

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:  
February 15, 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:  
  
Reload 6 license amendment application submitted September 7, 1984.
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)

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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:

June 8, 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:

December, 1984

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  
October, 1984

UNIT 2

Unit 2's Refueling/Pipe Replacement outage continues. Replacement of the nuclear instrument dry tubes in the reactor, head spray piping installation, and removal of the recirculation and Residual Heat Removal piping have been completed.

Fuel channel inspection, positioning and end-prepping of the new recirculation pipe installation in the drywell, jet pump riser safe-end replacements, and replacement of reactor nuclear instrument detectors are in progress.

The 'B' recirculation pump motor has been removed from the drywell and the 'A' pump motor has not yet been removed.

UNIT 2

The unit began the month at 96% power due to the #3 Traversing Incore Probe (TIP) machine being out-of-service. On October 25, load was reduced to 80% power to reduce the high off-gas radiation levels of approximately 45,000 uCi/second and mitigate future fuel failures. After the power reduction, the off-gas radiation level was 24,000 uCi/second and the unit ended the month at 80% power.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 278

UNIT PEACH BOTTOM UNIT 3

DATE NOVEMBER 14, 1984

COMPANY PHILADELPHIA ELECTRIC COMPANY

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

TELEPHONE (215) 841-5022

MONTH OCTOBER 1984

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1004	17	1020
2	1020	18	1020
3	1017	19	1023
4	1023	20	1021
5	1026	21	1020
6	1032	22	1018
7	1028	23	1022
8	1025	24	1019
9	1024	25	994
10	1021	26	844
11	1023	27	845
12	1019	28	844
13	1019	29	837
14	1019	30	836
15	1019	31	831
16	1021		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 277

UNIT PEACH BOTTOM UNIT 2

DATE NOVEMBER 14, 1984

COMPANY PHILADELPHIA ELECTRIC COMPANY

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

TELEPHONE (215) 841-5022

MONTH OCTOBER 1984

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	0
9	0	25	0
10	0	26	0
11	0	27	0
12	0	28	0
13	0	29	0
14	0	30	0
15	0	31	0
16	0		

OPERATING DATA REPORT

DOCKET NO. 50 - 278

DATE NOVEMBER 14, 1964

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: OCTOBER, 1964
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  
A LOAD REDUCTION TO  
LOWER THE RADIATION  
LEVELS IN THE OFF-GAS.

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	745	7,320	86,424
12. NUMBER OF HOURS REACTOR WAS CRITICAL	745.0	6,429.8	63,229.6
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	745.0	6,359.4	61,675.6
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,257,320	20,051,343	181,089,648
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	758,480	6,697,720	59,512,640
18. NET ELECTRICAL ENERGY GENERATED (MWH)	733,679	6,483,227	57,147,012
19. UNIT SERVICE FACTOR	100.0	86.9	71.4
20. UNIT AVAILABILITY FACTOR	100.0	86.9	71.4
21. UNIT CAPACITY FACTOR (USING MDC NET)	95.2	85.6	63.9
22. UNIT CAPACITY FACTOR (USING DER NET)	92.5	83.2	62.1
23. UNIT FORCED OUTAGE RATE	0.0	10.5	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	-----	-----

OPERATING DATA REPORT

DOCKET NO. 50 - 277

DATE NOVEMBER 14, 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 2
2. REPORTING PERIOD: OCTOBER, 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 CONTINUED ITS  
SCHEDULED SHUTDOWN FOR  
ITS SIXTH REFUELING AND  
MAINTENANCE 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	745	7,320	90,528
12. NUMBER OF HOURS REACTOR WAS CRITICAL	0	2,584.7	62,283.6
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	0.0	2,544.8	60,556.6
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	0	7,865,391	178,420,001
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	0	2,547,570	58,718,660
18. NET ELECTRICAL ENERGY GENERATED (MWH)	* -4,733	2,433,538	56,269,968
19. UNIT SERVICE FACTOR	0.0	34.8	66.9
20. UNIT AVAILABILITY FACTOR	0.0	34.6	66.9
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	31.6	59.1
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	31.2	58.4
23. UNIT FORCED OUTAGE RATE	0.0	4.4	12.5

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):  
SCHEDULED SHUTDOWN FOR REFUELING AND MAINTENANCE,  
STARTED 4/27/84

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: 02/15/85

26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):	FORECAST	ACHIEVED
INITIAL CRITICALITY	-----	-----
INITIAL ELECTRICITY	-----	-----
COMMERCIAL OPERATION	-----	-----

\* - NEGATIVE VALUE REPORTED FOR CONSISTENCY WITH FEDERAL ENERGY REGULATORY COMMISSION REPORTS.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 277

UNIT NAME PEACH BOTTOM UNIT 2

DATE NOVEMBER 14, 1984

REPORT MONTH OCTOBER, 1984

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

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

DATE	TYPE (1)	DURATION (HOURS) (2)	REASON (3)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
841001	S	744.0	C	1	NA	RC	FUELXX	SHUTDOWN FOR ITS SIXTH REFUELING OUTAGE.

(1)

(2)

(3)

(4)

FORCED  
SCHEDULED

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)

METHOD

- 1 - MANUAL
- 2 - MANUAL SCRAM.
- 3 - AUTOMATIC SCRAM.
- 4 - OTHER (EXPLAIN)

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 NOVEMBER 14, 1984

REPORT MONTH OCTOBER, 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) (2)	REASON (3)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
9	841025	S	0	B	-	N/A	MB	N/A	LOAD REDUCED TO LOWER RADIATION LEVELS IN THE OFF-GAS.

(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

PHILADELPHIA ELECTRIC COMPANY

2301 MARKET STREET  
P.O. BOX 8699  
PHILADELPHIA, PA. 19101  
(215) 841-4000

November 16, 1984

Docket Nos. 50-277  
50-278

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

Attention: Document Control Desk

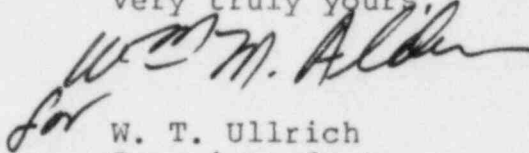
SUBJECT: Peach Bottom Atomic Power Station  
Monthly Operating Report

File: GOVT 1-1-5

Gentlemen:

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

Very truly yours,

*for* 

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

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