Exelon Nuclear
Peach Bottom Atomic Power Station
1848 Lay Road
Delta, PA 17314-9032

Telephone 717.456.7014
www.exeloncorp.com

Exelon SM
Nuclear

April 2, 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 March 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,

John A. Stone
Plant Manager
Peach Bottom Atomic Power Station

JAS/PJD/PRR/CSL:cmg
PJD PRR CSL
Enclosures

cc:
H. J. Miller, Administrator, Region I, USNRC
C. Smith, USNRC, Senior Resident Inspector, PBAPS

CCN 04-14039

IE24

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

At 2300 on March 1st, Unit 2 reduced power to 79%, for the final follow-up rod pattern adjustment after the February 22nd scram. The Unit returned to maximum allowable power by 1816 on March 2nd.

At 2300 on March 20th, Unit 2 reduced power to 82%, for a planned rod pattern adjustment, as well as planned turbine stop and control valve testing. The Unit returned to maximum allowable power by 1527 on March 21st.

Unit 2 ended the month of March at 100% of maximum allowable power (3496 MWth).

B. Unit THREE

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

Unit 3 operated at 100% of maximum allowable power for the entire month of March.

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

III. OPERATING DATA STATISTICS

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

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

OPERATING STATUS

	REPORTING PERIOD:	March 2004
	GROSS HOURS IN REPORTING PERIOD:	744
	CURRENTLY AUTHORIZED POWER LEVEL (MWth):	3496
1.	DESIGN ELECTRICAL RATING (MWe-Net):	1138
2.	MAX. DEPENDABLE CAPACITY (MWe-Net):	1112

UNIT 2 OPERATING STATUS

	PARAMETER	THIS MONTH	YTD	CUMULATIVE
3.	NUMBER OF HOURS THE REACTOR WAS CRITICAL	744.0	2127.1	191,893.5
4.	HOURS GENERATOR ON-LINE	744.0	2106.8	187,421.9
5.	UNIT RESERVE SHUTDOWN HOURS	0	0	0
6.	NET ELECTRICAL ENERGY GENERATED	848,179.9	2,381,747.2	185,533,285.3

III. OPERATING DATA STATISTICS

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

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

OPERATING STATUS

	REPORTING PERIOD:	March 2004
	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

	PARAMETER	THIS MONTH	YTD	CUMULATIVE
3.	NUMBER OF HOURS THE REACTOR WAS CRITICAL	744.0	2184.0	190,454.4
4.	HOURS GENERATOR ON-LINE	744.0	2184.0	186,509.0
5.	UNIT RESERVE SHUTDOWN HOURS	0	0	0
6.	NET ELECTRICAL ENERGY GENERATED	853,696.9	2,495,081.2	183,548,846.3

IV. OPERATING DATA STATISTICS

A. Unit TWO Shutdowns for March 2004

No. for Year	Date	Type (1)	Duration (Hours)	Reason (2)	Method of Shutting Down (3)	Corrective Actions/Comments

No Unit TWO shutdowns for March 2004

B. Unit THREE Shutdowns for March 2004

No. for Year	Date	Type (1)	Duration (Hours)	Reason (2)	Method of Shutting Down (3)	Corrective Actions/Comments

No Unit THREE shutdowns for March 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)