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Peach Bottom Atomic Power Station
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Exelon Nuclear

February 4, 2002

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 January 2002 forwarded pursuant to Technical Specification 5.6.4 under the guidance of Regulatory Guide 10.1, Revision 4.

Sincerely,

Paul J. Davison
Director, Site Engineering
Peach Bottom Atomic Power Station

PJD/PRR/CSL:cmg
CSL

Enclosures

cc:
H. J. Miller, Administrator, Region I, USNRC
A.C. McMurtray, USNRC, Senior Resident Inspector, PBAPS

ccn 02-14009

IE24

Bcc:

PSEG, Financial Controls and Co-Owner Affairs	
R. I. McLean, State of Maryland	
A. F. Kirby, III, Atlantic City Electric Company	
R. R. Janati, Commonwealth of Pennsylvania	
C. P. Lewis	KSB 3-2
J. J. Hagan	KSA 3-N
J. Benjamin	Cantera
J. Doering	PB, SMB 4-9
G. L. Johnston	PB, A4-1S
P. J. Davison	PB, SMB 3-2A
J. P. Grimes	KSA 2-N
P. B. Chabot	KSA 3-N
R. A. Kankus	KSB 3-S
A. A. Winter	PB, A4-5S
D. P. Helker	KSA 3-E
E. J. Cullen	KSB 3-W
S. P. Focht, P. E.	ANI
S. Mangi	PA DER
C. J. McDermott	KSB 3-S
C. M. Gross	PB, SMB 2-9
INPO Records Center	
PBAPS Nuclear Oversight Manager	PB, SMB 4-6
Commitment Coordinator	KSA 3-E
Site Commitment Coordinator	PB, A4-5S
Correspondence Control Desk	KSA 1-N-1
DAC	KSA 1-N-1

Peach Bottom Atomic Power Station
Unit 2
January 1 through January 31, 2002

Narrative Summary of Operating Experiences

Unit 2 began the month of January at 100% power.

At 2310, on January 9th, Unit 2 reduced power to 94% for a planned change out of the HCU accumulators. The Unit returned to 100% power by 0054 on January 10th.

At 2304 on January 11th, Unit 2 reduced power to 54% for a planned control rod sequence exchange. The Unit returned to 100% power by 0553 on January 13th.

At 2310 on January 15th, Unit 2 reduced power to 90% for a planned follow-up rod pattern adjustment. The Unit returned to 100% power by 0026 on January 16th.

At 0745 on January 19th, Unit 2 reduced power to 99% for a planned PMS computer system outage and mod acceptance testing. The Unit returned to 100% power by 0005 on January 20th.

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

Peach Bottom Atomic Power Station
Unit 3
January 1 through January 31, 2002

Narrative Summary of Operating Experiences

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

At 0109 on January 13th, Unit 3 reduced power to 21% due to high resistance in the generator potential transformer circuit. The turbine generator was taken off line during this evolution, at 1142 on January 13th. Following repairs, the Unit was synchronized to the grid at 0717 on January 14th. The Unit returned to 100% power by 0651 on January 15th.

At 0130 on January 16th, Unit 3 reduced power to 84% for a follow-up rod pattern adjustment. The Unit returned to 100% power by 0414 on January 16th.

At 1032 on January 24th, Unit 3 reduced power to 74% following a runback signal from the 3A recirc pump. After troubleshooting and repairs were completed, the Unit returned to 100% power by 0542 on January 25th.

Unit 3 ended the month of January at 100% power.

UNIT 2 REFUELING INFORMATION

1. Name of facility:

   Peach Bottom Unit 2

2. Scheduled date for next refueling shutdown:

   Reload 14 is scheduled for September 10, 2002.

3. Scheduled date for restart following refueling:

   Restart following refueling forecast for September 30, 2002.

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?

   a. Potential Cycle 15 Safety Limit MCPR Change.
   b. Risk Based ISI Initiative

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

   a. Submittal anticipated July, 2002.
   b. Submittal anticipated March, 2002

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 2R14 reload will consist of approximately 284 GE-14 bundles. This will be the second reload of GE-14 fuel.

UNIT 2 REFUELING INFORMATION (Continued)

7. The number of fuel assemblies (a) in the core, (b) in the spent fuel storage pool and (c) dry storage.

   (a) Core - 764 Fuel Assemblies
   (b) Fuel Pool - 3032 Fuel Assemblies, 52 Fuel Rods
   (c) Interim Spent Fuel Storage Installation - 272 fuel assemblies

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:

   A full core discharge surplus of 23 licensed rack locations will remain available until the summer 2002 dry cask storage campaign. Based on projected dry cask storage schedules and reload batch sizes, a surplus of not less than 87 licensed rack locations will be available from that time, through end of plant life.

UNIT 3 REFUELING INFORMATION

1. Name of facility:

   Peach Bottom Unit 3

2. Scheduled date for next refueling shutdown:

   Reload 14 is scheduled for September 22, 2003.

3. Scheduled date for restart following refueling

   Restart following refueling forecast for October 7, 2003.

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.

