

# OPERATING DATA REPORT

DOCKET NO. 50-317  
 DATE 9/14/82  
 COMPLETED BY Elaine Lotito  
 TELEPHONE (301) 787-5363

## OPERATING STATUS

1. Unit Name: Calvert Cliffs #1
2. Reporting Period: August 1982
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

Notes

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

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	744.0	5,831.0	64,140.0
12. Number Of Hours Reactor Was Critical	600.6	3,798.7	50,398.4
13. Reactor Reserve Shutdown Hours	0.0	3.1	1,795.5
14. Hours Generator On-Line	580.8	3,753.0	49,354.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,499,914	9,692,290	119,611,768
17. Gross Electrical Energy Generated (MWH)	487,641	3,229,961	39,223,958
18. Net Electrical Energy Generated (MWH)	463,123	3,083,987	37,386,020
19. Unit Service Factor	78.1	64.4	77.0
20. Unit Availability Factor	78.1	64.4	77.0
21. Unit Capacity Factor (Using MDC Net)	75.5	64.1	71.9
22. Unit Capacity Factor (Using DER Net)	73.7	62.6	69.0
23. Unit Forced Outage Rate	12.4	2.4	8.4
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 9/14/82  
 COMPLETED BY Elaine Lotito  
 TELEPHONE (301) 787-5363

## OPERATING STATUS

1. Unit Name: Calvert Cliffs #2
2. Reporting Period: August 1982
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	744.0	5,831.0	47,495.0
12. Number Of Hours Reactor Was Critical	684.3	5,450.1	41,081.1
13. Reactor Reserve Shutdown Hours	59.7	81.0	795.2
14. Hours Generator On-Line	683.2	5,416.7	40,461.1
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,381,140	13,607,575	99,652,131
17. Gross Electrical Energy Generated (MWH)	423,246	4,428,985	32,844,388
18. Net Electrical Energy Generated (MWH)	397,553	4,236,204	31,322,015
19. Unit Service Factor	91.8	92.9	85.2
20. Unit Availability Factor	91.8	92.9	85.2
21. Unit Capacity Factor (Using MDC Net)	64.8	88.1	80.6
22. Unit Capacity Factor (Using DER Net)	63.2	86.0	78.0
23. Unit Forced Outage Rate	8.2	7.1	5.6

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
No. 2 scheduled for refueling, unit general inspection & retube condenser from 10/17/82 until 1/30/83.

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	_____	_____

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-317

UNIT Calvert Cliffs #1

DATE 9/14/82

COMPLETED BY Elaine Lotito

TELEPHONE (301) 787-5363

MONTH August 1982

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>825</u>
2	<u>840</u>
3	<u>838</u>
4	<u>639</u>
5	<u>-</u>
6	<u>479</u>
7	<u>827</u>
8	<u>828</u>
9	<u>826</u>
10	<u>834</u>
11	<u>834</u>
12	<u>830</u>
13	<u>805</u>
14	<u>-</u>
15	<u>-</u>
16	<u>-</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	<u>290</u>
18	<u>834</u>
19	<u>835</u>
20	<u>823</u>
21	<u>-</u>
22	<u>-</u>
23	<u>461</u>
24	<u>832</u>
25	<u>839</u>
26	<u>844</u>
27	<u>614</u>
28	<u>842</u>
29	<u>848</u>
30	<u>847</u>
31	<u>846</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 #1

DATE 9/14/82

COMPLETED BY Elaine Lotito

TELEPHONE (301) 787-5363

MONTH August 1982

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>636</u>
2	<u>638</u>
3	<u>634</u>
4	<u>626</u>
5	<u>347</u>
6	<u>316</u>
7	<u>581</u>
8	<u>597</u>
9	<u>579</u>
10	<u>578</u>
11	<u>589</u>
12	<u>588</u>
13	<u>574</u>
14	<u>576</u>
15	<u>573</u>
16	<u>579</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>580</u>
18	<u>589</u>
19	<u>590</u>
20	<u>607</u>
21	<u>633</u>
22	<u>639</u>
23	<u>343</u>
24	<u>-</u>
25	<u>-</u>
26	<u>477</u>
27	<u>844</u>
28	<u>639</u>
29	<u>616</u>
30	<u>627</u>
31	<u>658</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 #1

