

# OPERATING DATA REPORT

DOCKET NO. 50-317  
 DATE 12/18/81  
 COMPLETED BY Elaine Lotito  
 TELEPHONE (301) 787-5363

## OPERATING STATUS

1. Unit Name: Calvert Cliffs No. 1
2. Reporting Period: October, 1981
3. Licensed Thermal Power (MWt): 2700
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. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes

9. Power Level To Which Restricted, If Any (Net MWe):
10. Reasons For Restrictions, If Any:

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	( 745.0 )	( 7,296.0 )	( 56,845.0 )
12. Number Of Hours Reactor Was Critical	552.7	6,246.4	45,183.1
13. Reactor Reserve Shutdown Hours	( 79.3 )	( 482.2 )	( 1,746.3 )
14. Hours Generator On-Line	552.6	6,145.6	44,198.3
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,462,787	15,875,376	106,442,168
17. Gross Electrical Energy Generated (MWH)	483,224	5,153,162	34,747,395
18. Net Electrical Energy Generated (MWH)	461,500	4,915,861	33,108,109
19. Unit Service Factor	( 74.2 )	84.2	77.8
20. Unit Availability Factor	( 74.2 )	84.2	77.8
21. Unit Capacity Factor (Using MDC Net)	( 75.1 )	82.0	( 72.1 )
22. Unit Capacity Factor (Using DER Net)	( 73.3 )	( 79.7 )	68.9
23. Unit Forced Outage Rate	17.0	12.2	9.0

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

25. If Shut Down At End Of Report Period, Estimated Date of Startup:

26. Units In Test Status (Prior to Commercial Operation):	Forecast	Achieved
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

8204150355 811218  
 PDR ADOCK 05000317  
 R PDR

(9/77)

# OPERATING DATA REPORT

DOCKET NO. 50-318  
 DATE 12/18/81  
 COMPLETED BY Elaine Lotito  
 TELEPHONE (301) 787-5363

## OPERATING STATUS

1. Unit Name: Calvert Cliffs No. 2
2. Reporting Period: October, 1981
3. Licensed Thermal Power (MWt): 2700
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. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes

9. Power Level To Which Restricted, If Any (Net MWe):
10. Reasons For Restrictions, If Any:

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	( 745.0 )	( 7,296.0 )	( 40,200 )
12. Number Of Hours Reactor Was Critical	( 745.0 )	( 5,699.6 )	( 34,119.4 )
13. Reactor Reserve Shutdown Hours	0.0	272.7	714.5
14. Hours Generator On-Line	( 745.0 )	( 5,562.2 )	( 33,599.3 )
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,968,142	13,325,603	82,077,234
17. Gross Electrical Energy Generated (MWH)	650,865	4,428,362	27,157,329
18. Net Electrical Energy Generated (MWH)	623,482	4,210,989	25,880,963
19. Unit Service Factor	100.0	76.2	83.6
20. Unit Availability Factor	100.0	76.2	83.6
21. Unit Capacity Factor (Using MDC Net)	( 101.4 )	70.0	78.8
22. Unit Capacity Factor (Using DER Net)	99.0	68.3	76.2
23. Unit Forced Outage Rate	0.0	7.0	5.5

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

25. If Shut Down At End Of Report Period, Estimated Date of Startup:
26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

Forecast	Achieved
_____	_____
_____	_____
_____	_____

# OPERATING DATA REPORT

DOCKET NO. 50-318  
 DATE \_\_\_\_\_  
 COMPLETED BY Elaine Lotito  
 TELEPHONE (301)787-5363

## OPERATING STATUS

1. Unit Name: Calvert Cliffs No. 2
2. Reporting Period: October 1981
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. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes

9. Power Level To Which Restricted, If Any (Net MWe): \_\_\_\_\_
10. Reasons For Restrictions, If Any: \_\_\_\_\_

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>74<sup>5</sup></u>	<u>7,29<sup>6</sup></u>	<u>40,19<sup>6</sup></u>
12. Number Of Hours Reactor Was Critical	<u>74<sup>5</sup>.0</u>	<u>5,69<sup>6</sup>.6</u>	<u>34,11<sup>6</sup>.4</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>272.7</u>	<u>714.5</u>
14. Hours Generator On-Line	<u>74<sup>5</sup>.0</u>	<u>5,56<sup>2</sup>.2</u>	<u>33,59<sup>7</sup>.3</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,968,142</u>	<u>13,325,603</u>	<u>82,077,234</u>
17. Gross Electrical Energy Generated (MWH)	<u>650,865</u>	<u>4,428,362</u>	<u>27,157,329</u>
18. Net Electrical Energy Generated (MWH)	<u>623,482</u>	<u>4,210,989</u>	<u>25,880,963</u>
19. Unit Service Factor	<u>100.0</u>	<u>76.2</u>	<u>83.6</u>
20. Unit Availability Factor	<u>100.0</u>	<u>76.2</u>	<u>83.6</u>
21. Unit Capacity Factor (Using MDC Net)	<u>101.6</u>	<u>70.0</u>	<u>78.8</u>
22. Unit Capacity Factor (Using DER Net)	<u>99.2</u>	<u>68.3</u>	<u>76.2</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>6.9</u>	<u>5.5</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: \_\_\_\_\_
26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

