

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 277

UNIT PEACH BOTTOM UNIT 2

DATE AUGUST 14, 1979

COMPANY PHILADELPHIA ELECTRIC COMPANY

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

TELEPHONE (215) 841-5022

MONTH AUGUST 1979

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1039	17	1052
2	1042	18	1050
3	1048	19	1053
4	1044	20	1049
5	1045	21	1054
6	1042	22	1057
7	1047	23	1055
8	1048	24	1051
9	1047	25	613
10	1049	26	878
11	1045	27	1054
12	1053	28	1055
13	1053	29	1059
14	1049	30	1057
15	1052	31	1057
16	1054		

POOR
ORIGINAL

975 232

7909200322

OPERATING DATA REPORT

POOR
ORIGINAL

DOCKET NO. 50 - 277

DATE AUGUST 14, 1979

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

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

OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 2
2. REPORTING PERIOD: AUGUST, 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	744	5,831	45,215
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744	5,438	34,858
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	744.0	5,405.4	34,091.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,400,406	17,314,505	97,535,462
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	799,190	5,791,180	31,957,110
18. NET ELECTRICAL ENERGY GENERATED (MWH)	766,802	5,587,666	30,629,021
19. UNIT SERVICE FACTOR	100.0	92.7	75.4
20. UNIT AVAILABILITY FACTOR	100.0	92.7	75.4
21. UNIT CAPACITY FACTOR (USING MDC NET)	98.1	91.2	64.5
22. UNIT CAPACITY FACTOR (USING DER NET)	96.8	90.0	63.6
23. UNIT FORCED OUTAGE RATE	0.0	0.6	6.8
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: 5/17/80

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

INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

975 233

ORIGINAL
POOR

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 277

UNIT NAME PEACH BOTTOM UNIT 2

DATE AUGUST 14, 1979

REPORT MONTH AUGUST, 1979

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

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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
7	790824	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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 278

UNIT PEACH BOTTOM UNIT 3

DATE AUGUST 14, 1979

COMPANY PHILADELPHIA ELECTRIC COMPANY

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

TELEPHONE (215) 841-5022

MONTH AUGUST 1979

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	902	17	927
2	929	18	923
3	926	19	916
4	927	20	886
5	927	21	919
6	928	22	914
7	928	23	909
8	926	24	906
9	927	25	901
10	929	26	897
11	926	27	895
12	934	28	891
13	932	29	890
14	924	30	883
15	929	31	882
16	926		

POOR
ORIGINAL

975 235

OPERATING DATA REPORT

POOR
ORIGINAL

DOCKET NO. 50 - 278

DATE AUGUST 14, 1979

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

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OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 3
2. REPORTING PERIOD: AUGUST, 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): 1096
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 EXPERIENCED NO
MAJOR POWER REDUCTION OR
OUTAGES THIS MONTH. THIS
UNIT WAS ON POWER COASTDOWN
THIS MONTH.

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744	5,831	41,111
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744	5,226	33,335
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	744.0	5,076.3	32,506.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,214,146	15,475,345	90,349,481
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	712,970	5,085,670	29,313,780
18. NET ELECTRICAL ENERGY GENERATED (MWH)	680,623	4,893,810	28,136,953
19. UNIT SERVICE FACTOR	100.0	87.1	79.1
20. UNIT AVAILABILITY FACTOR	100.0	87.1	79.1
21. UNIT CAPACITY FACTOR (USING MDC NET)	88.4	81.1	66.1
22. UNIT CAPACITY FACTOR (USING DER NET)	85.9	78.8	64.3
23. UNIT FORCED OUTAGE RATE	0.0	2.7	6.8
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			

REFUELING - 9/15/79 - ONE MONTH

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: 10/14/79

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

INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

075 236

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 278

UNIT NAME PEACH BOTTOM UNIT 3

DATE AUGUST 14, 1979

REPORT MONTH AUGUST, 1979

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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

(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

ORIGINAL
POOR

975 237

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.

POOR ORIGINAL

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:

October 14, 1979

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

Yes.

If 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:

August 2, 1979

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 - 440 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

975 239

NARRATIVE SUMMARY OF OPERATING EXPERIENCES
PEACH BOTTOM UNITS 2 & 3
AUGUST 1979

Unit 2

A slight load reduction was taken on August 19th due to environmental considerations with respect to river water temperature. On August 24th, load was reduced to approximately 500 MWe to accommodate a control rod sequence exchange. The Unit was returned to full load via a preconditioning ramp by August 27th. On August 29th, the Unit 2 Emergency Auxiliary Transformer was blocked as a safety measure for other work. When the transformer was returned to service, its breaker tripped on a transformer differential relay action. An investigation proved the problem to be a stand-off insulator on the transformer. Repairs were completed and the transformer was returned to service.

Unit 3

The Unit operated at a maximum electrical load of 970 MWe at the beginning of the month and was reduced to 925 MWe by the end of the month due to the power coast-down that began in July. The 'A' feedwater heater string was removed from service on August 1st, due to excessive internal heater leakage. This resulted in a load reduction of 45 MWe. Since the end of cycle coast-down rate is approximately 4 MWe per day, the load reduction, due to the heat cycle loss, was zero by mid August.

On August 19th, the Unit load was reduced due to environmental considerations with respect to river water temperature and to perform MSIV closure time testing.

WMA:tmg

9-14-79

975 240