

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 277

UNIT PEACH BOTTOM UNIT 2

DATE MAY 9, 1980

COMPANY PHILADELPHIA ELECTRIC COMPANY

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

TELEPHONE (215) 841-5022

MONTH APRIL 1980

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	0
9	0	25	0
10	0	26	0
11	0	27	0
12	0	28	0
13	0	29	0
14	0	30	0
15	0		
16	0		

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DOCKFT NO. 90 - 277

DATE MAY 9, 1980

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

W.M. ALDEN
ENGINEER-IN-CHARGE
NUCLEAR SECTION
GENERATION DIVISION-NUCLEAR
TELEPHONE (215) 941-5022

OPERATING STATUS

- 1. UNIT NAME: PEACH BOTTOM UNIT 2
- 2. REPORTING PERIOD: APRIL, 1980
- 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 IS IN ITS
FOURTH REFUELING OUTAGE.

- 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	719	2,903	61,047
12. NUMBER OF HOURS REACTOR WAS CRITICAL	0	1,441	39,196
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	0.0	1,390.2	38,373.0
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	0	3,831,770	110,597,414
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	0	1,255,980	36,314,210
18. NET ELECTRICAL ENERGY GENERATED (MWH)	* -7,517	1,195,873	34,811,658
19. UNIT SERVICE FACTOR	0.0	47.9	75.2
20. UNIT AVAILABILITY FACTOR	0.0	47.9	75.2
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	39.2	64.9
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	38.7	64.0
23. UNIT FORCED OUTAGE RATE	0.0	0.9	6.1

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):
UNIT 2 SHUTDOWN FOR FOURTH REFUELING.

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: 7/13/80

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

* - NEGATIVE VALUE REPORTED FOR CONSISTENCY WITH FEDERAL ENERGY REGULATORY COMMISSION REPORTS.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 277

UNIT NAME PEACH BOTTOM UNIT 2

DATE MAY 9, 1980

REPORT MONTH APRIL, 1980

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) (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
9	800401	S	719.0 ----- 719.0	C	2	NONE	RC	FUELXX	CONTINUATION OF REFUEL 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

DOCKET NO. 50 - 278

UNIT PEACH BOTTOM UNIT 3

DATE MAY 9, 1980

COMPANY PHILADELPHIA ELECTRIC COMPANY

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

TELEPHONE (215) 841-5022

MONTH APRIL 1980

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1073	17	1071
2	1071	18	1069
3	1032	19	1069
4	967	20	1071
5	1072	21	1072
6	1071	22	1069
7	1065	23	1068
8	1064	24	1067
9	1012	25	1069
10	1024	26	1068
11	1040	27	1069*
12	1031	28	1069
13	1071	29	1067
14	1070	30	1070
15	1075		
16	1066		

* Adjusted for daylight savings time.

DOCKET NO. 50 - 27P

DATE MAY 9, 1980

COMPLETED BY PHILADFLPHIA 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: APRIL, 1980
- 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 TWO MAJOR POWER REDUCTIONS AND NO OUTAGES.

- 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	719	2,903	46,943
12. NUMBER OF HOURS REACTOR WAS CRITICAL	719	2,410*	37,256*
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	719.0	2,303.5*	36,235.3*
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,339,743	7,333,210	101,552,364
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	799,100	2,470,150	33,056,010
18. NET ELECTRICAL ENERGY GENERATED (MWH)	761,515	2,385,028	31,729,828
19. UNIT SERVICE FACTOR	100.0	79.3*	77.2*
20. UNIT AVAILABILITY FACTOR	100.0	79.3*	77.2*
21. UNIT CAPACITY FACTOR (USING MDC NET)	102.3	79.4	65.3
22. UNIT CAPACITY FACTOR (USING DER NET)	99.4	77.1	63.5
23. UNIT FORCED OUTAGE RATE	0.0	6.9*	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:

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

*THESE VALUES ADJUSTED TO CORRECT 24 HR. ERROR IN MARCH DATA FOR HRS. GENERATOR ON LINE, HRS. REACTOR CRITICAL, AND FORCED OUTAGE HRS.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 278

UNIT NAME PEACH BOTTOM UNIT 3

DATE MAY 9, 1980

REPORT MONTH APRIL, 1980

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 # (5)	SYSTEM CODE (6)	COMPONENT CODE (7)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE (8)
8	800403	S	0.0	B	4	NONE	HA	VALVEX	LOAD DROP TO REPAIR TUBE LEAK IN 2B WATER BOX AND #3 TURBINE CONTROL VALVE.
9	800409	F	0.0	A	4	NONE	CH	PUMPXX	LOAD DROP FOR REACTOR FEED PUMP TRIP ON HIGH VIBRATIONS.

