



PECO ENERGY

Gerald R. Rainey
Vice President
Peach Bottom Atomic Power Station

PECO Energy Company
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November 7, 1994

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

Docket Nos. 50-277 and 50-278

Gentlemen:

Enclosed are twelve copies of the monthly operating report for Peach Bottom Units 2 and 3 for the month of October 1994 forwarded pursuant to Technical Specification 6.9.1.d under the guidance of Regulatory Guide 10.1, Revision 4.

Sincerely,

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

John of MSA
GRR/AJW/GHG/TUN/MSH:wjj

enclosures

- cc: R.A. Burricelli, 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
- H.C. Schwemm, Atlantic Electric
- A.F. Kirby, III, Delmarva Power & Light
- INPO Records Center

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PEACH BOTTOM ATOMIC POWER STATION
NRC MONTHLY OPERATIONS SUMMARY
OCTOBER 1994

UNIT 2

Unit 2 began the month of October shutdown in the middle of the 10th refueling outage. Unit 2 began start-up on October 19th when the mode switch was placed to the "start-up" position. The unit completed the refueling outage on October 22nd at 9:48 A.M. when the generator was placed on the grid. The remainder of October was dedicated to power ascension and rerate start-up testing. The unit exceeded 1098 Mwe on October 29th and reached the new rerated 100% nominal power later the same day. Unit 2 operated at that power level for the remainder of October.

UNIT 3

Unit 3 began the month of October at nominal 100% power. The Unit operated at that power level until the 8th when power was reduced to perform a rod pattern adjustment and scram time testing. The unit was returned to 100% nominal power later the same day. On October 11th an automatic reactor scram occurred due to high reactor water level caused by reactor feed pump control problems which were caused by the loss of power from the static inverter. After repairs the unit was restarted on October 15th and reached 100% nominal power on October 17th. Unit 3 operated at 100% nominal power for the remainder of October.

UNIT 2 REFUELING INFORMATION

1. Name of facility:
Peach Bottom Unit 2

2. Scheduled date for next refueling shutdown:
Reload 11 scheduled for September 20, 1996.

3. Scheduled date for restart following refueling:
Restart following refueling forecast for November 2, 1996.

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?

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

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 - 2420 Fuel Assemblies, 59 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.

UNIT 3 REFUELING INFORMATION

1. Name of facility:
Peach Bottom Unit 3
2. Scheduled date for next refueling shutdown:
Reload 10 scheduled for September 11, 1995
3. Scheduled date for restart following refueling
Restart following refueling scheduled for November 13, 1995
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?
No
If answer is yes, what, in general, will these be?
5. Scheduled date(s) for submitting proposed licensing action and supporting information:
N/A
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 - 2201 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 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 1997 with full core offload capability.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 277

UNIT PEACH BOTTOM UNIT 2

DATE NOVEMBER 7, 1994

COMPANY PECO ENERGY COMPANY

W. J. JEFFREY
 PERFORMANCE AND RELIABILITY
 SITE ENGINEERING
 PEACH BOTTOM ATOMIC POWER STATION

TELEPHONE (717) 456-7014 EXT. 4027

MONTH OCTOBER 1994

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	104
7	0	23	146
8	0	24	217
9	0	25	304
10	0	26	522
11	0	27	969
12	0	28	1048
13	0	29	1106
14	0	30	1118
15	0	31	1114
16	0		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 278

UNIT PEACH BOTTOM UNIT 3

DATE NOVEMBER 7, 1994

COMPANY PECO ENERGY COMPANY

W. J. JEFFREY
 PERFORMANCE AND RELIABILITY
 SITE ENGINEERING
 PEACH BOTTOM ATOMIC POWER STATION

TELEPHONE (717) 456-7014 EXT. 4027

MONTH OCTOBER 1994

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1049	17	1040
2	1049	18	1060
3	1056	19	1055
4	1057	20	1059
5	1064	21	1061
6	1049	22	1058
7	1050	23	1050
8	1030	24	1064
9	1054	25	1065
10	1058	26	1056
11	500	27	1065
12	0	28	1052
13	0	29	1059
14	0	30	1054
15	291	31	1053
16	873		

