

Exelon Nuclear
Peach Bottom Atomic Power Station
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March 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 February 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
JP SA & BRD

Enclosures

cc:

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

ccn 05-14035

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

At 21:05 on February 1st, Unit 2 commenced power reduction for a planned normal plant shutdown to replace SRV 071D. The reactor was manually scrammed at 05:17 on February 2nd. The reactor was critical at 08:23 on February 4th and the main generator synchronized to the grid at 19:56 on February 4th. The Unit returned to full power at 21:30 on February 6th.

At 23:24 on February 7th, Unit 2 reduced power to 59.2% for planned rod pattern adjustment and turbine stop valve testing. Following completion of the tests, the Unit returned to full power by 10:17 on February 9th.

At 20:33 on February 13th, Unit 2 reduced power to 71% for planned final rod pattern adjustment. The Unit returned to full power by 17:00 on February 14th.

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

B. Unit THREE

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

At 16:32 on February 10th, Unit 3 reduced load to repair the A Recirc Pump EOC RPT BKR. The minimum load during the load reduction was 32% on February 11th. Following completion of the EOC RPT BKR repair the Unit returned to full power by 07:24 on February 12th.

At 02:30 on February 13th, Unit 3 reduced load to 69% for a rod pattern adjustment following the A Recirc Pump EOC RPT BKR replacement. Following completion of the rod pattern adjustment the Unit returned to full power by 08:23 on February 13th.

At 09:34 on February 17th, Unit 3 reduced load to 98.7% due to loss of Core Thermal Power Calculation. Following restoration of the Core Thermal Power Calculation the Unit returned to full power by 14:42 on February 17th.

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

III. OPERATING DATA STATISTICS

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

DOCKET NO.: 50-277
DATE: March 3, 2005
COMPLETED BY: Brad Deihl
TELEPHONE: (717) 456-3623

OPERATING STATUS

REPORTING PERIOD:	February 2005
GROSS HOURS IN REPORTING PERIOD:	672
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	620.9	1,364.9	199,277.3
4.	HOURS GENERATOR ON-LINE	609.0	1,353.0	194,736.9
5.	UNIT RESERVE SHUTDOWN HOURS	0	0	0
6.	NET ELECTRICAL ENERGY GENERATED	663,497.6	1,501,450.8	193,539,053.2

III. OPERATING DATA STATISTICS

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

DOCKET NO.: 50-278
DATE: March 3, 2005
COMPLETED BY: Brad Deihl
TELEPHONE: (717) 456-3623

OPERATING STATUS

REPORTING PERIOD:	February 2005
GROSS HOURS IN REPORTING PERIOD:	672
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	672.0	1,416.0	198,470.4
4.	HOURS GENERATOR ON-LINE	672.0	1,416.0	194,525.0
5.	UNIT RESERVE SHUTDOWN HOURS	0	0	0
6.	NET ELECTRICAL ENERGY GENERATED	740,796.6	1,583,233.8	192,626,095.2

IV. OPERATING DATA STATISTICS

A. Unit TWO Shutdowns for February 2005

<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>
1	2/2/2005	S	63.0	B	2	

Planned normal shutdown for
maintenance to replace SRV
71D ("D" safety relief valve).

B. Unit THREE Shutdowns for February 2005

<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 February 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)