DOCKET NO. 50 - 277

DATE FEBRUARY 11, 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: JANUARY, 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 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	744	744	66,432
12. NUMBER OF HOURS REACTOR WAS CRITICAL	724.8	724.8	50,468.2
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	711.2	711.2	49,167.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,956,134	1,956,134	143,179,450
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	628,630	628,630	47,132,400
18. NET ELECTRICAL ENERGY GENERATED (MWH)	604,812	604,812	45,195,547
19. UNIT SERVICE FACTOR	95.6	95.6	74.0
20. UNIT AVAILABILITY FACTOR	95.6	95.6	74.0
21. UNIT CAPACITY FACTOR (USING MDC NET)	77.3	77.3	64.7
22. UNIT CAPACITY FACTOR (USING DER NET)	76.3	76.3	63.9
23. UNIT FORCED OUTAGE RATE	4.4	4.4	8.1

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):
REFUELING/MAINTENANCE, STARTS 2/20/82, FOURTEEN 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		

OPERATING DATA REPORT

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GENERATION DIVISION-NUCLEAR
TELEPHONE (215) 841-5022

OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 3
2. REPORTING PERIOD: JANUARY, 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
8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS

NOTES: UNIT EXPERIENCED THREE POWER REDUCTIONS.

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	62,328
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	744.0	46,231.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	744.0	744.0	44,970.8
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,378,246	2,378,246	129,069,768
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	802,150	802,150	42,191,070
18. NET ELECTRICAL ENERGY GENERATED (MWH)	778,271	778,271	40,488,744
19. UNIT SERVICE FACTOR	100.0	100.0	72.2
20. UNIT AVAILABILITY FACTOR	100.0	100.0	72.2
21. UNIT CAPACITY FACTOR (USING MDC NET)	101.1	101.1	62.8
22. UNIT CAPACITY FACTOR (USING DER NET)	98.2	98.2	61.0
23. UNIT FORCED OUTAGE RATE	0.0	0.0	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		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 277
UNIT PEACH BOTTOM UNIT 2
DATE FEBRUARY 11, 1982
COMPANY PHILADELPHIA ELECTRIC COMPANY

W.M.ALDEN
ENGINEER-IN-CHARGE
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TELEPHONE (215) 841-5022

MONTH JANUARY 1982

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	903	17	875
2	902	18	872
3	899	19	869
4	895	20	864
5	892	21	863
6	890	22	385
7	892	23	20
8	891	24	438
9	892	25	781
10	889	26	710
11	890	27	874
12	890	28	855
13	887	29	852
14	884	30	846
15	880	31	843
16	878		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 278
UNIT PEACH BOTTOM UNIT 3
DATE FEBRUARY 11, 1982
COMPANY PHILADELPHIA ELECTRIC COMPANY

W.M.ALDEN
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GENERATION DIVISION-NUCLEAR

TELEPHONE (215) 841-5022

MONTH JANUARY 1982

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1072	17	1075
2	1074	18	1082
3	1073	19	1081
4	1076	20	1080
5	1077	21	1080
6	1073	22	1082
7	1054	23	1014
8	1076	24	741
9	1074	25	1015
10	1075	26	1082
11	1079	27	1080
12	1076	28	909
13	1078	29	956
14	1079	30	889
15	1081	31	1065
16	1081		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 277
UNIT NAME PEACH BOTTOM UNIT 2
DATE FEBRUARY 11, 1982
COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

REPORT MONTH JANUARY, 1982

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
1	820122	F	32.8	G	3	NA	CH	INSTRU	ACCIDENTAL BUMPING OF VIBRATION SWITCH ON '2C' REACTOR FEEDPUMP TURBINE WHICH TRIPPED TURBINE RESULTING IN LOW REACTOR LEVEL CAUSING AUTOMATIC SCRAM.
			32.8						

(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 11, 1982
COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

REPORT MONTH JANUARY, 1982

W.H.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
1	820123	S	00.0	H	4	NA	RC	ZZZZZZ	LOAD REDUCTION TO ADJUST CONTROL RODS REDUCTION EXTENDED TO REMOVE CONTROL ROD DRIVE SYSTEM VALVE AND TO REPAIR TUBE LEAKS IN '1B' AND '2C' CONDENSER WATER BOXES.
2	820129	S	00.0	A	4	NA	HG	DEMINX	LOAD REDUCTION TAKEN BECAUSE THERE WAS A POSSIBLE RESIN INJECTION INTO THE REACTOR WHICH BECAME IRRADIATED ALARMING THE AREA RADIATION MONITORS.
3	820130	S	00.0	B	4	NA	HF	HTEXCH	LOAD REDUCTION TO INVESTIGATE TUBE LEAKS ON CONDENSER WATERBOX '2B' AND REPAIR LEAKS.
			-						

(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

REFUELING INFORMATION

1. Name of facility:

   Peach Bottom Unit 2

2. Scheduled date for next refueling shutdown:

   February 20, 1982

3. Scheduled date for restart following refueling:

   May 30, 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:

   February 24, 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, 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. 50-278

Attachment to
Monthly Operating Report
for January 1982

REFUELING INFORMATION

1. Name of facility:

   Peach Bottom Unit 3

2. Scheduled date for next refueling shutdown:

   Refueling starts March 12, 1983

3. Scheduled date for restart following refueling:

   April 24, 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 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:

   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, 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 - 928 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

PEACH BOTTOM ATOMIC POWER STATION
NARRATIVE SUMMARY OF OPERATING EXPERIENCES
January, 1982

UNIT 2 OPERATIONS

The unit continues to operate in an end of cycle coast down mode. On January 22, the reactor experienced an inadvertant low reactor water level scram due to the jarring of the 2C reactor feedpump turbine vibration trip switch. The unit was returned to service the next day.

On January 28, a failed relay was replaced to correct a false 'A' channel scram from Scram Discharge Volume High Level.

The unit is scheduled to be removed from service on February 19 to accommodate suppression pool modifications and refueling.

UNIT 3 OPERATIONS

The unit operated at full capacity until January 23 when a load reduction was taken to accommodate control rod adjustments, control rod drive system valve repair, and repair of condenser leaks. The unit reached full power on January 25.

On January 28, load was reduced as a result of a suspected resin injection into the reactor causing some area radiation alarms. A load reduction was also taken on January 30 to accommodate investigation and repair of condenser leaks.