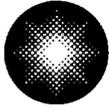


**Peter E. Katz**  
Plant General Manager

1650 Calvert Cliffs Parkway  
Lusby, Maryland 20657  
410 495-4101



**Constellation  
Nuclear**

**Calvert Cliffs  
Nuclear Power Plant**

*A Member of the  
Constellation Energy Group*

October 10, 2000

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 2000 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, please contact Mr. Bruce B. Mrowca at (410) 495-3989.

Very truly yours,

PEK/TWG/dlm

Attachments

cc: R. S. Fleishman, Esquire  
J. E. Silberg, Esquire  
Director, Project Directorate I-1, NRC  
A. W. Dromerick, NRC  
H. J. Miller, NRC

Resident Inspector, NRC  
R. I. McLean, DNR  
P. Lewis, INPO  
K. N. Larson, ANI

IE24



## UNIT SHUTDOWNS

DOCKET NO.	50-317
UNIT NAME	Calvert Cliffs - U1
DATE	October 6, 2000
COMPLETED BY	Herman O. Olsen
TELEPHONE	(410) 495-6734

**REPORTING MONTH September 2000**

NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON <sup>1</sup>	METHOD OF SHUTTING DOWN <sup>2</sup>	CAUSE/CORRECTIVE ACTIONS  COMMENTS
00-004	00/09/10	F	39.0	A	3	The unit automatically tripped from 100% power due to a spurious signal from Channel A of the Engineered Safety Features Actuation System Steam Generator Isolation Signal. The plant was brought to a safe shutdown condition in Mode 3. The suspect Channel A Steam Generator Isolation Signal logic module was replaced and the new module tested satisfactorily. The suspect module was sent to the vendor for testing and destructive analysis. The unit was restarted on 09/12/00. A detail root cause analysis is in progress. A Licensee Event Report (LER) #2000-005-00 was assigned.

<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 6, 2000

## SUMMARY OF OPERATING EXPERIENCE

September 2000

The unit began the month at 100% reactor power.

On 09/10/2000 at 2123 an automatic reactor trip was initiated at 100% reactor power due to a spurious signal from Channel A of the Engineered Safety Features Actuation System (ESFAS) Steam Generator Isolation Signal. This signal caused the Main Steam Isolation Valves to shut, and the resulting shrink in both Steam Generators caused the reactor to trip on low Steam Generator level. The unit was placed in a safe shutdown condition in Mode 3.

The suspect Channel A module was replaced and the new module tested satisfactorily. The reactor was taken critical on 09/11/2000 at 2351 and paralleled to the grid at 1220 on 09/12/2000.

The unit reached 100% power on 09/13/2000 at 1315 and operated at 100% power for the remainder of the month.

\*\*\*\*\*  
 OPERATING DATA REPORT

\*\*\*\*\*  
 Docket No. 50-318  
 Calvert Cliffs Unit 2  
 October 3, 2000  
 Prepared by Herman O. Olsen  
 Telephone: (410) 495-6734

REPORTING PERIOD	SEPTEMBER 2000
DESIGN ELECTRICAL RATING (NET MWe)	845
MAXIMUM DEPENDABLE CAP'Y (NET MWe)	835

	This month	Year- to-Date	Cumulative to Date
	-----	-----	-----
1. NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	6,410.8	159,256.5
2. HOURS GENERATOR ON LINE	720.0	6,405.0	157,437.1
3. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
4. NET ELECTRICAL ENERGY GENERATED (MWH)	607,436	5,478,475	128,991,796

## UNIT SHUTDOWNS

DOCKET NO.	50-318
UNIT NAME	Calvert Cliffs-U2
DATE	October 6, 2000
COMPLETED BY	Herman O. Olsen
TELEPHONE	(410) 495-6734

**REPORT MONTH September 2000**

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 6, 2000

## SUMMARY OF OPERATING EXPERIENCE

September 2000

The unit began the month at 100% reactor power.

On 09/08/2000 at 2154, power was decreased to 87% for Main Turbine Valve Testing and Waterbox Cleaning. Following the completion of testing, power was increased to approximately 94% to continue Waterbox cleaning. After cleaning was completed, power was returned to 100% on 09/10/2000 at 1330.

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