

Exelon Nuclear
Peach Bottom Atomic Power Station
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June 8, 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 May 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

PJD *APD* *BRD*

Enclosures

cc:

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

CCN 05-14068

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

At 23:10 on May 4th, Unit 2 commenced power reduction for planned HCU Maintenance. Following completion of the maintenance the Unit returned to full power by 02:15 on May 5th.

At 23:33 on May 6th Unit 2 commenced a power reduction for the following planned events; Rod Pattern Adjustment, Condensate Pump Motor Replacement, and waterbox cleaning. Following completion of these activities the Unit returned to full power by 00:21 on May 10th.

At 22:36 on May 11th Unit 2 commenced power reduction for planned Final Rod Pattern Adjustment. The Unit returned to full power by 21:27 on May 12th.

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

B. Unit THREE

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

At 23:00 on May 13th Unit 3 commenced power reduction for planned Rod Pattern Adjustment and waterbox cleaning. Following completion of these activities the Unit returned to full power by 07:07 on May 15th.

At 23:35 on May 16th Unit 3 commenced power reduction for planned Final Rod Pattern Adjustment. The Unit returned to full power by 11:39 on May 17th.

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

III. OPERATING DATA STATISTICS

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

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

OPERATING STATUS

| | |
|--|----------|
| REPORTING PERIOD: | May 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 | 3,571.9 | 201,484.3 |
| 4. HOURS GENERATOR ON-LINE | 744.0 | 3,560.0 | 196,943.9 |
| 5. UNIT RESERVE SHUTDOWN HOURS | 0 | 0 | 0 |
| 6. NET ELECTRICAL ENERGY GENERATED | 827,340.4 | 4,010,807.0 | 196,048,409.4 |

III. OPERATING DATA STATISTICS

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

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

OPERATING STATUS

| | |
|--|----------|
| REPORTING PERIOD: | May 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 | 3,623.0 | 200,677.4 |
| 4. HOURS GENERATOR ON-LINE | 744.0 | 3,623.0 | 196,732.0 |
| 5. UNIT RESERVE SHUTDOWN HOURS | 0 | 0 | 0 |
| 6. NET ELECTRICAL ENERGY GENERATED | 828,302.4 | 4,022,066.0 | 195,064,927.4 |

IV. OPERATING DATA STATISTICS

A. Unit TWO Shutdowns for May 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> |
|-------------------------------|-------------|---------------------------|-----------------------------------|-----------------------------|--|------------------------------------|
|-------------------------------|-------------|---------------------------|-----------------------------------|-----------------------------|--|------------------------------------|

No Unit TWO shutdowns for May 2005

B. Unit THREE Shutdowns for May 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> |
|-------------------------------|-------------|---------------------------|-----------------------------------|-----------------------------|--|------------------------------------|
|-------------------------------|-------------|---------------------------|-----------------------------------|-----------------------------|--|------------------------------------|

No Unit THREE shutdowns for May 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)