

# OPERATING DATA REPORT

DOCKET NO. 50 - 277

DATE FEBRUARY 15, 1985

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: JANUARY, 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 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 REASON:
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	92,736
12. NUMBER OF HOURS REACTOR WAS CRITICAL	0	0	62,283.6
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	0.0	0.0	60,556.6
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	0	0	178,420,001
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	0	0	58,718,660
18. NET ELECTRICAL ENERGY GENERATED (MWH)	* -3,804	* -3,804	56,258,534
19. UNIT SERVICE FACTOR	0.0	0.0	65.3
20. UNIT AVAILABILITY FACTOR	0.0	0.0	65.3
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	0.0	57.7
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	0.0	57.0
23. UNIT FORCED OUTAGE RATE	0.0	0.0	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: 05/01/85

26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORECAST ACHIEVED

INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

IE24  
111

850131  
PDR ADOCK 0500277  
PDR

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## OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 3  
2. REPORTING PERIOD: JANUARY, 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 SCHEDULED  
AND ONE FORCED LOAD REDUCTION  
AND ONE FORCED OUTAGE. UNIT 3  
IS BEING ADMINISTRATIVELY  
LIMITED TO 87% POWER TO LIMIT  
OFF GAS RELEASE.

8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7) SINCE LAST REPORT, GIVE REASON:

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	88,632
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	744.0	65,301.5
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	734.6	734.6	63,599.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,052,720	2,052,720	186,252,528
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	682,870	682,870	61,190,410
18. NET ELECTRICAL ENERGY GENERATED (MWH)	661,384	661,384	58,770,686
19. UNIT SERVICE FACTOR	98.7	98.7	71.8
20. UNIT AVAILABILITY FACTOR	98.7	98.7	71.8
21. UNIT CAPACITY FACTOR (USING MDC NET)	85.9	85.9	64.1
22. UNIT CAPACITY FACTOR (USING DER NET)	83.5	83.5	62.3
23. UNIT FORCED OUTAGE RATE	1.3	1.3	7.4

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):  
REFUELING AND MAINTENANCE OUTAGES FROM 5/04/85  
6/28/85.

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 15, 1985

COMPANY PHILADELPHIA ELECTRIC COMPANY

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

TELEPHONE (215) 841-5022

MONTH JANUARY 1985

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		

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 278

UNIT PEACH BOTTOM UNIT 3

DATE FEBRUARY 15, 1985

COMPANY PHILADELPHIA ELECTRIC COMPANY

W. M. ALDEN

ENGINEER-IN-CHARGE

LICENSING SECTION

GENERATION DIVISION-NUCLEAR

TELEPHONE (215) 841-5022

MONTH JANUARY 1985

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	900	17	913
2	900	18	914
3	907	19	918
4	923	20	916
5	850	21	951
6	911	22	954
7	912	23	518
8	906	24	643
9	912	25	948
10	908	26	949
11	915	27	957
12	918	28	955
13	923	29	955
14	928	30	957
15	619	31	920
16	858		

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 277

UNIT NAME PEACH BOTTOM UNIT 2

DATE FEBRUARY 15, 1985

REPORT MONTH JANUARY, 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) (2)	REASON (3)	METHOD OF SHUTTING DOWN REACTOR (4)	LICENSEE EVENT REPORT #	SYSTEM CODE (5)	COMPONENT CODE (6)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
1	850101	S	744.0	C	1	NA	RC	FUELXX	SHUTDOWN FOR ITS SIXTH REFUELING OUTAGE.
			744.0						

(1)

(2)

(3)

(4)

F - FORCED  
S - 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 1 - SAME SOURCE



## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 278

UNIT NAME PEACOCK BOTTOM UNIT 3

DATE FEBRUARY 15, 1985

REPORT MONTH JANUARY, 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) (2)	REASON (3)	METHOD OF SHUTTING DOWN REACTOR (4)	LICENSEE EVENT REPORT #	SYSTEM CODE (5)	COMPONENT CODE (6)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
1	850105	S	00.0	B	4	N/A	HH	PIPEXX	LOAD REDUCTION TO REPAIR BROKEN TEST TAP ON THE 3A CONDENSATE PUMP.
2	850115	F	00.0	D	4	3-85-02	EC	ENGIN/	THE E4 DIESEL WAS INOP AND THE 39A RHR VALVE WAS INOP WHICH TOOK OUT CONTAINMENT COOLING SUBSYSTEMS. THIS WAS A LIMITING CONDITION AND A LOAD REDUCTION WAS TAKEN TOWARDS SHUT-DOWN. THE VALVE WAS RETURNED TO SERVICE BEFORE THE UNIT WAS REMOVED FROM SERVICE.
3	850123	F	09.4 ----- 9.4	A	1	N/A	HA	GENERA	GENERATOR TAKEN OFF LINE TO CLEAN UP AN OIL LEAK WHICH CAUSED A GENERATOR FIELD GROUND.

(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:

May 1, 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 to be returned from fuel pool  
(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)

REFUELING INFORMATION

1. Name of facility:

Peach Bottom Unit 3

2. Scheduled date for next refueling shutdown:

May 4, 1985

3. Scheduled date for restart following refueling:

June 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:

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.

September, 1991 (March, 1987, with reserve for full core discharge)



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

UNIT 2

The Refueling/Pipe Replacement outage continued throughout the month of January. The previous end date of 3/31/85 has been changed to 5/1/85.

Pipe replacement status as of 1/31/85 is as follows: 37 of 52 new pipe spools placed in the drywell; 78 of 102 weld preps have been completed; 30 of 78 welds completed; 22 of 30 completed welds have been accepted; and 8 new welds in progress.

Both 'A' and 'B' recirculation pump motors are in the drywell and are ready for installation. Welding is complete for eight of the ten recirculation riser safe ends.

UNIT 3

The unit began the month limited to 85% power due to high offgas activity. On January 5, load was reduced to 66% power to repair a broken test tap on the 3A condensate pump. The unit returned to 80% power on January 6. On January 7, the 'A' loop torus cooling valve would not stroke and was declared inoperable.

An Unusual Event was declared and shutdown was initiated on January 15 when the E-4 diesel generator and the 'A' loop torus cooling valve were declared inoperable. The valve was returned to service by the time the unit reached 25%. The E-4 diesel generator returned to service on January 21.

The unit was shutdown on January 23 to clear the generator exciter brushes. (An oil leak is causing ground fault alarm.) On January 24, the unit returned to service and reached 90% power the next day. At month end, it was taken out-of-service to perform surveillance tests.

/SLZ

PHILADELPHIA ELECTRIC COMPANY

2301 MARKET STREET

P.O. BOX 8699

PHILADELPHIA, PA. 19101

(215) 841-4000

February 15, 1985

Docket Nos. 50-277  
50-278

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

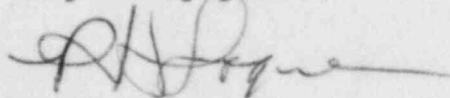
Attention: Document Control Desk

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

Very truly yours,



R. H. Logue  
Superintendent  
Nuclear Services

Attachment

cc: Dr. T. E. Murley, NRC  
Mr. J. H. Williams, Resident Inspector  
Mr. Stan P. Mangi, Dept. of Envir. Resources  
Mr. P. A. Ross, NRC (2 copies)  
INPO Records Center

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