PECO NUCLEAR
A Unit of PECO Energy

PECO Energy Company
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December 4, 1997

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 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 November 1997 forwarded pursuant to Technical Specification 5.6.4 under the guidance of Regulatory Guide 10.1, Revision 4.

Sincerely,

Mark E. Warner
Director, Site Engineering
Peach Bottom Atomic Power Station

MEW/MJM:dmk

Enclosures

cc: N.J. Sproul, Public Service Electric & Gas
E. Salowitz, Public Service Electric & Gas
W.P. Dornsife, Commonwealth of Pennsylvania
R.I. McLean, State of Maryland
T.T. Martin, Administrator, Region I, USNRC
W.L. Schmidt, USNRC, Senior Resident Inspector
T. M. Messick, Atlantic Electric
A.F. Kirby, III, Delmarva Power & Light
INPO Records Center
T. N. Mitchell, PECO Nuclear, Vice President, Peach Bottom Atomic Power Station

IE24 1/1

ccn 97-14071

Peach Bottom Atomic Power Station
Unit 2
November 1 through November 30, 1997

1. Narrative Summary of Operating Experiences

Unit 2 began the month of November at a nominal 100 % of rated thermal power (RTP).

On November 5, 1997 at 2000 hours, power was reduced to 94% of RTP for 5B Feedwater Heater steam leak repair. Power was restored to 100% on November 7, 1997 at 000 hours.

On November 9, 1997 at 15:25 U/2 automatic scram occurred due to loss of DC voltage during swap of battery chargers. Power was restored to 100% on November 11, at 500 hours.

Unit 2 ended this month operating at 100% RTP.

Attachment to
Monthly Operating
Report for November 1997

UNIT 2 REFUELING INFORMATION

1. Name of facility:

   Peach Bottom Unit 2

2. Scheduled date for next refueling shutdown:

   Reload 12 is scheduled for October 2, 1998.

3. Scheduled date for restart following refueling:

   Restart following refueling forecast for October 30, 1998.

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

   N/A

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

   N/A

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:

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 - 2720 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 2002 without full core offload capability.

   September 1998 with full core offload capability.

AVERAGE DAILY POWER LEVEL

DOCKET NO. 50 - 277
UNIT PEACH BOTTOM UNIT 2
DATE DECEMBER 3, 1997
COMPANY PECO ENERGY COMPANY
E. A. DUNNING
BUSINESS SERVICES
SITE SUPPORT DIVISION
PEACH BOTTOM ATOMIC POWER STATION
TELEPHONE (717) 456-3412

MONTH NOVEMBER, 1997

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1119
2	1113
3	1117
4	1123
5	1120
6	1072
7	1125
8	1120
9	720
10	0
11	322
12	962
13	1094
14	1127
15	1122
16	1122
17	1123
18	1122
19	1127
20	1114
21	1130
22	1126
23	1122
24	1126
25	1118
26	1122
27	1126
28	1121
29	1116
30	1120

OPERATING DATA REPORT

DOCKET NO. 50 - 277
DATE DECEMBER 3, 1997
COMPLETED BY PECO ENERGY COMPANY
E. A. DUNNING
BUSINESS SERVICES
SITE SUPPORT DIVISION
PEACH BOTTOM ATOMIC POWER STATION
TELEPHONE (717) 456-3412

OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 2
2. REPORTING PERIOD: NOVEMBER, 1997
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
8. IF CHANGES OCCUR IN C- ATINGS (ITEMS 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS:
9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE):
10. REASONS FOR RESTRICTIONS, IF ANY:

NOTES:

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	720	8,016	205,200
12. NUMBER OF HOURS REACTOR WAS CRITICAL	691.6	7,987.6	138,903.1
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	683.0	7,979.0	134,756.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	3,049,987	28,007,942	409,983,522
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	766,200	9,044,500	134,514,090
18. NET ELECTRICAL ENERGY GENERATED (MWH)	745,978	8,810,958	129,277,410

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 277

DATE DECEMBER 3, 1997

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	94.9 %	99.5 %	65.7 %
20. UNIT AVAILABILITY FACTOR	94.9 %	99.5 %	65.7 %
21. UNIT CAPACITY FACTOR (USING MDC NET)	94.8 %	100.6 %	59.5 %
22. UNIT CAPACITY FACTOR (USING DER NET)	92.6 %	98.2 %	58.5 %
23. UNIT FORCED OUTAGE RATE	5.1 %	5 %	11.1 %

24. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH):

25. IF SHUTDOWN AT THE END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 277
UNIT NAME PEACH BOTTOM UNIT 2
DATE DECEMBER 3, 1997
COMPLETED BY PECO ENERGY COMPANY
E. A. DUNNING
BUSINESS SERVICES
SITE SUPPORT DIVISION
PEACH BOTTOM ATOMIC POWER STATION
TELEPHONE (717) 456-3412

REPORT MONTH NOVEMBER, 1997

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
8	971109	F	37.0	H	3			BATTRY	Loss of DC voltage during swap of battery chargers
	TOTAL HOURS		37.0						

(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

Peach Bottom Atomic Power Station
Unit 3
November 1 through November 30, 1997

1. Narrative Summary of Operating Experiences

Unit 3 began the month of November at 0% of rated thermal power (RTP) due to refueling outage.

