



**PECO NUCLEAR**

A Unit of PECO Energy

PECO Energy Company  
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717 456 7014

December 4, 1998

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 1998 forwarded pursuant to Technical Specification 5.6.4 under the guidance of Regulatory Guide 10.1, Revision 4.

Sincerely,

Gordon L. Johnston  
Director, Site Engineering  
Peach Bottom Atomic Power Station

GLJ/PJD/RAM/JC:dmk

*GC*

Enclosures

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R. R. Janat, Commonwealth of Pennsylvania  
R.I. McLean, State of Maryland  
H. J. Miller, Administrator, Region I, USNRC  
A.C. McMurtray, USNRC, Senior Resident Inspector  
A.F. Kirby, III, Delmarva Power & Light  
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61B-3 - Chesterbrook  
62C-3 - Chesterbrook (e-mail)  
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A4-1S - Peach Bottom  
62A-1 - Chesterbrook (e-mail)  
52A-5 - Chesterbrook  
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S13-1 - Main Office (e-mail)  
62C-3 - Chesterbrook (e-mail)  
SMB 2-9 - Peach Bottom  
63C-3 - Chesterbrook  
SMB3-2- Peach Bottom

Peach Bottom Atomic Power Station  
Unit 2  
November 1 through November 30, 1998

1. Narrative Summary of Operating Experiences

Unit 2 began the month of November shut down for the scheduled 2R12 refueling outage.

The unit went critical at 08:45 on November 1.

The generator was synchronized to the grid at 05:46 on November 2.

The unit reached 100% power at 13:00 on November 9.

Unit 2 ended the month of November at 100% power.

UNIT 2 REFUELING INFORMATION

1. Name of facility:  
Peach Bottom Unit 2
2. Scheduled date for next refueling shutdown:  
Reload 13 is scheduled for September 29, 2000.
3. Scheduled date for restart following refueling:  
Restart following refueling forecast for October 27, 2000.
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:
  - a. The reload included 292 GE-13 bundles which replaced an equal number of GE-11 bundles. This was the second reload of GE-13 fuel for the unit.

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 - 3012 Fuel Assemblies, 52 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.

# OPERATING DATA REPORT

DOCKET NO. 50 - 277  
 DATE DECEMBER 7, 1998  
 COMPLETED BY PECO ENERGY COMPANY  
 D. M. KILGORE  
 PLANT ENGINEERING  
 ENGINEERING DIVISION  
 PEACH BOTTOM ATOMIC POWER STATION  
 TELEPHONE (717) 456-3412

OPERATING STATUS

1. UNIT NAME: .....	PEACH BOTTOM UNIT 2
2. REPORTING PERIOD: .....	NOVEMBER, 1998
3. DESIGN ELECTRICAL RATING (NET MWE): .....	1119
4. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): .....	1159
5. MAXIMUM DEPENDABLE CAPACITY (NET MWE): .....	1093

	THIS MONTH	YR-TO-DATE	CUMULATIVE
6. NUMBER OF HOURS REACTOR WAS CRITICAL	711.3	7,981.1	147,568.2
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	690.2	7,179.6	142,619.8
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	692,810	6,832,962	136,869,760

# UNIT SHUTDOWNS

DOCKET NO. 50 - 277  
 UNIT NAME PEACH BOTTOM UNIT 2  
 DATE DECEMBER 7, 1998  
 COMPLETED BY PECO ENERGY COMPANY  
 D. M. KILGORE  
 PLANT ENGINEERING  
 ENGINEERING DIVISION  
 PEACH BOTTOM ATOMIC POWER STATION  
 TELEPHONE (717) 456-3412

REPORT MONTH NOVEMBER, 1998

NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
1	981101	S	29.8	C	2	REFUELING OUTAGE
	TOTAL HOURS		29.8			

(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)

Peach Bottom Atomic Power Station  
Unit 3  
November 1 through November 30, 1998

1. Narrative Summary of Operating Experiences

Unit 3 began the month of November at 100% power.

The unit reduced power to 70% starting at 23:00 on November 20 to perform reactor feedpump turbine testing, control rod sequence exchange, and control rod scram time testing.

The unit returned to 100% power at 16:00 on November 23.

The unit was shut down, using a manual scram, at 12:35 on November 27 to repair an instrument nitrogen supply line.

The unit went critical at 13:00 on November 28.

The generator was synchronized to the grid at 00:24 on November 29.

Unit 3 ended the month of November at 69% power.

UNIT 3 REFUELING INFORMATION

1. Name of facility:  
Peach Bottom Unit 3
2. Scheduled date for next refueling shutdown:  
Reload 12 scheduled for October 1, 1999
3. Scheduled date for restart following refueling  
Restart following refueling scheduled for November 1, 1999
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?
  1. Recirculating Pump Trip Modification to be installed during 3R12.
  2. Power Range Monitor Modification to be implemented during 3R12.
5. Scheduled date(s) for submitting proposed licensing action and supporting information.
  1. Recirculating Pump Trip has been submitted.
  2. Power Range Monitor is scheduled to be submitted in March, 1999.
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) Preliminary reload will include 276 GE-13 bundles.
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.

# OPERATING DATA REPORT

DOCKET NO. 50 - 278  
 DATE DECEMBER 10, 1998  
 COMPLETED BY PECO ENERGY COMPANY  
 D. M. KILGORE  
 PLANT ENGINEERING  
 ENGINEERING DIVISION  
 PEACH BOTTOM ATOMIC POWER STATION  
 TELEPHONE (717) 456-3412

## OPERATING STATUS

1. UNIT NAME:	PEACH BOTTOM UNIT 3
2. REPORTING PERIOD:	NOVEMBER, 1998
3. DESIGN ELECTRICAL RATING (NET MWE):	1119
4. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE):	1159
5. MAXIMUM DEPENDABLE CAPACITY (NET MWE):	1093

	THIS MONTH	YR-TO-DATE	CUMULATIVE
6. NUMBER OF HOURS REACTOR WAS CRITICAL	695.6	7,611.1	145,564.9
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	682.1	7,546.1	141,890.3
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	706,851	8,146,859	135,151,981

# UNIT SHUTDOWNS

DOCKET NO. 50 - 278  
 UNIT NAME PEACH BOTTOM UNIT 3  
 DATE DECEMBER 7, 1998  
 COMPLETED BY PECO ENERGY COMPANY  
 D. M. KILGORE  
 PLANT ENGINEERING  
 ENGINEERING DIVISION  
 PEACH BOTTOM ATOMIC POWER STATION  
 TELEPHONE (717) 456-3412

REPORT MONTH NOVEMBER, 1998

NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
1	981127	S	37.9	A	2	REACTOR POWER WAS REDUCED TO 0% TO ALLOW INSTRUMENT NITROGEN SUPPLY LINE REPAIR
			TOTAL HOURS			37.9

(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)