AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 277
UNIT PEACH BOTTOM UNIT 2
DATE JULY 10, 1979
COMPANY PHILADELPHIA ELECTRIC COMPANY

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

TELEPHONE (215) 841-5022

MONTH JUNE 1979

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1067	17	1048
2	1065	18	1065
3	1063	19	1064
4	1062	20	1061
5	1065	21	1063
6	1064	22	1065
7	1064	23	1069
8	1045	24	1067
9	893	25	1065
10	1054	26	1066
11	1063	27	1068
12	1070	28	1063
13	1065	29	1066
14	1059	30	1065
15	1061		
16	1064		

330 352

OPERATING DATA REPORT

DOCKET NO. 50 - 277
DATE JULY 10, 1979
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: JUNE, 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 NO MAJOR POWER REDUCTION OR 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	720	4,343	43,727
12. NUMBER OF HOURS REACTOR WAS CRITICAL	720	4,001	33,421
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	720.0	3,977.8	32,664.1
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,351,309	12,756,231	92,977,188
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	790,270	4,278,570	30,444,500
18. NET ELECTRICAL ENERGY GENERATED (MWH)	761,197	4,135,737	29,177,092
19. UNIT SERVICE FACTOR	100.0	91.6	74.7
20. UNIT AVAILABILITY FACTOR	100.0	91.6	74.7
21. UNIT CAPACITY FACTOR (USING MDC NET)	100.6	90.6	63.5
22. UNIT CAPACITY FACTOR (USING DER NET)	99.3	89.4	62.7
23. UNIT FORCED OUTAGE RATE	0.0	0.8	7.0

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: 6/ 6/80

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

	FORECAST	ACHIEVED
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

350 353

UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME PEACH BOTTOM UNIT 2

DATE JULY 10, 1979

REPORT MONTH JUNE, 1979

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

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

350 354

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

			-						

(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 JULY 10, 1979
COMPANY PHILADELPHIA ELECTRIC COMPANY

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

TELEPHONE (215) 841-5022

MONTH JUNE 1979

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	907	17	598
2	0	18	816
3	0	19	1007
4	0	20	1027
5	0	21	465
6	0	22	136
7	0	23	732
8	0	24	844
9	0	25	1032
10	0	26	967
11	15	27	1035
12	563	28	1037
13	558	29	1038
14	0	30	1038
15	0		
16	34		

OPERATING DATA REPORT

DOCKET NO. 50 - 278
DATE JULY 10, 1979
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: JUNE, 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): 1035

NOTES: THIS UNIT EXPERIENCED NO MAJOR POWER REDUCTIONS AND THREE 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	720	4,343	39,623
12. NUMBER OF HOURS REACTOR WAS CRITICAL	424	3,744	31,854
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	388.6	3,600.3	31,030.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,078,003	10,964,913	85,839,049
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	347,400	3,620,670	27,848,780
18. NET ELECTRICAL ENERGY GENERATED (MWH)	328,607	3,492,034	26,735,177
19. UNIT SERVICE FACTOR	54.0	82.9	78.3
20. UNIT AVAILABILITY FACTOR	54.0	82.9	78.3
21. UNIT CAPACITY FACTOR (USING MDC NET)	44.1	77.7	65.2
22. UNIT CAPACITY FACTOR (USING DER NET)	42.9	75.5	63.4
23. UNIT FORCED OUTAGE RATE	20.6	3.4	7.1

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):

9/8/79 TO 10/20/79 REFUELING OUTAGE

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: 10/20/79

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

	FORECAST	ACHIEVED
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

5D39

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 278
UNIT NAME PEACH BOTTOM UNIT 3
DATE JULY 10, 1979
COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

REPORT MONTH JUNE, 1979

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	790602	S	230.5	B	1	NONE	MB	RECOMB	RECOMBINER CONDENSER MAINTENANCE
11	790613	F	75.4	A	2	3-79-13/1P	CC	VALVEX	'L' RELIEF VALVE FAILED OPEN
12	790621	F	25.5	A	2	NONE	MB	RECOMB	3A RECOMBINER MECHANICAL COMPRESSOR FAILURE
			331.4						

(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 PRcPARATION OF DATA
ENTRY SHEETS FOR LICENSEE
EVENT REPORT (LER)
FILE (NUREG-0161)

(5)

EXHIBIT I - SAME SOURCE

Docket No. 50-277

Attachment to
Monthly Operating Report
for June, 1979

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

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.

Docket No. 50-278

Attachment to
Monthly Operating Report
for June, 1979

REFUELING INFORMATION

1. Name of facility:
   - Peach Bottom Unit 3

2. Scheduled date for next refueling shutdown:

   September 8, 1979

3. Scheduled date for restart following refueling:

   October 20, 1979

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:

   July 20, 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

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:
   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, 1991.

550 ~~359~~
359

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

Unit 2

Unit 2 operated at rated power for the reporting period except for a load reduction to 800 MWe, from June 8 to June 10, to accommodate an adjustment to the control rod pattern. On June 21, the reactor water cleanup system was manually isolated after discovery of a leak on a suction pipe to the pumps. The system remains out of service while repairs are in progress. Reactor chemistry remains within limits, and is not expected to limit power.

Unit 3

Unit 3 operated at 975 MWe until June 1, at which time a unit shut down was initiated to accommodate maintenance on leaking feedwater heaters and to replace the recombiner condenser. The unit was returned to service on June 11, reaching 90% power by June 13 when a main stream line relief valve lifted and would not reclose, thus requiring a manual scram. It was necessary to extend the outage a day to effect repairs to the reactor recirculation pump discharge valve, which had failed to open during the unit startup. Power operations were resumed on June 16, reaching full power on June 19 with the fifth feedwater heater valved out of service to maximize core reactivity.

The unit was removed from service on June 21, following a reduction in condenser vacumm resulting from loss of both recombiner mechanical compressors. The reactor was returned to service later that day. However, power ascension was delayed for 12 hours to limit main off gas stack release rates. The unit was returned to service on June 22, reaching 85% of rated power by June 23. At this time a load drop was initiated to adjust the control rod pattern. Full power was reached on June 25.

550 360