OPERATING DATA REPORT

DOCKET NO. 50 - 277

DATE NOVEMBER 7, 1994

COMPLETED BY PECO ENERGY COMPANY

W. J. JEFFREY
 PERFORMANCE AND RELIABILITY
 SITE ENGINEERING
 PEACH BOTTOM ATOMIC POWER STATION
 TELEPHONE (717) 456-7014 EXT. 4027

OPERATING STATUS

- 1. UNIT NAME: PEACH BOTTOM UNIT 2
- 2. REPORTING PERIOD: OCTOBER, 1994
- 3. LICENSED THERMAL POWER(MWT): 3458
- 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:

LICENSED THERMAL POWER INCREASED FROM 3293MWT to 3458 MWT. DUE TO POWER RERATE DURING THE REFUELING OUTAGE OTHER RATINGS WILL BE CHANGED UPON COMPLETION OF PERFORMANCE TESTING.

- 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	7,296	178,176
12. NUMBER OF HOURS REACTOR WAS CRITICAL	282.0	6,387.0	112,499.1
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	230.0	6,319.0	108,539.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	531,377	18,792,499	323,281,992
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	166,800	6,041,800	106,193,290
18. NET ELECTRICAL ENERGY GENERATED (MWH)	157,620	5,813,694	101,804,496

DATE NOVEMBER 7, 1994

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	30.9	86.6	60.9
20. UNIT AVAILABILITY FACTOR	30.9	86.6	60.9
21. UNIT CAPACITY FACTOR (USING MDC NET)	20.1	75.8	54.4
22. UNIT CAPACITY FACTOR (USING DER NET)	19.9	74.8	53.6
23. UNIT FORCED OUTAGE RATE	0.0	1.9	13.2

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 NOVEMBER 7, 1994

COMPLETED BY PECO ENERGY COMPANY

W. J. JEFFREY
 PERFORMANCE AND RELIABILITY
 SITE ENGINEERING
 PEACH BOTTOM ATOMIC POWER STATION
 TELEPHONE (717) 456-7014 EXT. 4027

OPERATING STATUS

- 1. UNIT NAME: PEACH BOTTOM UNIT 3
- 2. REPORTING PERIOD: OCTOBER, 1994
- 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:

- 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	7,296	174,072
12. NUMBER OF HOURS REACTOR WAS CRITICAL	654.0	7,124.0	111,795.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	654.0	7,124.0	108,415.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,108,198	23,003,922	321,777,399
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	696,800	7,565,200	105,555,332
18. NET ELECTRICAL ENERGY GENERATED (MWH)	673,103	7,323,311	101,297,318

DATE NOVEMBER 7, 1994

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	87.8	97.6	62.3
20. UNIT AVAILABILITY FACTOR	87.8	97.6	62.3
21. UNIT CAPACITY FACTOR (USING MDL NET)	87.3	97.0	56.2
22. UNIT CAPACITY FACTOR (USING DER NET)	84.8	94.2	54.6
23. UNIT FORCED OUTAGE RATE	12.2	2.4	11.7
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: 11/14/95

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 NOVEMBER 7, 1994

REPORT MONTH OCTOBER, 1994

COMPLETED BY PECO ENERGY COMPANY

W. J. JEFFREY
 PERFORMANCE AND RELIABILITY
 SITE ENGINEERING
 PEACH BOTTOM ATOMIC POWER STATION
 TELEPHONE (717) 456-7014 EXT. 4027

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
27	941001	S	515.0	C	1		RC	CONROD	REFUELING OUTAGE 2R10
			515.0						

(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

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 278

UNIT NAME PEACH BOTTOM UNIT 3

DATE NOVEMBER 7, 1994

REPORT MONTH OCTOBER, 1994

COMPLETED BY PECO ENERGY COMPANY

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 PERFORMANCE AND RELIABILITY
 SITE ENGINEERING
 PEACH BOTTOM ATOMIC POWER STATION
 TELEPHONE (717) 456-7014 EXT. 4027

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
18	941008	S	11.0	H	4		RC	CONROD	ROD PATTERN ADJUSTMENT
19	941011	F	91.0	A	3	3-94-05	CH	GENERA	AUTOMATIC SCRAM/ HIGH REACTOR WATER LEVEL DUE TO FEED PUMP CONTROL PROBLEMS CAUSED BY LOSS OF THE STATIC INVERTER
			----- 102.0						

(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-016')

(5)
 EXHIBIT I - SAME SOURCE