

# OPERATING DATA REPORT

Docket No. 50-317  
 Date: February 10, 1986  
 Completed by R. Porter  
 Telephone: (301) 260-4868

## OPERATING STATUS \*\*\*\*\*

1.	Unit Name:	Caivert Cliffs No. 1
2.	Reporting Period:	JANUARY
3.	Licensed Thermal Power (MWT):	2,700
4.	Nameplate Rating (gross MWe):	918
5.	Design Electrical Rating (Net MWE):	845
6.	Maximum Dependable Capacity Gross MWe:	860
7.	Maximum Dependable Capacity (Net MWE):	825
8.	Change In Capacity Ratings:	None
9.	Power Level To Which Restricted (Net MW):	NA
10.	Reasons For Restrictions:	NA

		<u>This Month</u>	<u>Yr-To-Date</u>	<u>Cumulative</u>
11.	Hours In Reporting Period	744	744	94,117
12.	Number Of Hours Reactor Was Critical	724.6	724.6	73,590.1
13.	Reactor Reserve Shutdown Hours	0.0	0.0	3,019.4
14.	Hours Generator On-line	713.5	713.5	72,073
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	1,872,516	1,872,516	179,196,709
17.	Gross Electrical Energy Generated (MWH)	635,375	635,375	59,238,152
18.	Net Electrical Energy Generated (MWH)	608,109	608,109	56,524,410
19.	Unit Service Factor	95.9	95.9	76.6
20.	Unit Availability Factor	95.9	95.9	76.6
21.	Unit Capacity Factor (Using MDC Net)	99.1	99.1	73.3
22.	Unit Capacity Factor (Using DER Net)	96.7	96.7	71.1
23.	Unit Forced Outage Rate	4.1	4.1	9.0
24.	Shutdowns Scheduled Over the Next Six Months (type, date, and duration):	None		
25.	If Shutdown At End Of Report Period, Estimated Date Of Startup:	N/A		

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UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-317

UNIT NAME Calvert Cliffs 1

DATE February 10, 1986

COMPLETED BY R. J. Porter

TELEPHONE (301) 260-4868

REPORT MONTH January

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
85-01	860115	F	14.7	A	N/A	N/A	HH	VALVEX	Repairs to 12 Heater Drain Tank normal level control valve.
85-02	860123	F	30.5	A	3	86-01	IA	CKTBRK	Mechanical failure of #2 trip circuit breaker.

<sup>1</sup> F: Forced  
S: Scheduled

<sup>2</sup> Reason:  
A-Equipment Failure (Explain)  
B-Maintenance or Test  
C-Refueling  
D-Regulatory Restriction  
E-Operator Training & License Examination  
F-Administrative  
G-Operational Error (Explain)  
H-Other (Explain)

<sup>3</sup> Method:  
1-Manual  
2-Manual Scram.  
3-Automatic Scram.  
4-Other (Explain)

<sup>4</sup> Exhibit G-Instructions for Preparation of Data Entry Sheets for License Event Report (LER) File (NUREG-0161)

<sup>5</sup> Exhibit I - Same Source

**AVERAGE DAILY UNIT POWER LEVEL**

Docket No. 50-317  
 Calvert Cliffs Unit No. 1  
 Date: February 10, 1986  
 Completed By R. Porter  
 Telephone: (301)-260-4868

**JANUARY  
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<u>Day</u>	<u>Average Daily Power Level (MWe-Net)</u>	<u>Day</u>	<u>Average Daily Power Level (MWe-Net)</u>
1	878	17	878
2	878	18	880
3	879	19	881
4	879	20	879
5	880	21	879
6	880	22	878
7	879	23	383
8	880	24	18
9	878	25	454
10	879	26	872
11	878	27	877
12	880	28	879
13	879	29	875
14	879	30	875
15	773	31	877
16	873		

**INSTRUCTIONS:**

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

## OPERATING DATA REPORT

Docket No. 50-318  
 Date: February 10, 1986  
 Completed by R. Porter  
 Telephone: (301) 260-4868

