

Exelon Nuclear
Peach Bottom Atomic Power Station
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May 3, 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 April 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 05-14061

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

At 23:12 on April 2nd, Unit 2 commenced power reduction for a planned turbine valve testing. Following completion of the tests the Unit returned to full power by 01:42 on April 3rd.

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

B. Unit THREE

Unit 3 began the month of April at 98.4% of maximum allowable power (3514 MWth) due to power ascension following power suppression testing in March. The Unit returned to full power by 01:26 on the 1st of April.

Unit 3 did not have any load reductions for the month of April.

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

III. OPERATING DATA STATISTICS

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

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

OPERATING STATUS

REPORTING PERIOD:	April 2005
GROSS HOURS IN REPORTING PERIOD:	719
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	719.0	2,827.9	200,740.3
4.	HOURS GENERATOR ON-LINE	719.0	2,816.0	196,199.9
5.	UNIT RESERVE SHUTDOWN HOURS	0	0	0
6.	NET ELECTRICAL ENERGY GENERATED	825,250.2	3,183,466.6	195,221,069.0

III. OPERATING DATA STATISTICS

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

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

OPERATING STATUS

REPORTING PERIOD:	April 2005
GROSS HOURS IN REPORTING PERIOD:	719
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	719.0	2,879.0	199,933.4
4. HOURS GENERATOR ON-LINE	719.0	2,879.0	195,988.0
5. UNIT RESERVE SHUTDOWN HOURS	0	0	0
6. NET ELECTRICAL ENERGY GENERATED	814,926.2	3,193,763.6	194,236,625.0

IV. OPERATING DATA STATISTICS

A. Unit TWO Shutdowns for April 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 April 2005

B. Unit THREE Shutdowns for April 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 April 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)