OPERATING DATA REPORT

DOCKET NO. 50 - 277

DATE AUGUST 15,1985

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: JULY, 1985
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 STARTUP BEGAN ON 7/13/85. UNIT 2 INCURRED TWO SCHEDULED SHUTDOWNS, TWO FORCED LOAD REDUCTIONS, AND ONE SCHEDULED 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	744	5,087	97,079
12. NUMBER OF HOURS REACTOR WAS CRITICAL	534.4	534.4	62,818.0
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	324.1	324.1	60,880.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	775,224	775,224	179,195,225
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	212,150	212,150	58,930,810
18. NET ELECTRICAL ENERGY GENERATED (MWH)	194,021	145,780	56,408,118
19. UNIT SERVICE FACTOR	43.6	6.4	62.7
20. UNIT AVAILABILITY FACTOR	43.6	6.4	62.7
21. UNIT CAPACITY FACTOR (USING MDC NET)	24.8	2.7	55.3
22. UNIT CAPACITY FACTOR (USING DER NET)	24.5	2.7	54.6
23. UNIT FORCED OUTAGE RATE	0.0	0.0	12.4

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 DATA REPORT

DOCKET NO. 50 - 278

DATE AUGUST 15,1985

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

M.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: JULY, 1985
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 INCURRED ONE FORCED LOAD REDUCTION. UNIT SHUT DOWN ON 7/14/85 FOR REFUEL AND MAINTENANCE OUTAGE 86.

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	5,087	92,975
12. NUMBER OF HOURS REACTOR WAS CRITICAL	351.0	4,055.7	68,613.2
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	336.0	3,989.3	66,854.4
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	779,256	10,796,856	194,996,664
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	236,530	3,486,130	63,993,670
18. NET ELECTRICAL ENERGY GENERATED (MWH)	216,216	3,320,841	61,430,143
19. UNIT SERVICE FACTOR	45.2	78.4	71.9
20. UNIT AVAILABILITY FACTOR	45.2	78.4	71.9
21. UNIT CAPACITY FACTOR (USING MDC NET)	28.1	63.1	63.8
22. UNIT CAPACITY FACTOR (USING DER NET)	27.3	61.3	62.0
23. UNIT FORCED OUTAGE RATE	0.0	0.8	7.1

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):
SCHEDULED SHUTDOWN FOR REFUELING AND MAINTENANCE OUTAGE,
STARTED 7/14/85

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: 10/17/85

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 AUGUST 15,1985

COMPANY PHILADELPHIA ELECTRIC COMPANY

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

TELEPHONE (215) 841-5022

MONTH JULY 1985

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	0	17	601
2	0	18	169
3	0	19	0
4	0	20	32
5	0	21	493
6	0	22	476
7	0	23	0
8	0	24	0
9	0	25	476
10	0	26	805
11	0	27	738
12	0	28	728
13	0	29	956
14	234	30	981
15	237	31	909
16	494		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 278

UNIT PEACH BOTTOM UNIT 3

DATE AUGUST 15,1985

COMPANY PHILADELPHIA ELECTRIC COMPANY

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

TELEPHONE (215) 841-5022

MONTH JULY 1985

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	707	17	0
2	703	18	0
3	701	19	0
4	697	20	0
5	692	21	0
6	690	22	0
7	684	23	0
8	680	24	0
9	641	25	0
10	691	26	0
11	678	27	0
12	670	28	0
13	673	29	0
14	332	30	0
15	0	31	0
16	0		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 277

UNIT NAME PEACH BOTTOM UNIT 2

DATE AUGUST 15,1985

REPORT MONTH JULY, 1985

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
1	850701	S	310.0	C	1	N/A	RC	FUELXX	SHUTDOWN FOR SIXTH REFUELING, MAINTENANCE, AND MAJOR MODIFICATION OUTAGE.
2	850718	S	052.4	A	1	2-85-01	HA	TURBIN	SHUTDOWN TO BALANCE TURBINE DUE TO HIGH VIBRATIONS.
3	850722	S	057.5	A	1	2-85-02	CH	PIPEXX	CORRECT INSTRUMENT TEST TAP LEAK ON C FEED PUMP DISCHARGE LINE.
4	850727	S	000.0	B	4	N/A	RC	ZZZZZZ	LOAD REDUCTION FOR ROD PATTERN ADJUSTMENT.
5	850730	F	000.0	D	4	N/A	MC	ZZZZZZ	LOAD REDUCTION DUE TO MAIN STEAM LINE HIGH RADIATION DUE TO RESIN INJECTION.
6	850731	F	000.0	A	4	N/A	CH	PUMPXX	LOAD REDUCTION DUE TO A REACTOR FEED PUMP EXHAUST RUPTURE DISC LEAK.
			419.9						