DATE 9/14/82

COMPLETED BY Elaine Lotito

TELEPHONE (301) 787-5363

REPORT MONTH August 1982

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
82-04	080482	F	28.5	A	3		WA	INSTRU	Tripped due to an undervoltage spike on reactor bus.
82-05	081482	S	80.9	B	1		CB	ZZZZZZ	Repair reactor coolant system leak.
82-06	082182	F	44.9	A	1		XX	Pump XX	Repair leaking upper seal pressure sensing line on 12B reactor coolant pump.
82-07	082282	F	8.9	G	3		XX	ZZZZZZ	Tripped on low steam generator level due to loading the main turbine too rapidly.

<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-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 August 1982

DOCKET NO. 50-318  
 UNIT NAME Calvert Cliffs #2  
 DATE 9/14/82  
 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
82-08	082382	F	60.8	A	3		HJ	Pump XX	Tripped due to loss of high pressure oil pressure on #22 steam generator feed pump.
								Note:	No. 2 unit has been reduced to various load levels almost the entire month due to condenser tube leaks.

<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-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

September 3, 1982

REFUELING INFORMATION REQUEST

1. Name of Facility: Calvert Cliffs Nuclear Power Plant, Unit No. 1
2. Scheduled date for next Refueling Shutdown: October 1, 1983
3. Scheduled date for restart following refueling: December 11, 1983
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.

June 29, 1983

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) 656

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.

1830 Licensed

1358 Currently Installed

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



September 3, 1982

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) 656

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.

1830 Licensed

1358 Currently Installed

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



SUMMARY OF UNIT 1 OPERATING EXPERIENCE - AUGUST 1982

- 8/1 At the beginning of this reporting period Unit 1 was operating at 835 MWe with the reactor at 97% power conducting variable Tave testing. Load was increased to capacity (875 MWe) at 2100.
- 8/4 At 1828 the reactor tripped due to an undervoltage spike on the reactor trip bus. This electrical perturbation was caused by the opening of the electrical disconnect switch to 13 service water pump while still energized.
- 8/5 The reactor was brought critical at 2003 and the unit paralleled at 2302.
- 8/6 Resumed full load operation (860 MWe) at 1900.
- 8/14 The unit was taken off the line at 0107 due to excessive RCS leakage.
- 8/27 The reactor was brought critical at 0355 and the unit paralleled at 0959. Load was increased to capacity (865 MWe) at 2100.
- 8/21 The unit was taken off the line at 0130 to repair a leaking upper seal pressure sensing line on 12B Reactor Coolant Pump.
- 8/22 The reactor was brought critical at 1815 and the unit paralleled at 2225. At 2237 the reactor tripped on low steam generator level due to loading the main turbine too rapidly.
- 8/23 The reactor was brought critical at 0100 and the unit paralleled at 0730. Resumed full load operation (860 MWe) at 2100.
- 8/31 At the end of this reporting period Unit 1 was operating at 875 MWe with the reactor at 100% power.

SUMMARY OF UNIT 2 OPERATING EXPERIENCE - AUGUST 1982

- 8/1 At the beginning of this reporting period Unit 2 was operating at 680 MWe with the reactor at 80% power while investigating saltwater leakage into the main condenser.
- 8/5 Decreased load to 270 MWe at 1200 to allow two circulating water pumps to be shutdown for saltwater leak investigation.
- 8/7 Load was increased to 640 MWe at 0900.
- 8/8 Decreased load to 550 MWe at 1500 due to increasing circulating water T.
- 8/9 Increased load to 620 MWe at 0001.
- 8/20 Load was increased to 660 MWe at 2130.
- 8/23 At 1342 the reactor tripped on low steam generator level due to loss of high pressure oil pressure on 22 steam generator feed pump. Startup was delayed for repair of leaking reactor hot leg sample valve.
- 8/25 The reactor was brought critical at 2120.
- 8/26 The unit was paralleled at 0230. Load was increased to 660 MWe at 1300. Continuing to investigate saltwater leakage into the main condenser.
- 8/31 Plugged 328 leaking condenser tubes this month. At the end of this reporting period Unit 2 was operating at 675 MWe with the reactor at 81% power while investigating saltwater leakage into the main condenser.