OPERATING DATA REPORT

DOCKET NO. 50 - 277

DATE SEPTEMBER 13,1985

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: AUGUST, 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 INCURRED TWO SCHEDULED LOAD REDUCTIONS, THREE FORCED LOAD REDUCTIONS, TWO MANUAL SHUTDOWNS, AND FIVE AUTO-SCRAMS.

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	5,831	97,823
12. NUMBER OF HOURS REACTOR WAS CRITICAL	496.9	1,031.3	63,314.9
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	451.6	775.7	61,332.3
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,300,920	2,076,144	180,496,145
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	406,380	618,530	59,337,190
18. NET ELECTRICAL ENERGY GENERATED (MWH)	386,919	532,699	56,795,037
19. UNIT SERVICE FACTOR	60.7	13.3	62.7

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20. UNIT AVAILABILITY FACTOR	60.7	13.3	62.7
21. UNIT CAPACITY FACTOR (USING MDC NET)	49.5	8.7	55.2
22. UNIT CAPACITY FACTOR (USING DER NET)	48.8	8.6	54.5
23. UNIT FORCED OUTAGE RATE	39.3	27.4	12.7

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 - 278

DATE SEPTEMBER 13,1985

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 3
2. REPORTING PERIOD: AUGUST, 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 CONTINUED 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	744	5,831	93,719
12. NUMBER OF HOURS REACTOR WAS CRITICAL	0	4,055.7	68,613.2
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	0.0	3,989.3	66,854.4
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	0	10,796,856	194,996,664
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	0	3,486,130	63,993,670
18. NET ELECTRICAL ENERGY GENERATED (MWH)	* -8,113	3,312,728	61,422,030
19. UNIT SERVICE FACTOR	0.0	68.4	71.3

20. UNIT AVAILABILITY FACTOR	0.0	68.4	71.3
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	54.9	63.3
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	53.3	61.5
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: 12/1/85

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 SEPTEMBER 13,1985

REPORT MONTH AUGUST, 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
7	850803	S	000.0	B	4	N/A	CB	PIPEXX	LOAD REDUCTION TO ACCOMODATE TESTING OF NEWLY INSTALLED RECIRC PIPING.
8	850805	F	040.1	A	3	2-85-11	HA	INSTRU	FAILURE OF PRESSURE SWITCH RESET DURING TESTING OF TURBINE CONTROL VALVES. (SEE LER 85-11)
9	850807	F	013.7	H	3	2-85-12	IA	INSTRU	IRM HI-HI AUTO SCRAM. (SEE LER 85-12)
10	850808	F	000.0	A	4	N/A	HG	DEMINX	LOAD REDUCTION DUE TO MAIN STEAM LINE HI RAD AFTER COND/DEMIN RETURNED TO SERVICE.
11	850810	F	000.0	A	4	N/A	IB	ACCUMU	LOAD REDUCTION TO REPLACE CRD ACCUMULATOR DIAPHRAM.
12	850812	F	065.2	D	1	2-85-13	CF	VALVEX	MANUAL SHUTDOWN DUE TO E-3 DIESEL GENERATOR AND 'A' LPCI LOOP; BOTH INOPERABLE. (SEE LER 85-13)
13	850817	S	000.0	B	4	N/A	RC	ZZZZZZ	LOAD REDUCTION FOR ROD PATTERN ADJUSTMENT.
14	850819	F	146.9	D	1	2-85-13	CF	VALVEX	MANUAL SHUTDOWN DUE TO E-2 DIESEL GENERATOR AND 'A' LPCI LOOP; BOTH INOPERABLE. (SEE LER 85-13)

(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 - 277

UNIT NAME PEACH BOTTOM UNIT 2

DATE SEPTEMBER 13,1985

REPORT MONTH AUGUST, 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
15	850826	F	026.5	A	3	2-85-16	CB	INSTRU	FALSE LOW-LEVEL WHILE VALVING PT 53 B BLOCK VALVE PUT IN SERVICE FOLLOWING MAINTENANCE. (SEE LER 85-16)
16	850829	F	000.0	B	4	N/A	CB	PUMPXX	RECIRC. PUMP TRIP FOR TESTING OF REPLACED PIPE (MOD ACCEPTANCE TEST).
			292.4						

(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 SEPTEMBER 13,1985

REPORT MONTH AUGUST, 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
13	850801	S	744.0	C	1	N/A	RC	REFUEL	SHUTDOWN FOR SIXTH REFUELING/MAINTENANCE OUTAGE

