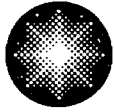


**Kevin J. Nietmann**  
Plant General Manager

1650 Calvert Cliffs Parkway  
Lusby, Maryland 20657  
410.495.4101  
410.495.4787 Fax



## **Constellation Energy**

Calvert Cliffs Nuclear Power Plant

October 14, 2004

U. S. Nuclear Regulatory Commission  
Washington, DC 20555

**ATTENTION:** Document Control Desk

**SUBJECT:** Calvert Cliffs Nuclear Power Plant  
Unit Nos. 1 & 2; Docket Nos. 50-317 & 50-318  
September 2004 Operating Data Reports

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The subject reports are being sent to you as required by Technical Specification 5.6.4.

Should you have questions regarding this matter, we will be pleased to discuss them with you.

Very truly yours,

KJN/CAN/bjd

Attachments

cc: J. Petro, Esquire  
J. E. Silberg, Esquire  
R. V. Guzman, NRC  
S. J. Collins, NRC

Resident Inspector, NRC  
R. I. McLean, DNR  
S. Mainieri, INPO  
K. N. Larson, ANI

*Certified Mail*  
17000 1670 0001 9799 6093

*IE24*

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 OPERATING DATA REPORT

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Docket No. 50-317  
 Calvert Cliffs Unit 1  
 October 1, 2004  
 Prepared by Herman O. Olsen  
 Telephone: (410) 495-6734

REPORTING PERIOD                                      SEPTEMBER 2004  
 DESIGN ELECTRICAL RATING (NET MWe)                                      845  
 MAXIMUM DEPENDABLE CAP'Y (NET MWe)                                      870

	This month	Year- to-Date	Cumulative to Date
	-----	-----	-----
1. NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	5,865.9	197,915.3
2. HOURS GENERATOR ON LINE	720.0	5,826.1	194,711.8
3. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
4. NET ELECTRICAL ENERGY GENERATED (MWH)	626,231	5,001,878	159,701,593

## UNIT SHUTDOWNS

DOCKET NO. 50-317  
 UNIT NAME Calvert Cliffs - U1  
 DATE October 1, 2004  
 COMPLETED BY Herman O. Olsen  
 TELEPHONE (410) 495-6734

REPORTING MONTH September 2004

NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON <sup>1</sup>	METHOD OF SHUTTING DOWN <sup>2</sup>	CAUSE/CORRECTIVE ACTIONS  COMMENTS
						There were no shutdowns this month.

- <sup>1</sup> Reason:
- A - Equipment Failure
  - B - Maintenance or Test
  - C - Refueling
  - D - Regulatory Restriction
  - E - Operator Training & License Examination
  - F - Administrative
  - G - Operational Error
  - H - Other

- <sup>2</sup> Method:
- 1 - Manual
  - 2 - Manual Scram.
  - 3 - Automatic Scram.
  - 4 - Continued
  - 5 - Other

DOCKET NO. 50-317  
CALVERT CLIFFS - UNIT 1  
October 1, 2004

## SUMMARY OF OPERATING EXPERIENCE

September 2004

The unit began the month at 100% power.

On 09/04/04 at 2200, power was reduced to 87% for Main Turbine Valve Testing. Testing was completed and power was returned to 100% on 09/05/04 at 0110.

On 09/10/04 at 2010 power was reduced to approximately 95% for waterbox cleaning. Power was restored to 100% on 09/12/04 at 0035 after completion of waterbox cleaning.

The unit operated at 100% power for the remainder of the month.

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OPERATING DATA REPORT

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Docket No. 50-318  
Calvert Cliffs Unit 2  
October 1, 2004  
Prepared by Herman O. Olsen  
Telephone: (410) 495-6734

REPORTING PERIOD  
DESIGN ELECTRICAL RATING (NET MWe)  
MAXIMUM DEPENDABLE CAP'Y (NET MWe)

SEPTEMBER 2004  
845  
858

	This month	Year- to-Date	Cumulative to Date
	-----	-----	-----
1. NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	6,525.4	191,252.2
2. HOURS GENERATOR ON LINE	720.0	6,520.6	189,358.8
3. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
4. NET ELECTRICAL ENERGY GENERATED (MWH)	604,825	5,624,743	156,368,033

# UNIT SHUTDOWNS

DOCKET NO.	<u>50-318</u>
UNIT NAME	<u>Calvert Cliffs-U2</u>
DATE	<u>October 1, 2004</u>
COMPLETED BY	<u>Herman O. Olsen</u>
TELEPHONE	<u>(410) 495-6734</u>

REPORT MONTH September 2004

NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON <sup>1</sup>	METHOD OF SHUTTING DOWN <sup>2</sup>	CAUSE/CORRECTIVE ACTIONS  COMMENTS
						There were no shutdowns this month.

- <sup>1</sup> Reason:
- A - Equipment Failure
  - B - Maintenance or Test
  - C - Refueling
  - D - Regulatory Restriction
  - E - Operator Training & License Examination
  - F - Administrative
  - G - Operational Error
  - H - Other

- <sup>2</sup> Method:
- 1 - Manual
  - 2 - Manual Scram
  - 3 - Automatic Scram
  - 4 - Continued
  - 5 - Other

DOCKET NO. 50-318  
CALVERT CLIFFS - UNIT 2  
October 1, 2004

## SUMMARY OF OPERATING EXPERIENCE

September 2004

The unit began the month at 100% power.

On 09/10/04 at 2240 power was reduced to 86% for Main Turbine Valve Testing. Testing was completed and power was restored to 100% on 09/11/04 at 0037.

On 09/18/04 at 1258 a rapid down power was required due to decreasing condenser vacuum. Power was stabilized at approximately 87% while trouble shooting took place. It was determined that a high differential pressure, due to sea grass intrusion, on the Amertap screens prevented moving the screens. Circulating Water Pump 25 was secured and the screens were repositioned. Power was increased to 98% and stabilized at 2338 due to condenser differential temperature.

On 09/19/04 at 0140 power was reduced to 86% for waterbox cleaning. Waterbox cleaning was completed and power was returned to 100% at 2217.

On 09/20/04 at 2030 power was reduced to 93% to clean 21A waterbox. Power was returned to 100%  
On 09/21/04 at 0400. At 2203 power was reduced to 95% to clean 21B waterbox. Waterbox cleaning was completed and power was returned to 100% on 09/22/04 at 0412. At 2207 power was reduced to 95% to clean 23A waterbox. Waterbox cleaning was completed and power was returned to 100% on 09/23/04 at 0555.

The unit operated at 100% power for the remainder of the month.