



Constellation Energy

May 12, 2005

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
April 2005 Monthly Operating Reports

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

Should you have questions regarding this matter, please contact Mr. L. S. Larragoite at (410) 495-4922.

Very truly yours,

David A. Holm
Plant General Manager

DAH/CAN/bjd

Attachment: April 2005 Monthly Operating Reports

cc: R. V. Guzman, NRC
S. J. Collins, NRC
Resident Inspector, NRC

R. I. McLean, DNR
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ATTACHMENT

APRIL 2005

MONTHLY OPERATING REPORTS

MONTHLY OPERATING REPORT

Docket No. 50-317
Calvert Cliffs Unit 1
May 5, 2005
Prepared by Herman O. Olsen
Telephone: (410) 495-6734

REPORTING PERIOD APRIL 2005
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	719.0	2,855.3	202,979.6
2. HOURS GENERATOR ON LINE	719.0	2,845.4	199,766.2
3. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
4. NET ELECTRICAL ENERGY GENERATED (MWH)	633,732	2,534,484	164,208,181

UNIT SHUTDOWNS

DOCKET NO. 50-317
 UNIT NAME Calvert Cliffs - U1
 DATE May 5, 2005
 COMPLETED BY Herman O. Olsen
 TELEPHONE (410) 495-6734

REPORTING MONTH April 2005

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

- ¹ 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

- ² Method:
- 1 - Manual
 - 2 - Manual Scram.
 - 3 - Automatic Scram.
 - 4 - Continued
 - 5 - Other

DOCKET NO. 50-317
CALVERT CLIFFS - UNIT 1
May 5, 2005

SUMMARY OF OPERATING EXPERIENCE

April 2005

The unit began the month at 100% reactor power.

On 04/20/2005 at 0200 reactor power was reduced to ~97% for eddy current testing of 13B waterbox. Power was further reduced to ~95% due to a high condenser differential temperature on 13B waterbox. The waterbox was cleaned and eddy current testing was performed and completed on 04/22/2005 at 1500. Power was returned to 100% at 1715.

The unit continued to operate at 100% power for the remainder of the month.

MONTHLY OPERATING REPORT

Docket No. 50-318
Calvert Cliffs Unit 2
May 5, 2005
Prepared by Herman O. Olsen
Telephone: (410) 495-6734

REPORTING PERIOD APRIL 2005
DESIGN ELECTRICAL RATING (NET MWe) 845
MAXIMUM DEPENDABLE CAP'Y (NET MWe) 858

	* This month -----	Year- to-Date -----	Cumulative to Date -----
1. NUMBER OF HOURS REACTOR WAS CRITICAL	719.0	2,404.9	195,866.1
2. HOURS GENERATOR ON LINE	719.0	2,368.8	193,936.6
3. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
4. NET ELECTRICAL ENERGY GENERATED (MWH)	636,448	2,061,416	160,356,904

UNIT SHUTDOWNS

DOCKET NO. 50-318
 UNIT NAME Calvert Cliffs-U2
 DATE May 5, 2005
 COMPLETED BY Herman O. Olsen
 TELEPHONE (410) 495-6734

REPORT MONTH April 2005

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

- ¹ 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

- ² Method:
- 1 - Manual
 - 2 - Manual Scram
 - 3 - Automatic Scram
 - 4 - Continued
 - 5 - Other

DOCKET NO. 50-318
CALVERT CLIFFS - UNIT 2
May 5, 2005

SUMMARY OF OPERATING EXPERIENCE

April 2005

The unit operated at 100% for the entire month.