### OPERATING STATUS

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1.	Unit Name:	Calvert Cliffs No. 2
2.	Reporting Period:	<b>JANUARY</b>
3.	Licensed Thermal Power (MWT):	2,700
4.	Nameplate Rating (gross MWe):	911
5.	Design Electrical Rating (Net MWE):	845
6.	Maximum Dependable Capacity Gross MWe:	860
7.	Maximum Dependable Capacity (Net MWE):	825
8.	Change In Capacity Ratings:	None
9.	Power Level To Which Restricted (Net MW):	NA
10.	Reasons For Restrictions:	NA

		<u>This Month</u>	<u>Yr-To-Date</u>	<u>Cumulative</u>
11.	Hours In Reporting Period	744	744	77,472
12.	Number Of Hours Reactor Was Critical	744	744	64,187
13.	Reactor Reserve Shutdown Hours	0.0	0.0	1,260.7
14.	Hours Generator On-line	744	744	63,155.3
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	1,987,154	1,987,154	158,469,190
17.	Gross Electrical Energy Generated (MWH)	674,597	674,597	52,196,156
18.	Net Electrical Energy Generated (MWH)	647,686	647,686	49,797,941
19.	Unit Service Factor	100.0	100.0	81.5
20.	Unit Availability Factor	100.0	100.0	81.5
21.	Unit Capacity Factor (Using MDC Net)	105.5	105.5	78.1
22.	Unit Capacity Factor (Using DER Net)	103.0	103.0	76.1
23.	Unit Forced Outage Rate	0.0	0.0	6.1
24.	Shutdowns Scheduled Over the Next Six Months (type, date, and duration): None			
25.	If Shutdown At End Of Report Period, Estimated Date Of Startup: N/A			

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-318

UNIT NAME Calvert Cliffs 2

DATE February 10, 1986

COMPLETED BY R. J. Porter

TELEPHONE (301) 260-4868

REPORT MONTH January

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
86-01	860131	F	4.5	2	N/A	N/A	CB	MOTORX	Power was reduced to minimum to allow repairs to 21A Reactor Coolant Pump level indication.

<sup>1</sup> F: Forced  
S: Scheduled

<sup>2</sup> Reason:  
A-Equipment Failure (Explain)  
B-Maintenance or Test  
C-Refueling  
D-Regulatory Restriction  
E-Operator Training & License Examination  
F-Administrative  
G-Operational Error (Explain)  
H-Other (Explain)

<sup>3</sup> Method:  
1-Manual  
2-Manual Scram.  
3-Automatic Scram.  
4-Other (Explain)

<sup>4</sup> Exhibit G-Instructions for Preparation of Data Entry Sheets for License Event Report (LER) File (NUREG-0161)

<sup>5</sup> Exhibit I - Same Source

AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-318  
 Calvert Cliffs Unit No. 2  
 Date: February 10, 1986  
 Completed By R. Porter  
 Telephone: (301)-260-4868

JANUARY  
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<u>Day</u>	<u>Average Daily Power Level (MWe-Net)</u>	<u>Day</u>	<u>Average Daily Power Level (MWe-Net)</u>
1	883	17	880
2	881	18	882
3	881	19	882
4	880	20	881
5	880	21	879
6	879	22	878
7	878	23	873
8	832	24	875
9	771	25	878
10	877	26	879
11	878	27	880
12	879	28	881
13	877	29	882
14	876	30	880
15	875	31	774
16	877		

INSTRUCTIONS:

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

## SUMMARY OF UNIT 1 OPERATING EXPERIENCE

January 1986

- 1/1 At the beginning of this reporting period, the unit was at full load (875 MWe).
- 1/15 Reduced power at 0645 for 12 Heater Drain Tank Normal Level Control Valve to 80% (681 MWe). Resumed full load at 2125.
- 1/23 Reactor tripped at 1056 due to mechanical failure of #2 Trip Circuit Breaker.
- 1/24 Reactor critical at 0624. Paralleled unit at 1724, began power increase.
- 1/25 At 1900, resumed full load (860 MWe)
- 1/31 At the end of this reporting period, the unit was at 875 MWe, reactor at 100% power