On November 8, 1997 at 1200 hours the Unit reached 93% of RTP. The Unit was held at 93% RTP due to jet pump riser weld cracking indications. The Unit was raised to 100% on November 12 at 0400 hours.

On November 14, 1997 at 2100 hours the Unit was reduced back to 93% of RTP due to jet pump riser weld cracking indications.

On November 28, 1997 at 1500 hours the Unit was manually shutdown to repair the "E" Steam Relief Valve. The Unit remained shutdown throughout the remainder of the month.

Docket No. 50-278
Attachment to
Monthly Operating
Report for November 1997

UNIT 3 REFUELING INFORMATION

1. Name of facility:

   Peach Bottom Unit 3

2. Scheduled date for next refueling shutdown:

   Reload 11 scheduled for October 3, 1997 is in progress

3. Scheduled date for restart following refueling

   Restart following refueling scheduled for November 1, 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. All items have been submitted.

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:

   (a) The 292 new 3R11 bundles are GE 13 design new to Unit 3

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 - 2777 Fuel Assemblies, 16 Fuel Rods (292 new 3R11 bundles)
   (one of the 2777 is a skeleton which contains less than a full complement of 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 POWER LEVEL

DOCKET NO. 50 - 278
UNIT PEACH BOTTOM UNIT 3
DATE DECEMBER 1997
COMPANY PECO ENERGY COMPANY
E. A. DUNNING
BUSINESS SERVICES
SITE SUPPORT DIVISION
PEACH BOTTOM ATOMIC POWER STATION
TELEPHONE (717) 456-3412

MONTH NOVEMBER, 1997

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	0
2	37
3	135
4	491
5	938
6	941
7	1044
8	1040
9	1042
10	1025
11	1036
12	1105
13	1112
14	1104
15	1031
16	1044
17	1039
18	1039
19	1039
20	1027
21	1048
22	1038
23	1037
24	1041
25	1033
26	1038
27	1042
28	741
29	0
30	0

OPERATING DATA REPORT

DOCKET NO 50 - 278
DATE DECEMBER 3, 1997
COMPLETED BY PECO ENERGY COMPANY
E. A. DUNNING
BUSINESS SERVICES
SITE SUPPORT DIVISION
PEACH BOTTOM ATOMIC POWER STATION
TELEPHONE (717) 456-3412

OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 3
2. REPORTING PERIOD: NOVEMBER, 1997
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 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	720	8,016	201,096
12. NUMBER OF HOURS REACTOR WAS CRITICAL	667.1	7,227.6	137,209.9
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	631.0	7,179.0	133,614.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,903,121	21,925,404	400,927,382
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	624,700	7,043,100	131,361,532
18. NET ELECTRICAL ENERGY GENERATED (MWH)	607,756	6,825,513	126,264,053

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 278

DATE DECEMBER 3, 1997

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	87.6 %	89.6 %	66.4 %
20. UNIT AVAILABILITY FACTOR	87.6 %	89.6 %	66.4 %
21. UNIT CAPACITY FACTOR (USING MDC NET)	77.2 %	77.9 %	60.2 %
22. UNIT CAPACITY FACTOR (USING DER NET)	75.4 %	76.1 %	58.6 %
23. UNIT FORCED OUTAGE RATE	.0 %	1.0 %	10.0 %

24. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH):

25. IF SHUTDOWN AT THE END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:

26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATIONS):	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 - 278
UNIT NAME PEACH BOTTOM UNIT 3
DATE DECEMBER 12, 1997
COMPLETED BY PECO ENERGY COMPANY
E. A. DUNNING
BUSINESS SERVICES
SITE SUPPORT DIVISION
PEACH BOTTOM ATOMIC POWER STATION
TELEPHONE (717) 456-3412

REPORT MONTH NOVEMBER, 1997

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
10	971101	S	34.0	C	2		ZZ	ZZZZZZ	Refueling Outage
11	971108	S	0.0	H	4		RA	PUMPXX	Jet pump riser weld cracking (duration shown only for shutdown)
12	971128	S	55.0	A	2		CC	VALVEX	"E" SRV leaking (duration is shown only for shutdown)
	TOTAL HOURS		89.0						

(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