

Exelon Nuclear
Peach Bottom Atomic Power Station
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U.S. Nuclear Regulatory Commission
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Washington, D.C. 20555

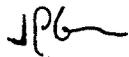
Docket Nos. 50-277 and 50-278

Subject: Monthly Operating Report for October 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


Enclosures

cc:

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

Ccn 04-14090

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 October at 0% power, in the 2R15 refueling outage.

At 0636 on October 7th, Unit 2 was declared critical, following the successful completion of the 2R15 refueling outage.

At 0315 on October 9th, Unit 2's generator was synchronized with the grid.

At approx. 2100 on October 10th, during power ascension out of 2R15, Unit 2 reduced power to 81%, due to a lube oil leak on the "C" reactor feedpump. The "C" feedpump was taken out of service, and the Unit returned to approx. 93% power, which is the maximum allowable with only two out of three feedpumps in service.

During the period when the Unit was operating with two out of three feedpumps in service, at approx. 2303 on October 11th, the Unit reduced power to 76%, for a planned rod pattern adjustment, to set the final rod pattern. The Unit returned to 93% power by 0155 on October 12th.

At 0120 on October 13th, following completion of repairs to the "C" reactor feedpump, the Unit reduced power from 93% to 80%, in order to bring the "C" feedpump back in service. With the "C" feedpump in service, the Unit reached 98.4% (3458 MWth) power by 0817 on October 13th.

At 1155 on October 14th, Unit 2 reached its maximum core thermal power of 3514 MWth, with the commissioning of the Caldon LEFM feedwater flow measurement system.

At 1330 on October 16th, Unit 2 reduced power to 89%, in response to a high oil level alarm in the 2B reactor recirculation pump. Following repairs, the Unit reached full power (3514 MWth) by 0111 on October 18th.

At 2300 on October 21st, Unit 2 reduced power to 57%, for power suppression testing, following the determination that chemistry parameters indicated the existence of a leaking fuel assembly. After the leaking assembly was blocked, the Unit returned to full power by 1425 on October 26th.

At 2300 on October 27th, Unit 2 reduced power to 79%, for a planned follow-up rod pattern adjustment. The Unit returned to full power by 1626 on October 28th.

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

B. Unit THREE

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

Unit 3 remained at 100% power for the entire month of October.

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

II. OPERATING DATA STATISTICS

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

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

OPERATING STATUS

REPORTING PERIOD:	October 2004
GROSS HOURS IN REPORTING PERIOD:	745
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	594.4	6,719.8	196,486.3
4. HOURS GENERATOR ON-LINE	553.9	6,660.9	191,974.8
5. UNIT RESERVE SHUTDOWN HOURS	0	0	0
6. NET ELECTRICAL ENERGY GENERATED	551,292.9	7,341,041.0	190,492,579.1

III. OPERATING DATA STATISTICS

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

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

OPERATING STATUS

REPORTING PERIOD:	October 2004
GROSS HOURS IN REPORTING PERIOD:	745
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>THIS MONTH</u>	<u>YTD</u>	<u>CUMULATIVE</u>
3. NUMBER OF HOURS THE REACTOR WAS CRITICAL	745.0	7,320.0	195,590.4
4. HOURS GENERATOR ON-LINE	745.0	7,320.0	191,645.0
5. UNIT RESERVE SHUTDOWN HOURS	0	0	0
6. NET ELECTRICAL ENERGY GENERATED	850,281.9	8,313,007.0	189,366,772.1

IV. OPERATING DATA STATISTICS

A. Unit TWO Shutdowns for October 2004

No. for <u>Year</u>	<u>Date</u>	Type (1)	Duration (Hours)	Reason (2)	Method of Shutting Down (3)	<u>Corrective Actions/Comments</u>
PB2R15	9/14/04	S	543.3	C	1	Planned refueling outage. Continued from September.

B. Unit THREE Shutdowns for October 2004

No. for <u>Year</u>	<u>Date</u>	Type (1)	Duration (Hours)	Reason (2)	Method of Shutting Down (3)	<u>Corrective Actions/Comments</u>
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No Unit THREE shutdowns for October 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)