			-						

(1)

(2)

(3)

(4)

F - FORCED
S - SCHEDULED

REASON
A - EQUIPMENT FAILURE (EXPLAIN)
R - MAINTENANCE OR TEST
C - REFUELING
D - REGULATORY RESTRICTION
E - OPERATOR TRAINING + LICENSE EXAMINATION
F - ADMINISTRATIVE
G - OPERATIONAL ERROR (EXPLAIN)
H - OTHER (EXPLAIN)

METHOD
1 - MANUAL
2 - MANUAL SCRAM.
3 - AUTOMATIC SCRAM.
4 - OTHER (EXPLAIN)

EXHIBIT G - INSTRUCTIONS
FOR PREPARATION OF DATA
ENTRY SHEETS FOR LICENSEE
EVENT REPORT (LER)
FILE (NUREG-0161)

(5)

EXHIBIT I - SAME SOURCE

PEACH BOTTOM ATOMIC POWER STATION
NARRATIVE SUMMARY OF OPERATING EXPERIENCES

APRIL, 1980

UNIT 2 OPERATIONS

The unit remains shutdown to accommodate refueling, modifications, and maintenance work. The removal of fuel from the reactor was completed on April 6. Changeout and verification of LPRMS was completed on April 8, 1980. Control rod blade changeout was completed on April 14. Draining and decontamination of the torus to accommodate modifications was completed April 11. The control rod blade exchange and ISI were completed on April 15. The draining and decontamination of the reactor well was completed on April 16. Upon completion of the uncoupling of 37 control rod drives and shutdown of the CRD system on April 21, the reactor vessel water level was lowered to facilitate installation of new design feedwater spargers and perform core spray system pipe replacement external to the reactor vessel.

UNIT 3 OPERATIONS

On April 3, a load reduction to approximately 660 MW was begun in order to replace a limit switch on one of the main turbine control valves. The control valve was "failed closed" and the limit switch was replaced. Following this the valves were tested and the unit returned to full power by April 4. During this reduced power operation, a condenser leak was also corrected. On April 8, the 3A reactor feed pump turbine tripped due to high vibration. This required a load reduction to approximately 940 MWe. After the reactor system was stabilized, load was increased to approximately 1055 MWe. This limit was maintained until early on April 11, when the unit was returned to full load. On April 12, a load reduction of 100 MWe was made so that the other two feed pumps could be taken out of service one at a time to accommodate lubricating their couplings. On April 13, the Unit 3D RHR pump suction line was discovered to have a leak at a drain tap. The pump was declared inoperable and appropriate surveillance tests were successfully completed. A cracked weld on the drain tap was successfully repaired and the pump was restored to service. On April 23, during testing of turbine valves, the No. 1 Combined Intercept Valve closed but did not "disc dump" and fast close through the last few percent of its travel. The problem was determined to be with an electrical coil which operates a solenoid on the valve. The coil was replaced on April 25 and the valve was satisfactorily tested.

REFUELING INFORMATION

1. Name of facility:
Peach Bottom Unit 2
2. Scheduled date for next refueling shutdown:
Fourth refueling outage in progress since March 21.
3. Scheduled date for restart following refueling:
July 13, 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 accommodate reload fuel. Modifications to reactor core operating limits are expected.
5. Scheduled date(s) for submitting proposed licensing action and supporting information:
Amendment application submitted February 19.
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 - No Fuel Assemblies
(b) Fuel pool - 1382 Irradiated Fuel Assemblies
292 Unirradiated 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:
March 7, 1981
3. Scheduled date for restart following refueling:
May 23, 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:
January 23, 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:
September, 1991.