

Exelon Nuclear
Peach Bottom Atomic Power Station
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February 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 January 2005

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


Enclosures

cc:

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

CCN 05-14014

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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 January at 84.2% of maximum allowable power (3514 MWth). The Unit returned to full power by 13:58 on January 1st.

At 09:33 on January 2nd, Unit 2 reduced power to 62.5% for a rod pattern adjustment from the December 28, 2004 2A condensate pump trip. The Unit returned to full power by 18:02 on January 3rd.

At 23:26 on January 4th, Unit 2 reduced power to 66.7% for planned turbine stop valve testing. Following completion of the tests, the Unit returned to full power by 03:45 on January 6th.

At 22:47 on January 9th, Unit 2 reduced power to 99% due to unexpected change in core flow (unexpected change in recirc pump speed). The Unit returned to full power by 11:56 on January 10th.

At 00:00 on January 22nd, Unit 2 reduced power to 78.2% due to lowering intake canal level and lower condenser vacuum due to icing at the outer intake structure. The Unit returned to full power by 20:55 on January 22nd.

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

Correction to the December report: The December report identified a load reduction at 20:58 on December 28th Unit 2 reduced power to 62.5% due to a 2A Condensate Pump trip. This event should have read as follows; at 20:58 on December 28th Unit 2 reduced power to 71.1% due to a 2A Condensate Pump trip.

II. SUMMARY OF OPERATING EXPERIENCE

B. Unit THREE

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

At 22:03 on January 11th, Unit 3 reduced load to 95.3% for planned HCU Maintenance. Following completion of the HCU maintenance the Unit returned to full power by 23:30 on January 11th.

At 23:00 on January 14th, Unit 3 reduced load to 47.6% for a planned rod sequence exchange. Following completion of the rod sequence exchange the Unit returned to full power by 19:15 on January 15th.

At 23:16 on January 16th, Unit 3 reduced load to 83.7% for a planned final rod pattern adjustment. Following completion of the rod pattern adjustment the Unit returned to full power by 01:32 on January 17th.

At 21:36 on January 23rd, Unit 3 reduced load to 93% due to lowering intake canal level and lower condenser vacuum due to icing at the outer intake structure. The Unit returned to full power by 10:29 on January 24th.

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

III. OPERATING DATA STATISTICS

A. Peach Bottom Unit TWO Operating Data Report for January 2005

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

OPERATING STATUS

REPORTING PERIOD:	January 2005
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	744.0	744.0	198,656.4
4.	HOURS GENERATOR ON-LINE	744.0	744.0	194,127.8
5.	UNIT RESERVE SHUTDOWN HOURS	0	0	0
6.	NET ELECTRICAL ENERGY GENERATED	837,953.2	837,953.2	192,875,555.6

III. OPERATING DATA STATISTICS

B. Peach Bottom Unit THREE Operating Data Report for January 2005

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

OPERATING STATUS

REPORTING PERIOD:	January 2005
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	744.0	197,798.4
4.	HOURS GENERATOR ON-LINE	744.0	744.0	193,852.9
5.	UNIT RESERVE SHUTDOWN HOURS	0	0	0
6.	NET ELECTRICAL ENERGY GENERATED	842,437.2	842,437.2	191,885,298.6

IV. OPERATING DATA STATISTICS

A. Unit TWO Shutdowns for January 2005

<u>No. for</u> <u>Year</u>	<u>Date</u>	<u>Type</u> <u>(1)</u>	<u>Duration</u> <u>(Hours)</u>	<u>Reason</u> <u>(2)</u>	<u>Method of</u> <u>Shutting</u> <u>Down (3)</u>	<u>Corrective Actions/Comments</u>
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No Unit TWO shutdowns for January 2005

B. Unit THREE Shutdowns for January 2005

<u>No. for</u> <u>Year</u>	<u>Date</u>	<u>Type</u> <u>(1)</u>	<u>Duration</u> <u>(Hours)</u>	<u>Reason</u> <u>(2)</u>	<u>Method of</u> <u>Shutting</u> <u>Down (3)</u>	<u>Corrective Actions/Comments</u>
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No Unit THREE shutdowns for January 2005

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)