



PECO NUCLEAR

A UNIT OF PECO ENERGY

PECO Energy Company
1848 Lay Road
Delta, PA 17314-9032
717 456 7014

March 15, 1996

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington DC 20555

Docket Nos. 50-277 and 50-278

Gentlemen:

Enclosed is the monthly operating report for Peach Bottom Units 2 and 3 for the month of February 1996 forwarded pursuant to Technical Specification 5.6.4 under the guidance of Regulatory Guide 10.1, Revision 4.

Sincerely,

Gerald R. Rainey
Vice President,
Peach Bottom Atomic Power Station

JWH JGH
GRR/MEW/JGH/mdk

Enclosures

cc: B. W. Gorman, Public Service Electric & Gas
W. P. Dornsife, Commonwealth of Pennsylvania
R. I. McLean, State of Maryland
T. T. Martin, Administrator, Region 1, USNRC
W. L. Schmidt, USNRC, Senior Resident Inspector
H. C. Schwemm, Atlantic Electric
A. F. Kirby, III, Delmarva Power & Light
INPO Records Center

cnr 96-14024

400003
9603180393 960229
PDR ADOCK 05000277
R PDR

IEPA
11

PEACH BOTTOM ATOMIC POWER STATION
NRC MONTHLY OPERATIONS SUMMARY
FEBRUARY 1996

UNIT 2

Unit 2 began the month of February at 100% power. Unit 2 losses included a broken HCU hand valve on Feb. 3 and icing of screens on Feb. 5. The unit operated at 100% power for the rest of the month except for two load drops for two rod pattern adjustments made on Feb. 23 and 28.

Unit 2 net generation for February was 773,501 MW.

UNIT 3

Unit 3 began the month of February at 100% power. On Feb. 2 a load drop for water box cleaning commenced. Later on Feb. 2, while increasing in power, a main generator hydrogen leak was discovered. Repairs were made and the unit returned to 100% power on Feb. 5. Upon reaching 100%, a relay dropped out giving a half scram indication. Power maneuvers were stopped in order to determine the source of the half scram. The build up of Xenon caused a small reduction of power. The unit remained at 100% power for the rest of the month with the exception of three load drops made for rod pattern adjustments on Feb 8, 23, and 28.

Unit 3 net generation for February was 697,977 MW.

UNIT 2 REFUELING INFORMATION

1. Name of facility:

Peach Bottom Unit 2

2. Scheduled date for next refueling shutdown:

Reload 11 scheduled for September 13, 1996.

3. Scheduled date for restart following refueling:

Restart following refueling forecast for October 20, 1996.

4. Will refueling or resumption of operation therefore require a technical specification change or other license amendment?

Yes.

If answer is yes, what, in general, will these be?

1. Wide Range Neutron Monitoring System
2. 10CFR50 Appendix J, Option B
3. Increase MCPR Value

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

Items 1 and 2 have been submitted; Item 3 is expected to be submitted within the next month.

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:

GE-13 Fuel Product Line will be utilized requiring a Tech Spec amendment.

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 - 2436 Fuel Assemblies, 52 Fuel Rods

UNIT 2 REFUELING INFORMATION (Continued)

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 3819 fuel assemblies.

9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present capacity:

September 2004 without full core offload capability.

September 1998 with full core offload capability.

UNIT 3 REFUELING INFORMATION

1. Name of facility:

Peach Bottom Unit 3
2. Scheduled date for next refueling shutdown:

Reload 11 scheduled for September 15, 1997
3. Scheduled date for restart following refueling

Restart following refueling scheduled for October 20, 1997
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

N/A

If answer is yes, what, in general, will these be?
5. Scheduled date(s) for submitting proposed licensing action and supporting information:
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:

N/A
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 - 2485 Fuel Assemblies, 16 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 3819 fuel assemblies.

UNIT 3 REFUELING INFORMATION (Continued)

9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present capacity:

September 2003 without full core offload capability.

September 1999 with full core offload capability.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 277

UNIT PEACH BOTTOM UNIT 2

DATE MARCH 6, 1996

COMPANY PECO ENERGY COMPANY

L. P. HYDRICK
BUSINESS SERVICES
SITE SUPPORT DIVISION
PEACH BOTTOM ATOMIC POWER STATION

TELEPHONE (717) 456-4383

MONTH FEBRUARY 1996

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1114	17	1114
2	1121	18	1118
3	1096	19	1114
4	1116	20	1114
5	989	21	1114
6	1119	22	1110
7	1115	23	1112
8	1119	24	1120
9	1123	25	1116
10	1119	26	1115
11	1119	27	1115
12	1114	28	1112
13	1119	29	1115
14	1119		
15	1123		
16	1114		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 278

UNIT PEACH BOTTOM UNIT 3

DATE MARCH 6, 1996

COMPANY PECO ENERGY COMPANY

L. P. HYDRICK
BUSINESS SERVICES
SITE SUPPORT DIVISION
PEACH BOTTOM ATOMIC POWER STATION

TELEPHONE (717) 456-4383

MONTH FEBRUARY 1996

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1113	17	1122
2	444	18	1122
3	0	19	1126
4	11	20	1122
5	834	21	1131
6	1096	22	1118
7	1120	23	1106
8	1103	24	1000
9	1073	25	1122
10	1127	26	1122
11	1118	27	1130
12	1126	28	1085
13	1126	29	1122
14	1122		
15	1127		
16	1122		

