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Peach Bottom Atomic Power Station
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Nuclear

January 4, 2005

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

Docket Nos. 50-277 and 50-278

Subject: Monthly Operating Report for December 2004

In accordance with Technical Specifications, Section 5.6.4, "Monthly Operating Reports," we are submitting this Monthly Operating Report for Peach Bottom Atomic Power Station, Units 2 and 3.

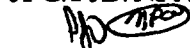
Should you have any questions concerning this letter, please contact Mr. Bradley Deihl at (717) 456-3623.

Respectfully,



Joseph P. Grimes
Plant Manager
Peach Bottom Atomic Power Station

JPG/PJD/NPA/BRD:cmg *BRD*



Enclosures

cc:

S. Collins, Administrator, Region I, USNRC
G. F. Wunder, Project Manager, USNRC
U. S. NRC Senior Resident, PBAPS

Ccn 05-14006

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I. INTRODUCTION

Peach Bottom Atomic Power Station is composed of two Boiling Water Reactors and Steam Turbine/Generators located in Delta, Pennsylvania. Unit Two and Unit Three both have a Maximum Dependable Capacity of 1112 MWe Net. The Station is jointly owned by Exelon Nuclear and Public Service Electric and Gas. The Nuclear Steam Supply Systems are General Electric Company Boiling Water Reactors. The Architect/Engineer and Primary Construction Contractor was Bechtel Corporation. The Susquehanna River is the condenser cooling water source. The plant is subject to license numbers DPR-44 and DPR-56, issued October 25, 1973, and July 2, 1974, for Unit Two and Unit Three respectively, pursuant to Docket Numbers 50-277 and 50-278. The dates of initial Reactor criticality for Units Two and Three were September 16, 1973, and August 7, 1974, respectively. Commercial generation of power began on February 18, 1974, for Unit Two, and September 1, 1974, for Unit Three.

II. SUMMARY OF OPERATING EXPERIENCE

A. Unit TWO

Unit 2 began the month of December at 100% of maximum allowable power (3514 MWth).

At 23:00 on December 11th, Unit 2 reduced power to 92%, for planned turbine stop valve testing. Following completion of the tests, the Unit returned to full power by 03:48 on December 12th.

At 11:20 on December 13th, Unit 2 reduced power to 64.9%, due to a recirc pump runback from a failed static inverter. Following repairs, the Unit returned to full power by 03:20 on December 16th.

At 22:00 on December 16th, Unit 2 reduced power to 68% for a rod pattern adjustment from the December 13th recirc runback. The Unit returned to full power by 18:09 on December 17th.

At 04:55 on December 22nd, Unit 2 automatically scrammed due to an EHC card failure. Following repairs, the Unit returned to 88.4% power by 20:58 on December 28th.

At 20:58 on December 28th, Unit 2 reduced power to 62.5% due to a 2A Condensate pump trip.

Unit 2 ended the month of December at 84.1% of maximum allowable power (3514 MWth).

B. Unit THREE

Unit 3 began the month of December at 100% of maximum allowable power (3514 MWth).

Unit 3 remained at 100% of maximum allowable power (3514 MWth) for the remainder of the month.

Unit 3 ended the month of December at 100% of maximum allowable power (3514 MWth).

III. OPERATING DATA STATISTICS

A. Peach Bottom Unit TWO Operating Data Report for November 2004

DOCKET NO.: 50-277
DATE: January 4, 2005
COMPLETED BY: Brad Deihl
TELEPHONE: (717) 456-3623

OPERATING STATUS

	REPORTING PERIOD:	December 2004
	GROSS HOURS IN REPORTING PERIOD:	744
	CURRENTLY AUTHORIZED POWER LEVEL (MWth):	3514
1.	DESIGN ELECTRICAL RATING (MWe-Net):	1138
2.	MAX. DEPENDABLE CAPACITY (MWe-Net):	1112

UNIT 2 OPERATING STATUS

	<u>PARAMETER</u>	<u>THIS MONTH</u>	<u>YTD</u>	<u>CUMULATIVE</u>
3.	NUMBER OF HOURS THE REACTOR WAS CRITICAL	706.1	8,145.9	197,912.4
4.	HOURS GENERATOR ON-LINE	689.0	8,069.9	193,383.8
5.	UNIT RESERVE SHUTDOWN HOURS	0	0	0
6.	NET ELECTRICAL ENERGY GENERATED	717,947.4	8,886,064.3	192,037,602.4

III. OPERATING DATA STATISTICS

B. Peach Bottom Unit THREE Operating Data Report for November 2004

DOCKET NO.: 50-278
DATE: January 4, 2005
COMPLETED BY: Brad Deihl
TELEPHONE: (717) 456-3623

OPERATING STATUS

	REPORTING PERIOD:	December 2004
	GROSS HOURS IN REPORTING PERIOD:	744
	CURRENTLY AUTHORIZED POWER LEVEL (MWth):	3514
1.	DESIGN ELECTRICAL RATING (MWe-Net):	1138
2.	MAX. DEPENDABLE CAPACITY (MWe-Net):	1112

UNIT 3 OPERATING STATUS

	<u>PARAMETER</u>	<u>THIS MONTH</u>	<u>YTD</u>	<u>CUMULATIVE</u>
3.	NUMBER OF HOURS THE REACTOR WAS CRITICAL	744.0	8,784.0	197,054.4
4.	HOURS GENERATOR ON-LINE	744.0	8,784.0	193,108.9
5.	UNIT RESERVE SHUTDOWN HOURS	0	0	0
6.	NET ELECTRICAL ENERGY GENERATED	852,480.4	9,989,096.3	191,042,861.4

IV. OPERATING DATA STATISTICS

A. Unit TWO Shutdowns for December 2004

<u>No. for Year</u>	<u>Date</u>	<u>Type (1)</u>	<u>Duration (Hours)</u>	<u>Reason (2)</u>	<u>Method of Shutting Down (3)</u>	<u>Corrective Actions/Comments</u>
02	12/22/04	F	55.15	A	3	

Unit 2 automatically scrambled on December 22nd due to an EHC card failure. Reference CR # 285024. An EHC pressure set point circuit card failed initiating the U/2 Reactor Scram due to a steady lowering of the Reactor Pressure Set point.

B. Unit THREE Shutdowns for December 2004

<u>No. for Year</u>	<u>Date</u>	<u>Type (1)</u>	<u>Duration (Hours)</u>	<u>Reason (2)</u>	<u>Method of Shutting Down (3)</u>	<u>Corrective Actions/Comments</u>
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No Unit THREE shutdowns for December 2004

Legend

(1) Type:

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 of Shutting Down:

1. – Manual
2. – Manual Trip/Scram
3. – Automatic Trip/Scram
4. – Continuation
5. – Other (Explain)