## SUMMARY OF UNIT 2 OPERATING EXPERIENCE

January 1986

- 1/1 At the beginning of this reporting period the unit was at full power (875 MWe).
- 1/8 At 1600, reduced power to 81% (705MWe) for repairs to #21 Heater Drain Tank Normal Level Control Valve (#21 HDT NLCV). At 2400, began increasing power to full power.
- 1/9 At 0255, the unit was at 875 MWe with the reactor at 100% power. At 0920 reduced power to 80% (706 MWe) when #21 HDT NLCV failed again. At 2120 repairs complete to #21 HDT NLCV. At 2330, unit was returned to 100% (875 MWe).
- 1/31 At 0230, the unit was reduced to investigate noise (water hammer) in LP "C" turbine. At 0715 increased power to full load. At 1930, the unit was reduced to 10% reactor power for low oil level repairs to 21A RCP. At 2400, the unit was at 10% power (minimum load).



February 5, 1986

REFUELING INFORMATION REQUEST

1. Name of Facility: Calvert Cliffs Nuclear Power Plant, Unit No. 1
2. Scheduled date for next Refueling Shutdown: October 25, 1986
3. Scheduled date for restart following refueling: January 4, 1987
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

Resumption of operation after refueling will require changes to Technical Specifications. The changes will be such as to allow operation of the plant with a fresh reload batch and reshuffled core.

5. Scheduled date(s) for submitting proposed licensing action and supporting information.  
September 29, 1986

6. Important licensing considerations associated with the refueling.

Reload fuel will be similar to that reload fuel inserted into the previous cycle.

7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool.

(a) 217                      (b) 1000

Spent Fuel Pools are common to Units 1 and 2

8. (a) The present licensed spent fuel pool storage capacity, and (b) the size of any increase in licensed storage capacity that has been requested or is planned, in number of fuel assemblies.

(a) 1830  
(b) 0

9. The projected date of the last refueling that can be discharged to the Spent Fuel Pool assuming the present licensed capacity and maintaining space for one full core off load.

April, 1991

February 5, 1986

REFUELING INFORMATION REQUEST

1. Name of Facility: Calvert Cliffs Nuclear Power Plant, Unit No. 2.
- \*2. Scheduled date for next refueling shutdown: March 14, 1987.
- \*3. Scheduled date for restart following refueling: May 22, 1987.
4. Will refueling or resumption of operation thereafter require a technical specification change or other licensed amendment?  
  
Resumption of operation after refueling will require changes to Technical Specifications. The changes will be such as to allow operation of the plant with a fresh reload batch and reshuffled core.
5. Scheduled date(s) for submitting proposed licensing action and supporting information.  
  
February 13, 1987
6. Important licensing considerations associated with refueling.  
  
Reload fuel will be similar to that reload fuel inserted in the previous cycle.
7. The number of fuel assemblies (a) in the core and (b) in the Spent Fuel Storage Pool.  
  
(a) 217                      (b) 1000  
  
Spent Fuel Pool is common to Units 1 and 2.
8. (a) The present licensed spent fuel pool storage capacity, and (b) the size of any increase in licensed storage capacity that has been required or is planned, in number of fuel assemblies.  
  
(a) 1830  
(b) 0
9. The projected date of the last refueling that can be discharged to the Spent Fuel Pool assuming the present licensed capacity and maintaining space for one full core off load.

April, 1991

\* This information has changed since the last report.



CHARLES CENTER · P. O. BOX 1475 · BALTIMORE, MARYLAND 21203

JAMES R. LEMONS  
MANAGER  
NUCLEAR OPERATIONS DEPARTMENT

February 10, 1986

Director, Office of Inspection  
and Enforcement  
U. S. Nuclear Regulatory Commission  
Washington, DC 20055

Attention: Document Control Desk

Subject: January Operating Data Reports for Calvert Cliffs  
Units 1 and 2 (Dockets 50-317 and 50-318)

Gentlemen:

The subject reports are being sent to you as required by Technical  
Specification 6.9.1.6.

If there are any questions, please contact Bob Porter, (301) 260-4868.

Sincerely,

J. R. Lemons  
Nuclear Operations Department-Manager

JRL/RJP/tyk

Attachments

Copies:	M. Beebe (NRC)	V. P. O'Grady (BG&E)
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