



**Constellation
Energy Group**

April 14, 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
March 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, we will be pleased to discuss them with you.

Very truly yours,

David A. Holm
Plant General Manager

DAH/CAN/bjd

Attachment: March 2005 Monthly Operating Reports

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

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

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ATTACHMENT

MARCH 2005
MONTHLY OPERATING REPORTS

Calvert Cliffs Nuclear Power Plant, Inc.
April 14, 2005

MONTHLY OPERATING REPORT

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

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

MARCH 2005
845
870

	This month	Year- to-Date	Cumulative to Date
	-----	-----	-----
1. NUMBER OF HOURS REACTOR WAS CRITICAL	720.3	2,136.3	202,260.6
2. HOURS GENERATOR ON LINE	710.4	2,126.4	199,047.2
3. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
4. NET ELECTRICAL ENERGY GENERATED (MWH)	629,136	1,900,752	163,574,449

UNIT SHUTDOWNS

DOCKET NO. 50-317
 UNIT NAME Calvert Cliffs - U1
 DATE April 4, 2005
 COMPLETED BY Herman O. Olsen
 TELEPHONE (410) 495-6734

REPORTING MONTH March 2005

NO.	DATE	TYPE		DURATION (HOURS)	REASON ¹	METHOD OF SHUTTING DOWN ²	CAUSE/CORRECTIVE ACTIONS
		F:	SCHEDULED				COMMENTS
05-001	05/03/01		F	33.6	A	2	On 03/01/2005 a reduction in power was in progress in preparation for shutting down to repair a steam leak on the 11 Moisture Separator Reheat (MSR) Drain Tank vent line. Turbine vibration was noted to be increasing. and continued to increase until it reached the manual trip criteria. The reactor was manually tripped from 15% power at 0043. The 11 MSR Drain Tank vent line was replaced. The reactor was taken critical and the unit was paralleled to the grid on 03/02/2005 at 1019. No problems or vibration issues were noted on the startup and loading of the Main Turbine.

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
April 4, 2005

SUMMARY OF OPERATING EXPERIENCE

March 2005

The unit began the month at 30% reactor power in the process of shutting down to repair a steam leak on 11 Moisture Separator Reheater Drain Tank vent line.

On 03/02/2005 at 0016 Turbine vibration was noted to be increasing. At 0039 vibration was at 10 mils and increasing. The reactor was tripped at 0043 from 15% power.

The 11 Moisture Separator Reheater Drain Tank vent was replaced and the unit was started up from Mode 3. The reactor was critical on 03/02/2005 at 0028 and the unit was paralleled to the grid at 1019. Reactor power was returned to 100% at 2000.

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
April 5, 2005
Prepared by Herman O. Olsen
Telephone: (410) 495-6734

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

MARCH 2005
845
858

	This month	Year- to-Date	Cumulative to Date
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1. NUMBER OF HOURS REACTOR WAS CRITICAL	416.6	1,685.9	195,147.1
2. HOURS GENERATOR ON LINE	380.8	1,649.8	193,217.6
3. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
4. NET ELECTRICAL ENERGY GENERATED (MWH)	321,510	1,424,968	159,720,456

UNIT SHUTDOWNS

DOCKET NO. 50-318
UNIT NAME Calvert Cliffs-U2
DATE April 4, 2005
COMPLETED BY Herman O. Olsen
TELEPHONE (410) 495-6734

REPORT MONTH March 2005

NO.	DATE	TYPE		DURATION (HOURS)	REASON ¹	METHOD OF SHUTTING DOWN ²	CAUSE/CORRECTIVE ACTIONS
		F:	FORCED				COMMENTS
		S:	SCHEDULED				
05-001	05/02/22		S	363.2	C	2	The unit began the month in mode 6 as part of the planned refueling outage. The unit was heated up and paralleled to the grid on 03/16/2005 at 0312.

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
April 4, 2005

SUMMARY OF OPERATING EXPERIENCE

March 2005

The unit began the month in mode 6.

The following significant work was completed during the month:

- Reactor was refueled.
- Reactor vessel head was inspected.
- Alloy 600 inspections were completed.

Plant heat up and start up were performed and the reactor was critical on 03/14/2005 at 1526. The unit was paralleled to the grid on 03/15/2005 at 0312. Reactor power was increased and reached 100% on 03/17/2005 at 2250.

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