



PECO ENERGY

Gerald R. Rainey
Vice President
Peach Bottom Atomic Power Station

PECO Energy Company
RD 1, Box 208
Delta, PA 17314-9739
717 456 7014

June 10, 1994


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

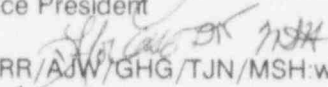
Docket Nos. 50-277 and 50-278

Gentlemen:

Enclosed are twelve copies of the monthly operating report for Peach Bottom Units 2 and 3 for the month of May 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


GRR/AJW/GHG/TJN/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
C.D. Schaefer, Delmarva Power
INPO Records Center

ccn 94-14110

200

9406210002 940531
PDR ADOCK 05000277
R PDR



PEACH BOTTOM ATOMIC POWER STATION
NRC MONTHLY OPERATIONS SUMMARY
MAY 1994

OVERVIEW OF ACTIVITIES

COMMON PLANT

The following common plant maintenance outages occurred during the month of May:

- * Start-up Transformer

UNIT 2

Unit 2 began the month of May at a nominal 100% power.

On May 14, 1994 at 01:00 hours power was reduced to perform a rod pattern adjustment. The unit was returning to 100% power at 18:00 hours when problems with the 2"A" recirc pump were encountered. An automatic scram of unit 2 occurred due to APRM Hi Hi Flux.

On May 20, 1994 the unit was restarted and returned to the grid at 19:00 hours and power ascension started.

On May 23, 1994 at 15:00 the unit reached approximately 95% power but power had to be reduced again to perform a rod pattern adjustment.

On May 25, 1994 at 19:00 hours the unit reached 100% nominal power.

On May 27, 1994 at 03:00 power was reduced to perform main stop valve testing. The unit was returned to 100% nominal power at 09:00 hours the same day remained at that level for the rest of May.

The following maintenance outages occurred on Unit 2:

- * HPCI
- * RCIC
- * "A" Loop Core Spray
- * "B" & "D" CAD Analyzers

UNIT 3

Unit 3 began the month of May at approximately 90% power due to "A" reactor feed pump maintenance to correct speed control problems.

On May 3, 1994 at 10:00 hours the unit was returned to 100% nominal power and remained at that level for the rest of May.

The following maintenance outages occurred on Unit 3:

- * "B" Loop Core Spray
- * RCIC

UNIT 2 REFUELING INFORMATION

1. Name of facility:

Peach Bottom Unit 2

2. Scheduled date for next refueling shutdown:

Reload 10 scheduled for September 17, 1994.

3. Scheduled date for restart following refueling:

Restart following refueling forecast for November 4, 1994.

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?

93-01 ARTS/MELLA
93-02 Recirc Pump M/G Set Replacement
93-12 Power Rerate
94-01 ECCS Refuel Operability Requirements
92-14 Unit 2 CAD Analyzer Upgrade

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

93-01 Submitted April 1993
93-12 Submitted June 1993
92-14 Submitted May 1994
93-02 Submitted May 1994
94-01 Submitted May 1994

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

UNIT 2 REFUELING INFORMATION (Continued)

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 - 2164 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 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 JUNE 10, 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 MAY 1994

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1042	17	0
2	1047	18	0
3	1041	19	0
4	1052	20	28
5	1047	21	446
6	1047	22	826
7	1048	23	961
8	1048	24	963
9	1052	25	934
10	1043	26	1035
11	1047	27	1027
12	1047	28	1035
13	1043	29	1039
14	898	30	1030
15	626	31	1012
16	0		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 278

UNIT PEACH BOTTOM UNIT 3

DATE JUNE 10, 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 MAY 1994

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	944	17	1060
2	945	18	1054
3	1009	19	1052
4	1062	20	1057
5	1057	21	1065
6	1052	22	1055
7	1058	23	1053
8	1063	24	1057
9	1062	25	1048
10	1054	26	1052
11	1057	27	1053
12	1057	28	1041
13	1054	29	1057
14	1070	30	1045
15	1049	31	1026
16	1047		

OPERATING DATA REPORT

DOCKET NO. 50 - 277

DATE JUNE 10, 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: MAY, 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): 1051

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	744	3,623	174,503
12. NUMBER OF HOURS REACTOR WAS CRITICAL	639.0	3,518.0	109,630.1
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	623.0	3,502.0	105,722.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,942,637	11,029,976	315,519,469
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	633,500	3,640,100	103,791,590
18. NET ELECTRICAL ENERGY GENERATED (MWH)	610,462	3,528,956	99,519,756

 DATE JUNE 10, 1994

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	83.7	96.7	60.6
20. UNIT AVAILABILITY FACTOR	83.7	96.7	60.6
21. UNIT CAPACITY FACTOR (USING MDC NET)	78.1	92.7	54.3
22. UNIT CAPACITY FACTOR (USING DER NET)	77.0	91.5	53.5
23. UNIT FORCED OUTAGE RATE	16.3	3.3	13.6
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 JUNE 10, 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: MAY, 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	744	3,623	170,399
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	3,542.0	108,213.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	744.0	3,542.0	104,833.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,431,145	11,532,243	310,305,720
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	803,300	3,813,700	101,803,832
18. NET ELECTRICAL ENERGY GENERATED (MWH)	777,959	3,706,604	97,680,611

DATE JUNE 10, 1994

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0	97.8	61.5
20. UNIT AVAILABILITY FACTOR	100.0	97.8	61.5
21. UNIT CAPACITY FACTOR (USING MDC NET)	101.0	98.8	55.4
22. UNIT CAPACITY FACTOR (USING DER NET)	98.2	96.1	53.8
23. UNIT FORCED OUTAGE RATE	0.0	2.2	12.0

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: 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 JUNE 10, 1994

REPORT MONTH MAY, 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)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
21	940514	S	17.0	H	4	N/A	RC	CONROD	ROD PATTERN ADJUSTMENT. REACTOR NOT SHUTDOWN
22	940514	F	121.0	A	3	N/A	CB	PUMPXX	APRM HI HI FLUX AUTOMATIC SCRAM DUE TO RECIRC PUMP SPEED PROBLEMS
23	940523	S	52.0	H	4	N/A	RC	CONROD	ROD PATTERN ADJUSTMENT REACTOR NOT SHUTDOWN
			190.0						

(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

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 278

UNIT NAME PEACH BOTTOM UNIT 3

DATE JUNE 10, 1994

REPORT MONTH MAY, 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 (4)	LICENSEE EVENT REPORT #	SYSTEM CODE (5)	COMPONENT CODE (6)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
3	940501	F	58.0	A	4	N/A	CH	PUMPXX	REACTOR FEED PUMP CONTROL PROBLEM. REACTOR NOT SHUTDOWN.
			58.0						

(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