	1052
16	1050

DAY AVERAGE DAILY POWER LEVEL
(MWE-NET)

17	1046
18	1047
19	1051
20	1051
21	1051
22	1050
23	1049
24	1047
25	1047
26	1045
27	1043
28	1043
29	1041
30	1040
31	1033

PEACH BOTTOM ATOMIC POWER STATION
NARRATIVE SUMMARY OF OPERATING EXPERIENCE
AUGUST 1982

Unit 2

The unit began the month at full power. The unit shutdown on August 6 to replace the shaft seals on both recirculation pumps, and returned to power on August 13. Load was reduced on August 21 to adjust the control rod pattern. The unit returned to full power on August 22.

The E-1 Diesel Generator was out of service for approximately eight hours on August 25 due to a grounded overspeed trip switch. The switch was repaired and the diesel generator returned to service. On August 27, the E-1 Diesel Generator was removed from service to install a new overspeed trip switch.

Unit 3

The unit began the month at full power. Late on August 12, load was reduced due to a Main Steam Line Radiation Monitor spike incurred while placing the 3J Condensate Demineralizer in service. The unit returned to full power the following day.

On August 30, the failure of both 24 volt D.C. power supplies in one ECCS initiation system logic caused a very brief inadvertent RCIC injection to the reactor vessel and erratic operation of ECCS initiation relays. The RCIC injection resulted in a slight reactor power increase from 100% to approximately 104%. Upon verification of proper reactor water level, the RCIC system was tripped. Both ECCS power supplies were replaced within 5 hours and the ECCS initiation system was returned to normal.

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:

October 29, 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:

July 29, 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 - 1216 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:

February 12, 1983

3. Scheduled date for restart following refueling:

April 8, 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:

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, 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 - 934 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