

Exelon Nuclear
Peach Bottom Atomic Power Station
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October 1, 2004

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

Docket Nos. 50-277 and 50-278

Subject: Monthly Operating Report for September 2004

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. Chester Lewis at (717) 456-3245.

Respectfully,



Joseph P. Grimes
Plant Manager
Peach Bottom Atomic Power Station

JPG/PJD/NPA/CSL:cmg

 CSL
Enclosures

cc:

S. Collins, Administrator, Region I, USNRC
C. Smith, USNRC, Senior Resident Inspector, PBAPS
G. F. Wunder, Project Manager, USNRC

ccn 04-14081



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 September at 100% of maximum allowable power (3496 MWth).

At 0802 on September 14th, Unit 2 began a planned power reduction in preparation for the 2R15 refueling outage.

At 1500 on September 14th, Unit 2's generator was taken off-line.

At 1517 on September 14th, the Unit was manually shut down.

Unit 2 ended the month of September at 0% power, in the 2R15 refueling outage.

B. Unit THREE

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

At 2306 on September 10th, Unit 3 reduced power to 49%, in a planned load reduction for a rod sequence exchange, scram time testing and control rod speed adjustment. The Unit returned to full power by 1605 on September 11th.

At 2305 on September 12th, Unit 3 reduced power to 88%, for planned follow-up rod pattern adjustment. The Unit returned to full power by 0201 on September 13th.

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

III. OPERATING DATA STATISTICS

A. Peach Bottom Unit TWO Operating Data Report for September 2004

DOCKET NO.: 50-277
DATE: October 1, 2004
COMPLETED BY: Chip Lewis
TELEPHONE: (717) 456-3245

OPERATING STATUS

REPORTING PERIOD:	September 2004
GROSS HOURS IN REPORTING PERIOD:	720
CURRENTLY AUTHORIZED POWER LEVEL (MWth):	3496
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	327.3	6,125.4	195,891.9
4. HOURS GENERATOR ON-LINE	327.0	6,106.0	191,419.9
5. UNIT RESERVE SHUTDOWN HOURS	0	0	0
6. NET ELECTRICAL ENERGY GENERATED	347,580.7	6,789,748.1	189,941,286.2

III. OPERATING DATA STATISTICS

B. Peach Bottom Unit THREE Operating Data Report for September 2004

DOCKET NO.: 50-278
DATE: October 1, 2004
COMPLETED BY: Chip Lewis
TELEPHONE: (717) 456-3245

OPERATING STATUS

REPORTING PERIOD:	September 2004
GROSS HOURS IN REPORTING PERIOD:	720
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	720.0	6,575.0	194,845.4
4. HOURS GENERATOR ON-LINE	720.0	6,575.0	190,900.0
5. UNIT RESERVE SHUTDOWN HOURS	0	0	0
6. NET ELECTRICAL ENERGY GENERATED	810,894.7	7,462,725.1	188,516,490.2

IV. OPERATING DATA STATISTICS

A. Unit TWO Shutdowns for September 2004

<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>
PB2R15	9/14/04	S	392.7	C	1	Planned refueling outage. Will continue into October.

B. Unit THREE Shutdowns for September 2004

<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 September 2004

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)