OPERATING DATA REPORT

DOCKET NO. 50 - 277

DATE MARCH 6, 1996

COMPLETED BY PECO ENERGY COMPANY

L. P. HYDRICK
BUSINESS SERVICES
SITE SUPPORT DIVISION
PEACH BOTTOM ATOMIC POWER STATION
TELEPHONE (717) 456-4383

OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 2
2. REPORTING PERIOD: FEBRUARY, 1996
3. LICENSED THERMAL POWER(MWT): 3458
4. NAMEPLATE RATING (GROSS MWE): 1221
5. DESIGN ELECTRICAL RATING (NET MWE): 1119
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 1159
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 1093

NOTES:

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	189,840
12. NUMBER OF HOURS REACTOR WAS CRITICAL	696.0	1,440.0	124,035.5
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	696.0	1,440.0	120,041.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,391,703	4,855,550	362,431,593
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	795,400	1,614,000	119,153,790
18. NET ELECTRICAL ENERGY GENERATED (MWH)	773,501	1,569,969	114,375,864

DATE MARCH 6, 1996

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0	100.0	63.2
20. UNIT AVAILABILITY FACTOR	100.0	100.0	63.2
21. UNIT CAPACITY FACTOR (USING MDC NET)	101.7	99.7	57.1
22. UNIT CAPACITY FACTOR (USING DER NET)	99.3	97.4	56.3
23. UNIT FORCED OUTAGE RATE	0.0	0.0	12.1
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: N/A

26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):	FORECAST	ACHIEVED
INITIAL CRITICALITY		09/16/73
INITIAL ELECTRICITY		02/18/74
COMMERCIAL OPERATION		07/05/74

OPERATING DATA REPORT

DOCKET NO. 50 - 278

DATE MARCH 6, 1996

COMPLETED BY PECO ENERGY COMPANY

L. P. HYDRICK
BUSINESS SERVICES
SITE SUPPORT DIVISION
PEACH BOTTOM ATOMIC POWER STATION
TELEPHONE (717) 456-4383

OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 3
2. REPORTING PERIOD: FEBRUARY, 1996
3. LICENSED THERMAL POWER(MWT): 3458
4. NAMEPLATE RATING (GROSS MWE): 1221
5. DESIGN ELECTRICAL RATING (NET MWE): 1119
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 1159
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 1093

NOTES:

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	185,736
12. NUMBER OF HOURS REACTOR WAS CRITICAL	696.0	1,440.0	122,727.2
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	646.0	1,390.0	119,198.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,193,286	4,704,550	354,391,008
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	716,200	1,550,600	116,170,032
18. NET ELECTRICAL ENERGY GENERATED (MWH)	697,977	1,511,480	111,525,332

DATE MARCH 6, 1996

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	92.8	96.5	64.2
20. UNIT AVAILABILITY FACTOR	92.8	96.5	64.2
21. UNIT CAPACITY FACTOR (USING MDC NET)	91.8	96.0	57.9
22. UNIT CAPACITY FACTOR (USING DER NET)	89.6	93.8	56.3
23. UNIT FORCED OUTAGE RATE	7.2	3.5	11.0
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: N/A

26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):	FORECAST	ACHIEVED
INITIAL CRITICALITY	-----	08/07/74
INITIAL ELECTRICITY	-----	09/01/74
COMMERCIAL OPERATION	-----	12/23/74

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 277

UNIT NAME PEACH BOTTOM UNIT 2

DATE MARCH 6, 1996

REPORT MONTH FEBRUARY, 1996

COMPLETED BY PECO ENERGY COMPANY

L. P. HYDRICK
BUSINESS SERVICES
SITE SUPPORT DIVISION
PEACH BOTTOM ATOMIC POWER STATION
TELEPHONE (717) 456-4383

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
4	960203	F	8.0	A	4		RB	CRDRVE	HCU VALVE BROKEN REACTOR NOT SHUT DOWN
5	960205	F	18.0	H	4		HF	XXXXXX	ICING OF INTAKE SCREENS ONE CIRC PUMP IN SERVICE REACTOR NOT SHUT DOWN
6	960223	S	2.0	H	4		RB	CONROD	ROD PATTERN ADJUSTMENT REACTOR NOT SHUT DOWN
7	960228	S	3.0	H	4		RB	CONROD	ROD PATTERN ADJUSTMENT REACTOR NOT SHUT DOWN
			31.0						

(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 6 - 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 6, 1996

REPORT MONTH FEBRUARY, 1996

COMPLETED BY PECO ENERGY COMPANY

L. P. HYDRICK
BUSINESS SERVICES
SITE SUPPORT DIVISION
PEACH BOTTOM ATOMIC POWER STATION
TELEPHONE (717) 456-4383

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	960202	S	14.0	B	4		HC	XXXXXX	CLEAN CONDENSER WATERBOXES REACTOR NOT SHUTDOWN
3	960202	F	50.0	A	4		HA	GENERA	MAIN GENERATOR HYDROGEN LEAK REACTOR NOT SHUTDOWN
4	960205	F	15.0	A	4		HA	RELAYX	5A RELAY DROPPED OUT REACTOR NOT SHUTDOWN
5	960208	S	6.0	H	4		RB	CONROD	ROD PATTERN ADJUSTMENT REACTOR NOT SHUTDOWN
6	960223	S	6.0	H	4		RB	CONROD	ROD PATTERN ADJUSTMENT REACTOR NOT SHUTDOWN
7	960228	F	10.0	H	4		RB	CONROD	343 S/U & ROD PATTERN ADJUSTMENT REACTOR NOT SHUTDOWN
			101.0						

(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 I - SAME SOURCE