			744.0						

(1)

- FORCED
- 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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 277

UNIT PEACH BOTTOM UNIT 2

DATE SEPTEMBER 13,1985

COMPANY PHILADELPHIA ELECTRIC COMPANY

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

TELEPHONE (215) 841-5022

MONTH AUGUST 1985

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	908	17	843
2	1003	18	953
3	579	19	930
4	837	20	0
5	911	21	0
6	0	22	0
7	0	23	0
8	544	24	0
9	909	25	0
10	806	26	0
11	902	27	573
12	905	28	931
13	0	29	822
14	0	30	915
15	104	31	1033
16	819		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 278

UNIT PEACH BOTTOM UNIT 3

DATE SEPTEMBER 13,1985

COMPANY PHILADELPHIA ELECTRIC COMPANY

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

TELEPHONE (215) 841-5022

MONTH AUGUST 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		

Docket No. 50-278
Attachment to
Monthly Operating
Report for August, 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:

   December 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:

   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. A request to increase fuel pool storage capacity was submitted to the NRC on August 1.

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 No. 50-277
Attachment to
Monthly Operating
Report for August, 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. A request to increase fuel pool storage capacity was submitted to the NRC on August 1.

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

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

UNIT 2

Unit 2 began the period at 96% power. Load was reduced on August 3 to accommodate the testing of newly installed recirculation system piping.

On August 5, the reactor scrammed from full power during turbine valve testing as a result of a turbine stop valve pressure switch setting being higher that the recommended value. The "A" reactor feed pump turbine exhaust rupture disk was repaired following the scram to remedy a vacuum leak.

During startup on August 7, the reactor scrammed as a result of high intermediate range neutron flux while maneuvering control rods to maintain reactor pressure. The generator was resynchronized on August 8.

On August 8, a load reduction was initiated after an increase in the main steam line radiation level, while placing a condensate filter demineralizer in service. On August 10, load was again reduced for a Control Rod Drive (CRD) accumulator diaphram replacement. Full load was achieved on August 12.

On August 12, the unit was shutdown from full power to comply with license requirements due to an inoperable Residual Heat Removal (RHR) system injection valve, coincident with the E-3 diesel generator being out-of-service for yearly maintenance. The reactor was restarted on August 15, after repairs to the injection valve and the restoration of the diesel generator to service.

On August 17, a load reduction was initiated for control rod pattern adjustment. Full power was achieved on August 18.

On August 19, the unit was again shutdown to comply with license requirements due to the E-2 diesel generator being out-of-service, coincident with another failure of the Residual Heat Removal (RHR) system injection valve. Repairs to the RHR system injection valve were completed and the diesel generator was restored to service on August 25. The reactor was restarted that same day.

During startup on August 26, the reactor scrammed again from false low water level signals while the reactor pressure transmitter was being returned to service. Following maintenance, the reactor was restarted and the turbine-generator was synchronized on August 27. Full load was achieved on August 28.

On August 29, a trip of one recirculation pump was performed to test the dynamic loads on the new recirculation system piping.

On August 31, the unit was operating at 100% power.

UNIT 3

The sixth refueling outage continued through the month of August.

As of August 30, inspections of 88 welds, in accordance with Generic Letter 84-11, have been completed. Seventeen of the 88 welds have crack indications, with nine of the seventeen welds requiring weld overlay.

Nine of ten recirculation safe ends examined have crack indications in the thermal sleeve to safe end crevice area. GE does not recommend safe end repairs based on a crack growth analysis justifying continued operation through the next operating cycle. NRC approval of plans for addressing the pipe crack problem is required prior to startup.

Visual inspection and bubble testing of the core spray spargers for Inter Granular Stress Cracking Corrosion (IGSCC) have verified thru wall cracks in one of the two piping tees. At this time, a repair procedure is being developed by GE.

Inspection of the Source Range Monitor and Intermediate Range Monitor dry tubes indicated cracking on 10 of the 12 tubes. One of these dry tubes has broken in the upper region near the pressure spring loading. However, this does not affect the boundary of dry tube integrity. It is planned to replace all 12 dry tubes.

Fuel sipping and inspection have been completed, indicating corrosion on 101 fuel assemblies. Reconstitution of fuel assemblies is being performed to replace defective pins.

LLM

PHILADELPHIA ELECTRIC COMPANY

2301 MARKET STREET

P.O. BOX 8699

PHILADELPHIA, PA. 19101

(215) 841-4000

September 13, 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 August, 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. 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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