OPERATING DATA REPORT

DOCKET NO. 50 - 277
DATE APRIL 13, 1984
COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

W.H.ALDEN
ENGINEER-IN-CHARGE
LICENSING SECTION
GENERATION DIVISION-NUCLEAR
TELEPHONE (215) 841-5022

OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 2
2. REPORTING PERIOD: MARCH, 1984
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 FOR WATER BOX INSPECTION AND REPAIR AND CONTROL ROD PATTERN ADJUSTMENT.

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	2,184	85,392
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	1,931.9	61,630.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	744.0	1,894.6	59,906.4
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,331,778	5,943,562	176,498,172
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	754,130	1,932,900	58,103,990
18. NET ELECTRICAL ENERGY GENERATED (MWH)	731,249	1,873,943	55,710,373
19. UNIT SERVICE FACTOR	100.0	86.7	70.2
20. UNIT AVAILABILITY FACTOR	100.0	86.7	70.2
21. UNIT CAPACITY FACTOR (USING MDC NET)	93.5	81.6	62.1
22. UNIT CAPACITY FACTOR (USING DER NET)	92.3	80.6	61.3
23. UNIT FORCED OUTAGE RATE	0.0	5.8	12.6

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):
    1. SHUTDOWN FOR REFUELING AND PIPE REPLACEMENT FOR RECIRCULATION AND RESIDUAL HEAT REMOVAL (RHR) SYSTEMS BEGINNING 4/27/84 AND LASTING APPROXIMATELY 32-36 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		

IE24 111

OPERATING DATA REPORT

DOCKET NO. 50 - 278
DATE APRIL 13, 1984
COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

W.M.ALDEN
ENGINEER-IN-CHARGE
LICENSING SECTION
GENERATION DIVISION-NUCLEAR
TELEPHONE (215) 841-5022

OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 3
2. REPORTING PERIOD: MARCH, 1984
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 FOR B-1 WATER BOX REPAIR AND A CONTROL ROD PATTERN ADJUSTMENT.

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	2,184	81,288
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	1,881.3	58,681.1
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	744.0	1,849.5	57,165.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,401,963	5,861,301	166,899,606
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	807,480	1,951,650	54,766,770
18. NET ELECTRICAL ENERGY GENERATED (MWH)	785,881	1,896,799	52,560,584
19. UNIT SERVICE FACTOR	100.0	84.7	70.3
20. UNIT AVAILABILITY FACTOR	100.0	84.7	70.3
21. UNIT CAPACITY FACTOR (USING MDC NET)	102.1	83.9	62.5
22. UNIT CAPACITY FACTOR (USING DER NET)	99.2	81.5	60.7
23. UNIT FORCED OUTAGE RATE	0.0	15.3	7.5

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 APRIL 13, 1984

COMPANY PHILADELPHIA ELECTRIC COMPANY

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

TELEPHONE (215) 841-5022

MONTH MARCH 1984

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1039	17	998
2	1042	18	998
3	686	19	994
4	864	20	992
5	1028	21	990
6	1035	22	986
7	1030	23	979
8	1026	24	981
9	1012	25	971
10	962	26	972
11	1024	27	969
12	1016	28	967
13	1010	29	961
14	1008	30	959
15	1006	31	965
16	1002		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 278

UNIT PEACH BOTTOM UNIT 3

DATE APRIL 13, 1984

COMPANY PHILADELPHIA ELECTRIC COMPANY

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

TELEPHONE (215) 841-5022

MONTH MARCH 1984

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1078	17	736
2	1078	18	992
3	1085	19	1031
4	1078	20	1020
5	1076	21	981
6	1077	22	1068
7	1078	23	1067
8	1076	24	1067
9	1079	25	1075
10	1082	26	1075
11	1083	27	1076
12	1075	28	1074
13	1078	29	1075
14	1081	30	1077
15	1084	31	1079
16	1062		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 277
UNIT NAME PEACH BOTTOM UNIT 2
DATE APRIL 13, 1984
COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

REPORT MONTH MARCH, 1984

W.M.ALDEN
ENGINEER-IN-CHARGE
LICENSING 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
4	840302	S	000.0	B	4	NA	HC	ZZZZZZ	LOAD REDUCTION FOR WATER BOX INSPECTION AND REPAIR AND CONTROL ROD PATTERN ADJUSTMENT.

(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 APRIL 13, 1984
COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

REPORT MONTH MARCH, 1984

W.H.ALDEN
ENGINEER-IN-CHARGE
LICENSING 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
3	840316	S	000.0	B	4	NA	HC	ZZZZZZ	LOAD REDUCTION FOR B-1 WATER BOX REPAIR AND A CONTROL ROD PATTERN ADJUSTMENT.

