OPERATING DATA REPORT

DOCKET NO. 50 - 277
DATE FEBRUARY 10 , 1983
COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

W.H.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: JANUARY, 1983
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 FORCED SHUTDOWN.

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	744	75,192
12. NUMBER OF HOURS REACTOR WAS CRITICAL	736.7	736.7	55,826.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	723.8	723.8	54,272.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,331,730	2,331,730	158,840,702
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	772,680	772,680	52,293,190
18. NET ELECTRICAL ENERGY GENERATED (MWH)	743,810	743,810	50,128,959
19. UNIT SERVICE FACTOR	97.3	97.3	72.2
20. UNIT AVAILABILITY FACTOR	97.3	97.3	72.2
21. UNIT CAPACITY FACTOR (USING MDC NET)	95.1	95.1	63.4
22. UNIT CAPACITY FACTOR (USING DER NET)	93.9	93.9	62.6
23. UNIT FORCED OUTAGE RATE	2.7	2.7	7.6

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: JANUARY, 1983
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 REDUCTION AND ONE FORCED SHUTDOWN.

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	744	71,088
12. NUMBER OF HOURS REACTOR WAS CRITICAL	722.8	722.8	54,652.5
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	716.5	716.5	53,317.3
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,948,531	1,948,531	155,164,159
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	636,890	636,890	50,878,420
18. NET ELECTRICAL ENERGY GENERATED (MWH)	607,606	607,606	48,850,398
19. UNIT SERVICE FACTOR	96.3	96.3	75.0
20. UNIT AVAILABILITY FACTOR	96.3	96.3	75.0
21. UNIT CAPACITY FACTOR (USING MDC NET)	78.9	78.9	66.4
22. UNIT CAPACITY FACTOR (USING DER NET)	76.7	76.7	64.5
23. UNIT FORCED OUTAGE RATE	3.7	3.7	7.3

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):
SCHEDULED SHUTDOWN FOR REFUELING AND MAINTENANCE, STARTS 2/12/83, FOR TEN WEEK OUTAGE.

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

REPORT MONTH JANUARY, 1983

DOCKET NO. 50 - 277
UNIT NAME PEACH BOTTOM UNIT 2
DATE FEBRUARY 10 , 1983
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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
1	830129	F	20.2	B	4	NA	CB	PUMPXX	SHUTDOWN DUE TO LOW OIL IN "A" RECIRCULATION PUMP. RODS INSERTED MANUALLY - NO SCRAM.
			20.2						

(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 FEBRUARY 10 , 1983
COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

REPORT MONTH JANUARY, 1983

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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
1	830124	F	00.0	D	4	NA	ZZ	ZZZZZZ	LOAD REDUCTION DUE TO LIMITATIONS ON ALLOWABLE RIVER TEMPERATURES DIFFERENTIAL.
2	830127	F	27.5	A	2	383-3-30	EB	ELECON	SHUTDOWN DUE TO PROBLEMS WITH 4 KV EMERGENCY POWER BUS E-23.
			27.5						

(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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 277

UNIT PEACH BOTTOM UNIT 2

DATE FEBRUARY 10 , 1983

COMPANY PHILADELPHIA ELECTRIC COMPANY

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

TELEPHONE (215) 841-5022

MONTH JANUARY 1983

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1047	17	1056
2	1047	18	1052
3	1046	19	1057
4	1047	20	1062
5	1046	21	1058
6	1050	22	1057
7	1049	23	1062
8	1050	24	1054
9	1049	25	1051
10	1049	26	1053
11	1052	27	1051
12	1054	28	1050
13	1053	29	24
14	1054	30	565
15	1056	31	936
16	1057		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 278

UNIT PEACH BOTTOM UNIT 3

DATE FEBRUARY 10 , 1983

COMPANY PHILADELPHIA ELECTRIC COMPANY

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

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MONTH JANUARY 1983

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	901	17	856
2	898	18	850
3	895	19	849
4	893	20	846
5	889	21	846
6	887	22	843
7	885	23	839
8	880	24	824
9	879	25	828
10	875	26	824
11	875	27	458
12	873	28	44
13	866	29	648
14	863	30	858
15	862	31	823
16	860		

Docket No. 50-277
Attachment to
Monthly Operating
Report for January, 1983

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:

   January 14, 1984

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:

   September 10, 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 - 1170 Fuel Assemblies, 58 Fuel Rods

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.

   March, 1990 (September, 1985 with reserve for full core discharge)

Docket No. 50-278
Attachment to
Monthly Operating
Report for January, 1983

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 22, 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:

   Submitted December 30, 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 - 928 Fuel Assemblies, 6 Fuel Rods

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 (March, 1986 with reserve for full core discharge)

Docket Nos. 50-277
50-278

NUCLEAR - GENERATION DIVISION
NARRATIVE SUMMARY
JANUARY, 1983

Unit 2

The unit began the month at full power. On January 3,the power supply to the APRM "E" channel failed and was replaced. On January 4, it was discovered that a part in the ECCS room cooler local control switches was not qualified for long term operation following a design basis LOCA. Jumpers were installed as a temporary corrective measure.

During the power reduction on January 29 for a control rod pattern adjustment, the 2A Reactor Recirculation Pump motor lower bearing low oil level alarm was received. The unit was shutdown, the drywell deinerted and two quarts of oil added to the bearing reservoir. The plant was restarted and returned to service on January 30. Full power was achieved on January 31.

Unit 3

The unit began the month at 89% power in extended core flow operation during end of cycle coastdown. On January 13, 17, and 21, the HPCI was taken out of service for five to ten hours each time for adjustments to the turbine steam supply stop valve. Plant output was reduced by 110 MWe for about three hours on January 23, due to limiting river water temperatures. On January 26, the HPCI system was declared inoperable when its turbine exhaust vacuum breaker isolation valve failed to fully close during a surveillance test.

Inadvertent protective relay action de-energized a 4KV emergency bus on January 27, and prevented the associated emergency diesel generator output breaker from closing in on the dead bus. This led to a manual scram because of low condenser vacuum due to the loss of certain equipment fed by the de-energized bus. Following restoration of the 4 KV emergency bus and the repair of the HPCI isolation valve, the unit was started up and placed on the line on January 28. By the end of the month, the unit was at 80% power in extended core flow operation.