

## OPERATING DATA REPORT

Docket No. 50-317  
Date: April 8, 1986  
Completed by R. Porter  
Telephone: (301) 260-4868

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

1.	Unit Name:	Calvert Cliffs No. 1
2.	Reporting Period:	MARCH
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	2,160	95,533
12.	Number Of Hours Reactor Was Critical	596.8	1,993.4	74,858.9
13.	Reactor Reserve Shutdown Hours	0.0	0.0	3,019.4
14.	Hours Generator On-line	588	1,973.5	73,333
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	1,549,862	5,231,325	182,555,518
17.	Gross Electrical Energy Generated (MWH)	522,674	1,771,200	60,373,977
18.	Net Electrical Energy Generated (MWH)	500,412	1,696,984	57,613,285
19.	Unit Service Factor	79.0	91.4	76.8
20.	Unit Availability Factor	79.0	91.4	76.8
21.	Unit Capacity Factor (Using MDC Net)	81.5	95.2	73.5
22.	Unit Capacity Factor (Using DER Net)	79.6	93.0	71.4
23.	Unit Forced Outage Rate	21.0	8.6	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			

AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-317  
 Calvert Cliffs Unit No. 1  
 Date: April 8, 1986  
 Completed By R. Porter  
 Telephone: (301) 260-4868

MARCH  
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Day	Average Daily Power Level (MWe-Net)	Day	Average Daily Power Level (MWe-Net)
1	876	17	837
2	877	18	14
3	843	19	0
4	875	20	0
5	875	21	0
6	875	22	0
7	875	23	0
8	873	24	159
9	875	25	785
10	876	26	780
11	877	27	831
12	875	28	862
13	873	29	870
14	875	30	873
15	873	31	873
16	875		

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.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-317  
 UNIT NAME Calvert Cliffs 1  
 DATE April 8, 1986  
 COMPLETED BY R. J. Porter  
 TELEPHONE (301) 260-4868

REPORT MONTH MARCH

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
86-03	860318	S	156	B	1	N/A	CB	PUMPXX & VALVEX	The unit was shut down for maintenance on Reactor Coolant Code Safety Valves and 11B Reactor Coolant Pump seals.

<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

## OPERATING DATA REPORT

Docket No. 50-318  
 Date: April 8, 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>MARCH</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	2,160	78,888
12.	Number Of Hours Reactor Was Critical	719.7	2,118.6	65,561.6
13.	Reactor Reserve Shutdown Hours	24.3	24.3	1,285.0
14.	Hours Generator On-line	716.9	2,113.4	64,524.7
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	1,899,062	5,544,578	162,026,614
17.	Gross Electrical Energy Generated (MWH)	641,777	1,886,558	53,408,117
18.	Net Electrical Energy Generated (MWH)	615,364	1,809,178	50,959,433
19.	Unit Service Factor	96.4	97.8	81.8
20.	Unit Availability Factor	96.4	97.8	81.8
21.	Unit Capacity Factor (Using MDC Net)	100.3	101.5	78.5
22.	Unit Capacity Factor (Using DER Net)	97.9	99.1	76.4
23.	Unit Forced Outage Rate	0.0	9.1	6.0
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			

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-318  
 UNIT NAME Calvert Cliffs 2  
 DATE April 8, 1986  
 COMPLETED BY R. J. Porter  
 TELEPHONE (301) 260-4868

REPORT MONTH MARCH

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
86-03	860315	F	27.1	B	1	N/A	HA	TURBIN	The unit was shut down to facilitate balancing #5 & #6 Main Turbine bearings.

<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: April 8, 1986  
 Completed By R. Porter  
 Telephone: (301) 260-4868

MARCH  
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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	872	17	868
2	873	18	868
3	872	19	873
4	871	20	873
5	871	21	868
6	871	22	867
7	871	23	869
8	871	24	866
9	873	25	870
10	874	26	869
11	873	27	871
12	870	28	872
13	870	29	848
14	852	30	873
15	1	31	870
16	430		

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

March 1986

- 3/1 Unit One began this reporting period at 100% Reactor Power (860 MWe).
- 3/3 At 0945, reduced power (725 MWe) to investigate loss of #14 Circulating Water Pump (#14 CWPP). The associated sump pump did not operate and siphon clogged.
- 3/3 At 1830, Unit returned to full power (860 MWe), troubleshooting of phase "A" inconclusive.
- 3/17 At 1945, the Unit began power decrease for mini-outage repairs to the Reactor Coolant System Code Safety Valves (1-RV-200,201), PORV, #11B Reactor Coolant Pump Seal and other appropriate maintenance items.
- 3/18 At 0223, the Unit was removed from the grid.
- 3/24 At 0633, the Reactor was critical (Mode 2) for Plant startup. At 1005, the reactor was in Mode 1. At 1422, the Unit was paralleled to the grid and began a normal ramp up to full power.
- 3/24 At 2300, (#14 CWPP was removed from service when it tripped) Unit stabilized at 760 MWe.
- 3/27 At 0629, 14 CWPP was re-installed and operating Unit began increasing to full load. At 1030, the Unit was at full power (860 MWe).
- 3/31 The Unit was at full power (860 MWe) at the end of this reporting period.



## SUMMARY OF UNIT 2 OPERATING EXPERIENCE

March 1986

- 3/1 The Unit began this reporting period at full power, reactor at 100% (860 MWe).
- 3/14 The Unit began decreasing power @ 2155 for a balance shot repair of #5 and #6 Main Turbine bearings (associated with LP "B" Turbine) and other applicable maintenance.
- 3/15 At 0145, the Unit was removed from the grid and entered Mode 2. At 0230, the Reactor entered Mode 3.
- 3/16 At 0250, the Reactor was critical (Mode 2) for Plant startup. At 0400, the Reactor entered Mode 1 and the Unit was paralleled at 0450. Normal return to power was limited by plant water chemistry holds but at 2000, the Unit was returned to full power (860 MWe).
- 3/29 At 0230, reduced power to 96% (820 MWe) to repair 21 Heater Drain Tank Normal Level Control Valve Stem (which snapped). At 1342 began increasing power. At 1500 returned to full power (860 MWe).
- 3/31 At the end of this reporting period, the Unit was at 100% power (860 MWe).



April 4, 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

April 6, 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



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

JAMES R. LEMONS  
MANAGER  
NUCLEAR OPERATIONS DEPARTMENT

April 8, 1986

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

Attention: Document Control Desk

Subject: **March 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/bsb

Attachments

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