(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 March, 1984

REFUELING INFORMATION

1. Name of facility:

   Peach Bottom Unit 2

2. Scheduled date for next refueling shutdown:

   April 27, 1984

3. Scheduled date for restart following refueling:

   December 12, 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.
   Technical specification changes associated with snubber reduction program.

5. Scheduled date(s) for submitting proposed licensing action and supporting information:

   September 12, 1984 for reload fuel

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 (March, 1986, with reserve full core discharge)

Docket No. 50-278
Attachment to
Monthly Operating
Report for March, 1984

REFUELING INFORMATION

1. Name of facility:

   Peach Bottom Unit 3

2. Scheduled date for next refueling shutdown:

   March 30, 1985.

3. Scheduled date for restart following refueling:

   September 21, 1985.

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.
   Technical specification changes associated with snubber reduction program.

5. Scheduled date(s) for submitting proposed licensing action and supporting information:

   June 21, 1985 for reload fuel

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 - 1212 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 (March, 1987, with reserve for full core discharge)

PEACH BOTTOM ATOMIC POWER STATION
NARRATIVE SUMMARY OF OPERATING EXPERIENCES
March, 1984

Unit 2

The unit began the month at full power with extended core flow. Load was reduced on March 2 to 475 MWe for a control rod pattern adjustment and for condenser waterbox inspection and tube plugging. The unit attained full power on March 5. A power reduction was again taken on March 10 for condenser waterbox inspection and tube plugging. The unit returned to its maximum end-of-core coastdown capability on the same day. The end-of-core coastdown continued and the unit ended the month at 94% power.

On March 3, a Primary Containment Isolation System (PCIS) GE-HFA normally energized relay was replaced due to expected failure based on a higher than normal operating temperature.

Following discovery on March 9 of power cable conduit damage resulting from construction core boring, the E-3 diesel generator was taken out-of-service, the cable tested successfully, and the diesel generator tested satisfactorily and was returned to service. The Reactor Core Isolation Cooling System was taken out-of-service on March 12 for the replacement of a control relay for a motor-operated valve. The system was tested and returned to service later the same day.

Two normally energized relays, PCIS GE CR-120, failed: one on March 21, the other on March 23. They were replaced within hours and the logics successfully tested. Two oxygen analyzer solenoid valves also failed in the isolated condition during a surveillance test on March 23. These solenoid valves were repaired and tested successfully. On March 26, a leak was discovered on the "B" Residual Heat Removal system heat exchanger. The High Pressure Service Water side of the heat exchanger has been isolated and drained in preparation for repair of the leak.

UNIT 3

The unit began the month at full power. Load was reduced to minimum reactor recirculation flow on March 16 for inspection and tube plugging of the main condenser B-1 waterbox along with a control rod pattern adjustment. The unit was returned to 96%, restricted by core thermal power limits. On March 20, load was reduced to 750 MWe for a further control rod pattern adjustment. By March 21, the unit had achieved essentially full power. Load was reduced on March 23 to 800 MWe for another control rod pattern adjustment and attained full power the same day. The unit continued at full power for the remainder of the month.

The "A" Core Spray pump was taken out-of-service on March 19 for pump impeller replacement due to marginal pumping capacity. The pump was tested and returned to service on March 21. On March 29, failure of a light socket in the Core Spray initiation logic resulted in blowing of the fuse feeding the B logic. The light socket has been removed from the circuit pending repairs.

PHILADELPHIA ELECTRIC COMPANY

2301 MARKET STREET

P.O. BOX 8699

PHILADELPHIA, PA. 19101

(215) 841-4000

April 13, 1984

Docket Nos. 50-277
50-278

Director
Office of Inspection & Enforcement
US Nuclear Regulatory Commission
Washington, DC 20555

Attention: Document Control Desk

SUBJECT: Peach Bottom Atomic Power Station
Monthly Operating Report

Gentlemen:

Attached are twelve copies of the monthly operating report for Peach Bottom Units 2 and 3 for the month of March, 1984 forwarded pursuant to Technical Specification 6.9.1.C under the guidance of Regulatory Guide 10.1, Revision 4.

Very truly yours,

W. T. Ullrich

W. T. Ullrich
Superintendent
Nuclear Generation Division

Attachment

cc: Dr. T. E. Murley, NRC
Mr. A. R. Blough, NRC Site Inspector
Mr. Stan P. Mangi, Dept. of Envir. Resources
Mr. P. A. Ross, NRC
INPO Records Center

IE24
1/1