OPERATING DATA REPORT

DOCKET NO. 50 - 277
DATE MARCH 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: FEBRUARY, 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 COMPLETED ITS PREVIOUS OUTAGE INITIATED ON 1/28/84, EXPERIENCED ONE SCHEDULED SHUTDOWN TO TEST MSIV'S AND FEEDWATER CHECK VALVES, AND ONE SCHEDULED LOAD REDUCTION FOR CONTROL ROD 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	696	1,440	84,648
12. NUMBER OF HOURS REACTOR WAS CRITICAL	495.1	1,187.9	60,886.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	481.3	1,150.6	59,162.4
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,467,302	3,611,784	174,166,394
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	462,430	1,178,770	57,349,860
18. NET ELECTRICAL ENERGY GENERATED (MWH)	447,367	1,142,694	54,979,124
19. UNIT SERVICE FACTOR	69.2	79.9	69.9
20. UNIT AVAILABILITY FACTOR	69.2	79.9	69.9
21. UNIT CAPACITY FACTOR (USING MDC NET)	61.2	75.5	61.8
22. UNIT CAPACITY FACTOR (USING DER NET)	60.4	74.5	61.0
23. UNIT FORCED OUTAGE RATE	8.0	9.2	12.8

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

OPERATING DATA REPORT

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W.H.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: FEBRUARY, 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 FORCED OUTAGE CAUSED BY POWER SPIKE RESULTING FROM PRESSURE SURGE ASSOCIATED WITH MALFUNCTIONING CONTROL CLOSING MAIN TURBINE VALVES.

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	696	1,440	80,544
12. NUMBER OF HOURS REACTOR WAS CRITICAL	677.4	1,137.3	57,937.1
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	661.4	1,105.5	56,421.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,079,002	3,459,336	164,497,643
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	689,900	1,144,170	53,959,290
18. NET ELECTRICAL ENERGY GENERATED (MWH)	670,622	1,110,918	51,774,703
19. UNIT SERVICE FACTOR	95.0	76.8	70.1
20. UNIT AVAILABILITY FACTOR	95.0	76.8	70.1
21. UNIT CAPACITY FACTOR (USING MDC NET)	93.1	74.5	62.1
22. UNIT CAPACITY FACTOR (USING DER NET)	90.5	72.6	60.4
23. UNIT FORCED OUTAGE RATE	5.0	23.2	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		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 277

UNIT PEACH BOTTOM UNIT 2

DATE MARCH 13, 1984

COMPANY PHILADELPHIA ELECTRIC COMPANY

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

TELEPHONE (215) 841-5022

MONTH FEBRUARY 1984

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	0	17	995
2	50	18	5
3	637	19	0
4	781	20	0
5	797	21	0
6	1019	22	0
7	1063	23	0
8	1069	24	0
9	1066	25	296
10	1060	26	893
11	1062	27	663
12	1067	28	891
13	1061	29	1032
14	1057		
15	1063		
16	1059		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 278
UNIT PEACH BOTTOM UNIT 3
DATE MARCH 13, 1984
COMPANY PHILADELPHIA ELECTRIC COMPANY

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

TELEPHONE (215) 841-5022

MONTH FEBRUARY 1984

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1073	17	1071
2	1076	18	1068
3	1082	19	1067
4	1094	20	1067
5	1064	21	1074
6	1059	22	1075
7	1096	23	1076
8	1010	24	1076
9	792	25	1080
10	0	26	1081
11	303	27	1079
12	404	28	1079
13	787	29	1084
14	1024		
15	1054		
16	1053		

UNIT SHUTDOWNS AND POWER REDUCTIONS

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

REPORT MONTH FEBRUARY, 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
1	840201	F	041.7	A	2	NA	SA	VESSEL	SHUTDOWN CONTINUED DUE TO EXCESSIVE LEAKAGE THROUGH DRYWELL AIRLOCK DURING STARTUP PRESSURIZATION TEST.
2	840218	S	173.0	B	1	NA	CD	VALVEX	TEST ON MAIN STEAM ISOLATION VALVES AND FEEDWATER CHECK VALVES.
3	840227	S	000.0	H	4	NA	RC	ZZZZZZ	CONTROL ROD PATTERN ADJUSTMENT.
			214.7						

(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 MARCH 13, 1984

REPORT MONTH FEBRUARY, 1984

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

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
2	840209	F	034.6	A	3	NA	CB	PUMPXX	AUTOMATIC SCRAM CAUSED BY POWER SPIKE RESULTING FROM PRESSURE SURGE ASSOCIATED WITH MALFUNCTIONING CONTROL CLOSING MAIN TURBINE VALVES.
			34.6						

(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

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 February, 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, 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 - 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)

Docket Nos. 50-277
50-278
Attachment to Monthly
Operating Report for
February, 1984

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

Unit 2

Startup began on February 2 after repair of a packing leak on the RCIC testable check valve and a leak in the drywell airlock inner gasket. A power reduction was taken on February 4 to permit final control rod pattern adjustment.

On February 6, in response to Bulletin 84-01, a Drywell to Torus Bypass Area Test was performed satisfactorily. On February 18, the unit was removed from service for Main Steam Isolation Valve (MSIV) and Feedwater Check Valve testing in compliance with NRC 10 CFR 50, Appendix J requirements. One MSIV failed to meet the leak rate requirements, was repaired and successfully retested. The Feedwater Check Valves tested satisfactorily. During this outage, an inspection of the Torus Vent Header was conducted. An isolated defect in the workmanship, associated with previous torus modifications, has been identified and repaired.

The unit returned to service on February 25. On February 27, reactor power was reduced to 426 MWe for a control rod pattern adjustment. The unit had reached 97% power at the end of the month.

UNIT 3

The unit began the operating period at full power. On February 6, in response to Bulletin 84-01, a Drywell to Torus Bypass Area Test was performed satisfactorily.

On February 9, the unit shutdown due to a high flux scram. The scram occurred following a trip of the 'B' reactor feedwater pump due to high vibration. Loss of the feedpump initiated runback of recirculation pumps and main turbine. Turbine runback did not automatically terminate as designed, resulting in a reactor pressure transient that caused the high flux spike.

The unit returned to service on February 10. On February 11, reactor power was reduced to 600 MWe for a control rod pattern adjustment.

On February 12, the unit was reduced to 400 MWe to permit repacking of a reactor feedpump coupling and to plug condenser tube leaks.

After repairing a condenser water box leak, the unit achieved full power on February 14. On February 16, power was reduced 90 MWe to replace a solenoid operated valve on the fifth feedwater heater extraction steam line. Later in the day, an additional 50 MWe reduction occurred when a feedwater heater extraction valve closed in the 'C' feedwater loop. The valve was re-opened and the unit attained full power on February 17, and operated at full power for the remainder of the month.

PHILADELPHIA ELECTRIC COMPANY

2301 MARKET STREET

P.O. BOX 8699

PHILADELPHIA, PA. 19101

(215) 841-4000

March 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 February, 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
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

IE-24
1/1