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 3R14 reload will consist of approximately 284 GE-14 bundles. This will be the second reload of GE-14 fuel.

7. The number of fuel assemblies (a) in the core, (b) in the spent fuel storage pool and (c) dry storage.

   (a) Core - 764 Fuel Assemblies
   (b) Fuel Pool – 2997 Fuel Assemblies, 16 Fuel Rods
   (c) Interim Spent Fuel Storage Installation – 340 fuel assemblies

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:

A full core discharge surplus of 38 accessible licensed rack locations are available. Based on projected dry cask storage schedules and reload batch sizes, a surplus of not less than 74 licensed rack locations will be available starting with 3R14 (2003), running through the end of plant life.

OPERATING DATA REPORT

DOCKET NO. 50 - 277
DATE FEBRUARY 4, 2002
COMPLETED BY EXELON
C. S. LEWIS
PLANT ENGINEERING
ENGINEERING DIVISION
PEACH BOTTOM ATOMIC POWER STATION
TELEPHONE (717) 456-3245

OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 2
2. REPORTING PERIOD JANUARY, 2002
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	744.0	744.0	173,827.6
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	744.0	744.0	169,474.8
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MW	826,905	826,905	165,873,738

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 277

DATE FEBRUARY 4, 2002

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	100.0 %	100.0 %	70.1 %
12. UNIT AVAILABILITY FACTOR	100.0 %	100.0 %	70.1 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	101.7 %	101.7 %	64.3 %
14. UNIT CAPACITY FACTOR (USING DER NET)	99.3 %	99.3 %	63.2 %
15. UNIT FORCED OUTAGE RATE	.0 %	.0 %	10.0 %

16. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH):
(717) 456-4248

17. IF SHUTDOWN AT THE END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: (717) 456-4248

18. 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

DOCKET NO. 50 - 277
UNIT NAME PEACH BOTTOM UNIT 2
DATE FEBRUARY 4, 2002
COMPLETED BY EXELON
C. S. LEWIS
PLANT ENGINEERING
ENGINEERING DIVISION
PEACH BOTTOM ATOMIC POWER STATIO
TELEPHONE (717) 456-3245

REPORT MONTH JANUARY, 2002

NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE

TOTAL HOURS

(1)

F - FORCED
S - SCHEDULED

(2)

REASON
A - EQUIPMENT FAILURE (EXPLAIN
B - MAINTENANCE OR TEST
C - REFUELING
D - REGULATORY RESTRICTION
E - OPERATOR TRAINING + LICENSE EXAMINATIO
F - ADMINISTRATIVE
G - OPERATIONAL ERROR (EXPLAIN
H - OTHER (EXPLAIN)

(3)

METHOD
1 - MANUAL
2 - MANUAL SCRA
3 - AUTOMATIC SCRAM
4 - OTHER (EXPLAIN)

OPERATING DATA REPORT

DOCKET NO. 50 - 278
DATE FEBRUARY 4, 2002
COMPLETED BY EXELON
C. S. LEWIS
PLANT ENGINEERING
ENGINEERING DIVISION
PEACH BOTTOM ATOMIC POWER STATION
TELEPHONE (717) 456-3245

OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 3
2. REPORTING PERIOD JANUARY, 2002
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	744.0	744.0	172,123.5
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	744.0	744.0	168,237.3
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MW	784,191	784,191	163,252,773

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 278

DATE FEBRUARY 4, 2002

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. UNIT SERVICE FACTOR	100.0 %	100.0 %	70.8 %
12. UNIT AVAILABILITY FACTOR	100.0 %	100.0 %	70.8 %
13. UNIT CAPACITY FACTOR (USING MDC NET)	96.4 %	96.4 %	65.2 %
14. UNIT CAPACITY FACTOR (USING DER NET)	94.2 %	94.2 %	63.5 %
15. UNIT FORCED OUTAGE RATE	.0 %	.0 %	8.7 %

16. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH):
(717) 456-4248

17. IF SHUTDOWN AT THE END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: (717) 456-4248

18. 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

DOCKET NO. 50 - 278
UNIT NAME PEACH BOTTOM UNIT 3
DATE FEBRUARY 4, 2002
COMPLETED BY EXELON
C. S. LEWIS
PLANT ENGINEERING
ENGINEERING DIVISION
PEACH BOTTOM ATOMIC POWER STATIO
TELEPHONE (717) 456-3245

REPORT MONTH JANUARY, 2002

NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE

TOTAL HOURS

(1)

F - FORCED
S - SCHEDULED

(2)

REASON
A - EQUIPMENT FAILURE (EXPLAIN
B - MAINTENANCE OR TEST
C - REFUELING
D - REGULATORY RESTRICTION
E - OPERATOR TRAINING + LICENSE EXAMINATIO
F - ADMINISTRATIVE
G - OPERATIONAL ERROR (EXPLAIN
H - OTHER (EXPLAIN)

(3)

METHOD
1 - MANUAL
2 - MANUAL SCRA
3 - AUTOMATIC SCRAM
4 - OTHER (EXPLAIN)