OPERATING DATA REPORT

DOCKET NO. 50 - 277
DATE MAY 10, 1981
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: APRIL, 1981
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 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	2,879	59,807
12. NUMBER OF HOURS REACTOR WAS CRITICAL	522.7	2,640.1	45,192.6
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	521.9	2,597.0	44,109.8
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,702,910	8,149,370	128,570,442
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	576,770	2,745,600	42,358,700
18. NET ELECTRICAL ENERGY GENERATED (MWH)	555,841	2,654,655	40,614,319
19. UNIT SERVICE FACTOR	72.6	90.2	73.8
20. UNIT AVAILABILITY FACTOR	72.6	90.2	73.8
21. UNIT CAPACITY FACTOR (USING MDC NET)	73.6	87.7	64.6
22. UNIT CAPACITY FACTOR (USING DER NET)	72.6	86.6	63.8
23. UNIT FORCED OUTAGE RATE	27.4	9.8	6.3

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: APRIL, 1981
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 IS DOWN FOR REFUELING AND MAINTENANCE.

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	2,879	55,703
12. NUMBER OF HOURS REACTOR WAS CRITICAL	0	1,547.7	43,709.9
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	0.0	1,541.8	42,566.6
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	0	4,932,216	121,775,165
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	0	1,643,900	39,745,980
18. NET ELECTRICAL ENERGY GENERATED (MWH)	* -5,875	1,581,143	38,159,786
19. UNIT SERVICE FACTOR	0.0	53.6	76.4
20. UNIT AVAILABILITY FACTOR	0.0	53.6	76.4
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	53.3	66.2
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	51.6	64.3
23. UNIT FORCED OUTAGE RATE	0.0	1.1	7.3

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):
REFUELING/MAINTENANCE, 3/06/81, TWENTYTHREE WEEKS

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		

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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 277
UNIT PEACH BOTTOM UNIT 2
DATE MAY 10, 1981
COMPANY PHILADELPHIA ELECTRIC COMPANY

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MONTH APRIL 1981

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1075	17	1075
2	1075	18	1076
3	1072	19	1075
4	1079	20	1066
5	1075	21	1079
6	1076	22	641
7	1075	23	0
8	1065	24	0
9	1068	25	0
10	1075	26	0
11	1075	27	0
12	1077	28	0
13	1076	29	0
14	1077	30	0
15	1078		
16	1076		

AVERAGE DAILY UNIT POWER LEVEL

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MONTH APRIL 1981

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		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 277

UNIT NAME PEACH BOTTOM UNIT 2

DATE MAY 10, 1981

REPORT MONTH APRIL, 1981

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

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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
13	810422	F	197.1	A	1	NA	CB	MOTORX	2B REACTOR RECIRCULATION PUMP MOTOR BEARING FAILURE.
			197.1						

(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

DOCKET NO. 50 - 278

UNIT NAME PEACH BOTTOM UNIT 3

DATE MAY 10,1981

REPORT MONTH APRIL, 1981

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)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
6	810401	S	719.0	C	1	NA	RC	FUELXX	CONTINUING REFUELING OUTAGE.
			719.0						

(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

Docket No. 50-277

Attachment to
Monthly Operating Report
for April, 1981

REFUELING INFORMATION

1. Name of facility:

   Peach Bottom Unit 2

2. Scheduled date for next refueling shutdown:

   January 2, 1982

3. Scheduled date for restart following refueling:

   February 13, 1982

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:

   November 13, 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 - 910 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

Docket No. 50-2[illegible]

Attachment to
Monthly Operating Report
For April, 1981

REFUELING INFORMATION

1. Name of facility:

   Peach Bottom Unit 3

2. Scheduled date for next refueling shutdown:
   Refueling Began
   March 6, 1981

3. Scheduled date for restart following refueling:

   August 14, 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:
   Submitted
   March 30, 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 - 76[illegible] 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 assem[illegible].

9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity:

   September, 1991

PEACH BOTTOM ATOMIC POWER STATION
NARRATIVE SUMMARY OF OPERATING EXPERIENCES

APRIL 1981

Unit 2

The Unit operated at full power until early April 20 when an orderly shutdown was begun as a result of two Core Spray pumps failing to meet the Inservice Inspection operability criteria during a scheduled surveillance test. The Unit was returned to full power later on the same day following recalibration of the Core Spray pump flow indicator and retesting of the pumps.

Early on April 22, load was reduced to 800 MWe to verify a load relationship with a high "combustibles" indication on the 2A phase main transformer. The Unit was removed from service later in the day following the failure of the 2B recirculation pump seal. Subsequently, the 2B recirculation pump motor bearing was found to be badly damaged. The unit remains shutdown to effect repairs to the 2B recirculation pump motor.

Unit 3

The Unit remains shutdown to accommodate refueling, modifications and maintenance work. The Torus has been drained, decontaminated and structural modifications are in progress. During blocking for Emergency Core Cooling System (EECS) sensor replacement, a false ECCS initiation signal was received which led to draining of 160,000 gallons of water from the Unit 3 condensate storage tank into the Unit 3 High Pressure Coolant Injection (HPCI) pump room via the pump suction line and the disassembled pump. Flooding of this room also caused a spurious initiation of the CO_2 fire protection for the room. There were no resultant personnel exposures or injuries.

The Feedwater Spargers have been removed and the machining of the reactor vessel feedwater nozzles has begun. Changeout of Control Rod drives continues.