OPERATING DATA REPORT

DOCKET NO. 50 - 277
DATE OCTOBER 15, 1982
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: SEPTEMBER, 1982
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 SCHEDULED LOAD REDUCTION AND TWO FORCED SHUTDOWNS.

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	6,551	72,239
12. NUMBER OF HOURS REACTOR WAS CRITICAL	714.3	3,383.1	53,126.5
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	683.4	3,154.7	51,611.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,162,254	9,142,522	150,365,838
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	717,440	2,983,010	49,486,780
18. NET ELECTRICAL ENERGY GENERATED (MWH)	691,145	2,844,195	47,434,930
19. UNIT SERVICE FACTOR	94.9	48.2	71.4
20. UNIT AVAILABILITY FACTOR	94.9	48.2	71.4
21. UNIT CAPACITY FACTOR (USING MDC NET)	91.3	41.3	62.5
22. UNIT CAPACITY FACTOR (USING DER NET)	90.1	40.8	61.7
23. UNIT FORCED OUTAGE RATE	5.1	2.2	7.8

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		

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OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 3
2. REPORTING PERIOD: SEPTEMBER, 1982
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 SCHEDULED LOAD REDUCTION AND ONE FORCED LOAD REDUCTION.

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	6,551	68,135
12. NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	6,233.3	51,720.7
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	720.0	6,165.0	50,391.8
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,273,016	19,715,294	146,406,816
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	756,500	6,594,240	47,983,160
18. NET ELECTRICAL ENERGY GENERATED (MWH)	728,302	6,368,270	46,078,743
19. UNIT SERVICE FACTOR	100.0	94.1	74.0
20. UNIT AVAILABILITY FACTOR	100.0	94.1	74.0
21. UNIT CAPACITY FACTOR (USING MDC NET)	97.7	93.9	65.3
22. UNIT CAPACITY FACTOR (USING DER NET)	95.0	91.3	63.5
23. UNIT FORCED OUTAGE RATE	0.0	5.9	7.7

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		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH SEPTEMBER, 1982

DOCKET NO. 50 - 277
UNIT NAME PEACH BOTTOM UNIT 2
DATE OCTOBER 15, 1982
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
8	820903	F	20.9	B	1	NA	HC	HTEXCH	SHUTDOWN TAKEN TO REPAIR A '2A' MOISTURE SEPERATOR DRAIN TANK LEAK.
9	820910	F	15.7	D	1	NA	SA	VALVEX	SHUTDOWN TAKEN AFTER THE OUTER SERVICE AIR VALVE TO THE DRYWELL WAS FOUND OPEN.
10	820912	S	00.0	H	4	NA	RC	ZZZZZZ	LOAD REDUCTION FOR THE ADJUSTMENT OF THE CONTROL ROD PATTERN.
			36.6						

(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

REPORT MONTH SEPTEMBER, 1982

DOCKET NO. 50 - 278
UNIT NAME PEACH BOTTOM UNIT 3
DATE OCTOBER 15, 1982
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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
14	820917	S	00.0	H	4	NA	RC	ZZZZZZ	LOAD REDUCTION FOR THE ADJUSTMENT OF THE CONTROL ROD PATTERN.
15	820922	F	00.0	G	4	NA	CB	PUMPXX	LOAD REDUCED AFTER RECICULATION PUMP TRIP CAUSED BY A PERSONNEL ERROR.

			-						

(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 OCTOBER 15, 1982

COMPANY PHILADELPHIA ELECTRIC COMPANY

W.M.ALDEN
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NUCLEAR SECTION
GENERATION DIVISION-NUCLEAR

TELEPHONE (215) 841-5022

MONTH SEPTEMBER 1982

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1057	17	1055
2	1059	18	1055
3	1048	19	1052
4	10	20	1053
5	791	21	1053
6	890	22	1052
7	1047	23	1052
8	1049	24	1058
9	1053	25	1057
10	904	26	1056
11	209	27	1056
12	901	28	1050
13	881	29	1051
14	1051	30	1047
15	1052		
16	1049		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 278
UNIT PEACH BOTTOM UNIT 3
DATE OCTOBER 15, 1982
COMPANY PHILADELPHIA ELECTRIC COMPANY

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

TELEPHONE (215) 841-5022

MONTH SEPTEMBER 1982

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1041	17	1004
2	1039	18	601
3	1036	19	909
4	1024	20	1047
5	1027	21	1042
6	1025	22	978
7	1024	23	1057
8	1028	24	1055
9	1027	25	1049
10	1022	26	1046
11	1020	27	1052
12	1015	28	1047
13	1014	29	1046
14	1013	30	1042
15	1011		
16	1007		

Docket No. 50-277
Attachment to
Monthly Operating
Report for September, 1982

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:

   December 10, 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:

   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.

   September, 1990

Docket No. 50-278
Attachment to
Monthly Operating
Report for September, 1982

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 8, 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:

   December 17, 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, 1991

PEACH BOTTOM ATOMIC POWER STATION
NARRATIVE SUMMARY OF OPERATING EXPERIENCE
SEPTEMBER 1982

UNIT 2

The unit began the month at full power. On September 3 the unit was removed from service for repair of a significant leak on the A moisture separator man-way gasket. The unit was returned to service the same day and operated at full power until September 10 when difficulty maintaining nitrogen concentrations within the containment was discovered. Air in leakage led to the discovery of an open service air system containment outboard isolation valve and the unit was shutdown to determine the position of the inboard isolation valve. The unit was returned to service on September 11 and operated at full power until late on September 12 when power was reduced 25% for a control rod pattern adjustment. Full load operation was restored the following day.

UNIT 3

The unit operated at full power until late on September 17 when power was significantly reduced for a control rod sequence adjustment. During the reduction the B recirculation pump was removed from service for replacement of the MG set motor

brushes. Ramp-up to full power began on September 19 with full power being achieved on September 20. On September 22, power was drastically reduced due to a recirculation pump trip, caused by personnel error associated with construction work. The unit returned to full power later on September 22 and operated at full power until the end of the month.