Forecast	Achieved
_____	_____
_____	_____
_____	_____

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-317

UNIT Calvert Cliffs No. 1

DATE \_\_\_\_\_

COMPLETED BY Elaine Lotito

TELEPHONE (301)787-5363

MONTH October 1981

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>850</u>
2	<u>838</u>
3	<u>855</u>
4	<u>856</u>
5	<u>826</u>
6	<u>855</u>
7	<u>836</u>
8	<u>819</u>
9	<u>838</u>
10	<u>831</u>
11	<u>830</u>
12	<u>857</u>
13	<u>791</u>
14	<u>818</u>
15	<u>857</u>
16	<u>834</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>857</u>
18	<u>859</u>
19	<u>859</u>
20	<u>859</u>
21	<u>814</u>
22	<u>839</u>
23	<u>809</u>
24	<u>-</u>
25	<u>-</u>
26	<u>-</u>
27	<u>-</u>
28	<u>-</u>
29	<u>-</u>
30	<u>-</u>
31	<u>-</u>

## 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.

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-318

UNIT Calvert Cliffs #2

DATE \_\_\_\_\_

COMPLETED BY Elaine Lotito

TELEPHONE (301) 787-5363

MONTH October 1981

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>839</u>
2	<u>843</u>
3	<u>853</u>
4	<u>829</u>
5	<u>813</u>
6	<u>855</u>
7	<u>855</u>
8	<u>857</u>
9	<u>833</u>
10	<u>845</u>
11	<u>856</u>
12	<u>856</u>
13	<u>856</u>
14	<u>830</u>
15	<u>813</u>
16	<u>793</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>808</u>
18	<u>861</u>
19	<u>834</u>
20	<u>862</u>
21	<u>862</u>
22	<u>860</u>
23	<u>775</u>
24	<u>846</u>
25	<u>860</u>
26	<u>837</u>
27	<u>860</u>
28	<u>837</u>
29	<u>339</u>
30	<u>833</u>
31	<u>818</u>

## 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 No. 1  
 DATE  
 COMPLETED BY Elaine Lotito  
 TELEPHONE (301) 787-5363

REPORT MONTH October 1981

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
81-17	811D24	S	79.4	B	1		XX	ZZZZZZ	Repair tube leaks in No. 15 Feedwater heater.
81-18	811D27	F	113.0	A	4		CD	Valvex	Plant was already shut down for above outage. Reactor remained off line to replace seals on 11 Main Steam Isolation Valve.

<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)~~  
 4-Continuation  
 5-Load Reduction  
 9-Other

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

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

# UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October 1981

DOCKET NO. 50-318  
 UNIT NAME Calvert Cliffs No. 2  
 DATE \_\_\_\_\_  
 COMPLETED BY Elaine Lotito  
 TELEPHONE (301) 787-5363

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
									No outage or reductions.

<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 Licensee  
 Event Report (LER) File (NUREG-  
 0161)

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

November 13, 1981

REFUELING INFORMATION REQUEST

1. Name of Facility: Calvert Cliffs Nuclear Power Plant, Unit No. 2.
2. Scheduled date for next refueling shutdown: October 15, 1982.
3. Scheduled date for restart following refueling: January 5, 1982
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.

October 4, 1982

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) 584

Spent Fuel Pool is common to Units 1 and 2.

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

1358 Licensed

1028 Currently Installed

472 Licensed Addition is Planned

9. The projected date of the last refueling that can be discharged to the Spent Fuel Pool assuming the present licensed capacity.