(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 AUGUST 15,1985

REPORT MONTH JULY, 1985

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
12	850709	F	000.0	A	4	N/A	EG	ZZZZZZ	LOAD REDUCTION DUE TO LOSS OF VACUUM CAUSED BY XFMR BREAKER TRIP DUE TO GROUND FAULT.
13	850714	S	408.0	C	1	N/A	RC	REFUEL	SHUTDOWN FOR SIXTH REFUELING/MAINTENANCE OUTAGE.
			408.0						

(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 July, 1985

REFUELING INFORMATION

1. Name of facility:

   Peach Bottom Unit 2

2. Scheduled date for next refueling shutdown:

   October 11, 1986

3. Scheduled date for restart following refueling:

   December 27, 1986

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.

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

   Reload 7 license amendment to be submitted September 26, 1986.

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 - 1464 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 July, 1985

REFUELING INFORMATION

1. Name of facility:

   Peach Bottom Unit 3

2. Scheduled date for next refueling shutdown:

   July 14, 1985

3. Scheduled date for restart following refueling:

   October 17, 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.

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

   MAPLHGR Limits Submitted January 7, 1985
   Additional Core Limit Information - April 12, 1985

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.

   March, 1992 (January, 1987 with reserve for full core discharge)

Docket Nos. 50-277/50-278
Attachment to Monthly
Operating Report for
July, 1985

Peach Bottom Atomic Power Station
Narrative Summary of Operating Experiences
July, 1985

UNIT 2

Reactor startup began on July 6. The turbine generator returned to service on July 13.

On July 18, the unit was shutdown to balance the generator and turbine in order to correct a vibration problem. The unit returned to service on July 20.

On July 22, the unit was shutdown to repair an instrument test tap leak on the "C" reactor feedpump flow transmitter sensing line. The unit returned to service on July 25.

Load was reduced on July 27 to 738 MWe for a control rod pattern adjustment. Upon completion of the control pattern adjustment, the unit returned to full power on July 30.

On July 30, load was reduced to 860 MWe after the main steam line radiation levels increased as a result of an apparent resin injection into the reactor vessel when placing the "G" filter demineralizer in service. The unit returned to full power on July 31.

On July 31, a load reduction to 791 MWe was initiated in order to remove the "A" reactor feedpump from service for repair of the feedpump turbine exhaust rupture disc. After removing the "A" reactor feedpump from service, load was held at 791 MWe in order to regenerate several condensate filter demineralizers. The unit

ended the report period operating at 934 MWe.

UNIT 3

The unit began the month at 73% power in extended core flow coastdown operation.

On July 9, a personnel accident associated with the cooling tower transformer caused an initiation of one of two automatic logic signals for the Group II and III containment isolation in both units, and loss of various electrical loads, including the Unit 3 recombiner compresser and air ejector.

On July 14, Unit 3 was shutdown for its sixth refueling outage. The scheduled return date is October 17, 1985.

The vessel head, steam dryer, and moisture separator have been removed. Local leak rate testing (LLRT) of the eight (8) main steam isolation valves (MSIV) has been completed; two (2) need attention.

By the end of July, the augmented I ervice Inspection program to satisfy Generic Letter 84-11 inspect on requirements has resulted in confirmed crack indications in three welds in previously uncracked Induction Heating Stress Improvement (IHSI) treated Residual Heat Removal (RHR) system welds. Two of the three welds will be weld overlay repaired. Based on fatigue crack growth analysis, a decision on the third weld is pending.

PHILADELPHIA ELECTRIC COMPANY

2301 MARKET STREET

P.O. BOX 8699

PHILADELPHIA, PA. 19101

(215) 841-4000

August 15, 1985

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 July, 1985 forwarded pursuant to Technical Specification 6.9.1.C under the guidance of Regulatory Guide 10.1, Revision 4.

Very truly yours,

W. M. Alden

for R. H. Logue
Superintendent
Nuclear Services

Attachment

cc: Dr. T. E. Murley, NRC
Mr. T. P. Johnson, Resident Inspector
Mr. Stan P. Mangi, Dept. of Envir. Resources
Mr. P. A. Ross, NRC (2 copies)
Mr. Thomas Magette, Maryland Power Plant Siting
INPO Records Center

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