

Kevin J. Nietmann
Plant General Manager
Calvert Cliffs Nuclear Power Plant
Constellation Generation Group, LLC

1650 Calvert Cliffs Parkway
Lusby, Maryland 20657
410 495-4101
410 495-4787 Fax



May 15, 2003

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 2003 Operating Data Reports

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

Should you have questions, please contact Mr. Thomas S. O'Meara at (410) 495-6940.

Very truly yours,

A handwritten signature in black ink, appearing to read "John T. Carmell".

KJN/CAN/bjd

Attachments

cc: J. Petro, Esquire
J. E. Silberg, Esquire
Director, Project Directorate I-1, NRC
G. S. Vissing, NRC
H. J. Miller, NRC

Resident Inspector, NRC
R. I. McLean, DNR
J. Wright, INPO
K. N. Larson, ANI

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 OPERATING DATA REPORT

 Docket No. 50-317
 Calvert Cliffs Unit 1
 May 2, 2003
 Prepared by Herman O. Olsen
 Telephone: (410) 495-6734

REPORTING PERIOD APRIL 2003
 DESIGN ELECTRICAL RATING (NET MWe) 845
 MAXIMUM DEPENDABLE CAP'Y (NET MWe) 825

	* This month	Year- to-Date	Cumulative to Date
	-----	-----	-----
1. NUMBER OF HOURS REACTOR WAS CRITICAL	719.0	2,879.0	186,168.4
2. HOURS GENERATOR ON LINE	719.0	2,879.0	183,004.7
3. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
4. NET ELECTRICAL ENERGY GENERATED (MWH)	624,199	2,502,975	149,670,238

UNIT SHUTDOWNS

DOCKET NO.	50-317
UNIT NAME	Calvert Cliffs - U1
DATE	May 2, 2003
COMPLETED BY	Herman O. Olsen
TELEPHONE	(410) 495-6734

REPORTING MONTH April 2003

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. 50-317
CALVERT CLIFFS - UNIT 1
May 2, 2003

SUMMARY OF OPERATING EXPERIENCE

April 2003

The unit operated at 100% power for the entire month.

 OPERATING DATA REPORT

 Docket No. 50-318
 Calvert Cliffs Unit 2
 May 2, 2003
 Prepared by Herman O. Olsen
 Telephone: (410) 495-6734

REPORTING PERIOD APRIL 2003
 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	233.7	1,313.1	178,872.9
2. HOURS GENERATOR ON LINE	204.8	1,284.0	176,988.7
3. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
4. NET ELECTRICAL ENERGY GENERATED (MWH)	160,285	1,093,882	145,680,312

UNIT SHUTDOWNS

DOCKET NO.	50-318
UNIT NAME	Calvert Cliffs-U2
DATE	May 2, 2003
COMPLETED BY	Herman O. Olsen
TELEPHONE	(410) 495-6734

REPORT MONTH April 2003

NO.	DATE	TYPE	DURATION (HOURS)	REASON ¹	METHOD OF SHUTTING DOWN ²	CAUSE/CORRECTIVE ACTIONS
		F: FORCED S: SCHEDULED				COMMENTS
03-001	030214	S	515.2	C	1	The unit was defueled in a planned refueling outage at the beginning of the month. Refueling was completed and the outage ended on 04/22/03 at 1111 when the unit was paralleled to the grid.

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 2, 2003

SUMMARY OF OPERATING EXPERIENCE

April 2003

The unit began the month defueled in a planned refueling outage.

The following significant work was completed or in progress during the month:

- Steam Generator replacement.
- Main Transformer replacement.
- Refueling.
- Physics testing.

The unit was heated up and taken critical on 04/21/03 at 0620. Power was increased and the unit was paralleled to the grid on 04/22/03 at 1111.

The unit reached 100% power on 04/25/03 at 1630 and continued to operate at 100% power for the remainder of the month.