

Exelon Nuclear
Peach Bottom Atomic Power Station
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April 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 March 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

CMG *BRD*

Enclosures

cc:

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

ccn 05-14047

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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 March at 100.0% of maximum allowable power (3514 MWth).

At 11:15 on March 5th, Unit 2 commenced power reduction for planned turbine valve testing. Following completion of the tests the Unit returned to full power by 00:21 on March 6th.

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

B. Unit THREE

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

At 23:00 on March 23rd, Unit 3 reduced load to 84.6% for a planned rod pattern adjustment. Following the rod pattern adjustment the Unit returned to full power by 02:05 on March 13th.

At 23:06 on March 24th, Unit 3 commenced a load reduction to a minimum of 55.1% (3/25/05 @ 20:02) for power suppression testing. Following power suppression testing the Unit returned to full power by 03:26 on March 30th.

At 23:00 on March 30th, Unit 3 reduced load to 69% for a follow up rod pattern adjustment for the power suppression testing.

Unit 3 ended the month of March at 98.4% of maximum allowable power (3514 MWth).

III. OPERATING DATA STATISTICS

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

DOCKET NO.: 50-277
DATE: April 1, 2005
COMPLETED BY: Brad Deihl
TELEPHONE: (717) 456-3623

OPERATING STATUS

REPORTING PERIOD:	March 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	2,108.9	200,021.3
4.	HOURS GENERATOR ON-LINE	744.0	2,097.0	195,480.9
5.	UNIT RESERVE SHUTDOWN HOURS	0	0	0
6.	NET ELECTRICAL ENERGY GENERATED	856,765.6	2,358,216.4	194,395,818.8

III. OPERATING DATA STATISTICS

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

DOCKET NO.: 50-278
DATE: April 1, 2005
COMPLETED BY: Brad Deihl
TELEPHONE: (717) 456-3623

OPERATING STATUS

REPORTING PERIOD:	March 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	2,160.0	199,214.4
4.	HOURS GENERATOR ON-LINE	744.0	2,160.0	195,269.0
5.	UNIT RESERVE SHUTDOWN HOURS	0	0	0
6.	NET ELECTRICAL ENERGY GENERATED	795,603.6	2,378,837.4	193,421,698.8

IV. OPERATING DATA STATISTICS

A. Unit TWO Shutdowns for March 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 March 2005

B. Unit THREE Shutdowns for March 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 March 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)