October, 1985



SUMMARY OF UNIT 1 OPERATING EXPERIENCE - OCTOBER 1981

- 10/1 At the beginning of this reporting period Unit 1 was operating at 880 MWe with the reactor at 100% power.
- 10/2 At 0340 load was reduced to 800 MWe to investigate saltwater leakage into the main condenser. Load was increased to 880 MWe at 0800 when indications of saltwater leakage disappeared.
- 10/5 Load was reduced to 640 MWe at 0225 due to CEA 57 being misaligned greater than 15 inches from its group. The rod programmer card was replaced and CEA 57 was withdrawn back to its group at 0230. Load was increased to capacity (890 MWe) at 0700.
- 10/7 At 0300 load was reduced to 815 MWe to investigate saltwater leakage into the main condenser. Increased load to capacity (890 MWe) at 0900 after plugging 1 condenser tube.
- 10/8 At 1300 load was reduced to 810 MWe to investigate saltwater leakage into the main condenser.
- 10/9 Load was increased to 890 MWe at 0700 when indications of saltwater leakage disappeared.
- 10/11 At 0001 load was reduced to 840 MWe to investigate saltwater leakage into the main condenser. Load was increased to 885 MWe at 0215 when indications of saltwater leakage disappeared. At 1230 load was reduced to 805 MWe to investigate saltwater leakage into the main condenser. After plugging 1 condenser tube resumed full load operation (880 MWe) at 1910.
- 10/13 At 0600 load was reduced to 805 MWe to investigate saltwater leakage into the main condenser.
- 10/14 Increased load to capacity (885 MWe) at 1330 after plugging 1 condenser tube.
- 10/16 At 1200 load was reduced to 790 MWe to investigate saltwater leakage into the main condenser. Load was increased to 885 MWe at 1700 when indications of saltwater leakage disappeared.
- 10/21 At 0600 load was reduced to 780 MWe to investigate saltwater leakage into the main condenser. Increased load to capacity (895 MWe) at 1730 after plugging 1 condenser tube.
- 10/22 Commenced reducing load as required by the Technical Specifications at 1630 when it was discovered that the failure mode of the containment isolation valve on component cooling supply to the containment was incorrect. Modifications were completed at 2000 and load was increased to capacity (895 MWe) at 2205.
- 10/24 The unit was taken off the line at 0035 as scheduled to repair tube leaks in 15B Feedwater Heater. The Reactor was shutdown at 0040.

November 13, 1981

REFUELING INFORMATION REQUEST

1. Name of Facility: Calvert Cliffs Nuclear Power Plant, Unit No. 1
2. Scheduled date for next Refueling Shutdown: April 16, 1982
3. Scheduled date for restart following refueling: June 30, 1982
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.

March 29, 1982

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) 584

Spent Fuel Pools are common to Units 1 and 2

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

1358 Licensed

1028 Currently Installed

472 Licensed Addition is Planned

9. The projected date of the last refueling that can be discharged to the Spent Fuel Pool assuming the present licensed capacity.

October, 1983

10/27 The outage was extended to replace seals on 11 Main Steam Isolation Valve Hydraulic Actuator.

10/31 At the end of this reporting period, Unit 1 was shutdown for replacement of seals on 11 Main Steam Isolation Valve Hydraulic Actuator.

SUMMARY OF UNIT 2 OPERATING EXPERIENCE - OCTOBER 1981

- 10/1 At the beginning of this reporting period Unit 2 was operating at 860 MWe with the reactor at 100% power.
- 10/4 At 1845 load was reduced to 785 MWe to investigate saltwater leakage into the main condenser.
- 10/5 After plugging 1 condenser tube resumed full load operation (885 MWe) at 1000.
- 10/9 At 2017 load was reduced to 770 MWe to investigate saltwater leakage into the main condenser.
- 10/10 Increased load to capacity (880 MWe) at 0305 after plugging 1 condenser tube.
- 10/14 At 1530 load was reduced to 795 MWe to investigate saltwater leakage into the main condenser. Load was increased to 890 MWe at 2230 when indications of saltwater leakage disappeared.
- 10/15 At 1700 load was reduced to 765 MWe to investigate saltwater leakage into the main condenser.
- 10/16 After plugging 2 condenser tubes resumed full load operation (890 MWe) at 1445.
- 10/17 At 0720 load was decreased to 785 MWe for scheduled maintenance on the Amertap system. Load was increased to capacity (880 MWe) at 1840. Located and plugged 1 leaking condenser tube.
- 10/19 At 0145 load was reduced to 800 MWe to investigate saltwater leakage into the main condenser. Load was increased to 885 MWe at 0745 when indications of saltwater leakage disappeared.
- 10/23 At 0700 load was reduced to 780 MWe to investigate saltwater leakage into the main condenser.
- 10/24 Increased load to capacity (885 MWe) at 0230 after plugging 1 condenser tube.
- 10/25 At 0001 load was reduced to 765 MWe to investigate saltwater leakage into the main condenser. Load was increased to 890 MWe at 1240 when indications of saltwater leakage disappeared.
- 10/27 At 1830 load was reduced to 780 MWe to investigate saltwater leakage into the main condenser.
- 10/28 Load was increased to 885 MWe at 0130 when indications of saltwater leakage disappeared. At 0430 load was reduced to 795 MWe to investigate saltwater leakage into the main condenser. Load was increased to 888 MWe at 1000 when indications of saltwater leakage disappeared.
- 10/29 At 2015 load was reduced to 800 MWe to investigate saltwater leakage into the main condenser.

10/30 After plugging 1 condenser tube resumed full load operation (885 MWe) at 0700.

10/31 At 0600 load was reduced to 740 MWe to investigate saltwater leakage into the main condenser. Load was increased to 895 MWe at 1400 when indications of saltwater leakage disappeared. At the end of this reporting period Unit 2 was operating at 895 MWe with the reactor at 100% power.