

OPERATING DATA REPORT

DOCKET NO. 50-317
 DATE 3/11/81
 COMPLETED BY Elaine Lotito
 TELEPHONE 301-787-5363

OPERATING STATUS

1. Unit Name: Calvert Cliffs No. 1
2. Reporting Period: February, 1981
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): 845
7. Maximum Dependable Capacity (Net MWe): 810
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	672.0	1,416.0	50,965.0
12. Number Of Hours Reactor Was Critical	672.0	1,178.0	40,114.7
13. Reactor Reserve Shutdown Hours	0.0	229.9	1,494.0
14. Hours Generator On-Line	672.0	1,145.1	39,197.8
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,775,532	2,858,849	93,425,641
17. Gross Electrical Energy Generated (MWH)	599,020	963,633	30,557,866
18. Net Electrical Energy Generated (MWH)	575,045	920,024	29,103,187
19. Unit Service Factor	100.0	80.9	76.9
20. Unit Availability Factor	100.0	80.9	76.9
21. Unit Capacity Factor (Using MDC Net)	105.6	80.2	70.8
22. Unit Capacity Factor (Using DER Net)	101.3	76.9	67.6
23. Unit Forced Outage Rate	0.0	19.1	8.8

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

OPERATING DATA REPORT

DOCKET NO. 50-317
 DATE 4/15/81
 COMPLETED BY E.M. Lotito
 TELEPHONE 301-787-5363

OPERATING STATUS

1. Unit Name: Calvert Cliffs No. 1
2. Reporting Period: February, 1981
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): 845
7. Maximum Dependable Capacity (Net MWe): 810
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	672.0	1,416.0	50,965.0
12. Number Of Hours Reactor Was Critical	672.0	1,178.0	40,114.7
13. Reactor Reserve Shutdown Hours	0.0	229.9	1,494.0
14. Hours Generator On-Line	672.0	1,145.1	39,197.8
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,775,532	2,858,849	93,425,641
17. Gross Electrical Energy Generated (MWH)	599,020	963,633	30,557,866
18. Net Electrical Energy Generated (MWH)	575,045	920,024	29,112,272
19. Unit Service Factor	100.0	80.9	76.9
20. Unit Availability Factor	100.0	80.9	76.9
21. Unit Capacity Factor (Using MDC Net)	105.6	80.2	70.8
22. Unit Capacity Factor (Using DER Net)	101.3	76.9	67.6
23. Unit Forced Outage Rate	0.0	19.1	8.8
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 3/11/81
 COMPLETED BY Elaine Lotito
 TELEPHONE 301-787-5363

OPERATING STATUS

1. Unit Name: Calvert Cliffs No. 2
2. Reporting Period: February 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:

see Revision →

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	672.0	1,416.0	34,320.0
12. Number Of Hours Reactor Was Critical	0.0	400.3	28,820.1
13. Reactor Reserve Shutdown Hours	0.0	0.0	441.8
14. Hours Generator On-Line	0.0	399.3	28,436.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	-	589,306	69,340,937
17. Gross Electrical Energy Generated (MWH)	-	193,998	22,922,965
18. Net Electrical Energy Generated (MWH)	-2,959	175,201	21,845,175
19. Unit Service Factor	0.0	28.2	82.9
20. Unit Availability Factor	0.0	28.2	82.9
21. Unit Capacity Factor (Using MDC Net)	0.0	15.0	77.7
22. Unit Capacity Factor (Using DER Net)	0.0	14.6	75.3
23. Unit Forced Outage Rate	0.0	0.0	5.2
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: 4/13/81
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 4/15/81
 COMPLETED BY E.M. Lotito
 TELEPHONE 301-787-5363

OPERATING STATUS

1. Unit Name: Calvert Cliffs No. 2
 2. Reporting Period: February, 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	672.0	1,416.0	34,320.0
12. Number Of Hours Reactor Was Critical	0.0	400.3	28,820.1
13. Reactor Reserve Shutdown Hours	0.0	0.0	441.8
14. Hours Generator On-Line	0.0	399.3	28,436.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	-	589,306	69,340,937
17. Gross Electrical Energy Generated (MWH)	-	193,998	22,922,965
18. Net Electrical Energy Generated (MWH)	0	178,160	21,848,134
19. Unit Service Factor	0.0	28.2	82.9
20. Unit Availability Factor	0.0	28.2	82.9
21. Unit Capacity Factor (Using MDC Net)	0.0	15.2	78.1
22. Unit Capacity Factor (Using DER Net)	0.0	14.9	75.3
23. Unit Forced Outage Rate	0.0	0.0	5.2
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: 4/13/81
 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 3/11/81

COMPLETED BY Elaine Lotito

TELEPHONE 301-787-5363

MONTH February, 1981

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	833
2	869
3	869
4	870
5	869
6	873
7	874
8	822
9	875
10	865
11	751
12	762
13	869
14	843
15	853
16	871

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	873
18	872
19	872
20	872
21	760
22	812
23	871
24	872
25	871
26	871
27	871
28	871
29	
30	
31	

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 No.2

DATE 3/11/81

COMPLETED BY Elaine Lotito

TELEPHONE 301-767-5363

MONTH February, 1981

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	_____
2	_____
3	_____
4	_____
5	_____
6	_____
7	_____
8	_____
9	_____
10	_____
11	_____
12	_____
13	_____
14	_____
15	_____
16	_____

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	_____
18	_____
19	_____
20	_____
21	_____
22	_____
23	_____
24	_____
25	_____
26	_____
27	_____
28	_____
29	_____
30	_____
31	_____

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

REPORT MONTH February, 1981

DOCKET NO. 50-317
 UNIT NAME Calvert Cliffs No.1
 DATE 3/11/81
 COMPLETED BY Elaine Lotito
 TELEPHONE 301-787-5363

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
									No Outages or Reductions

¹
 F: Forced
 S: Scheduled

²
 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)

³
 Method:
 1-Manual
 2-Manual Scram.
 3-Automatic Scram.
 4-Other (Explain)

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

⁵
 Exhibit I - Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH February, 1981

DOCKET NO. 50-318
 UNIT NAME Calvert Cliffs No. 2
 DATE 3/11/81
 COMPLETED BY Elaine Lotito
 TELEPHONE 301-787-5363

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
81-01	810117	S	672.0	C	5		XX	ZZZZZZ	Refueling, Unit General Inspection and TMI Modifications.

¹
 F: Forced
 S: Scheduled

²
 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)

³
 Method:
 1-Manual
 2-Manual Scram.
 3-Automatic Scram.
 4-Other (Explain) Load Reduction
 5 - continuation
 9 - other

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

⁵
 Exhibit I - Same Source

(9/77)

March 3, 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: May 29, 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.

February 26, 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, 1985

*Information changed since last report.

March 3, 1981

REFUELING INFORMATION REQUEST

1. Name of Facility: Calvert Cliffs Nuclear Power Plant, Unit No. 2.
2. Scheduled date for next refueling shutdown: September, 18, 1982.*
3. Scheduled date for restart following refueling: October 30, 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.

July 30, 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 & 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

*Information changed since last report.

SUMMARY OF UNIT 1 OPERATING EXPERIENCE - FEBRUARY 1981

- 2/1 At the beginning of reporting period Unit 1 was operating at 700 MWe with the reactor at 77% power, while testing main turbine control valves. Load was increased to capacity (905 MWe) at 0900.
- 2/8 At 0540 load was reduced to 750 MWe to investigate saltwater leakage into the main condenser. After plugging 1 condenser tube resumed full load operation (905 MWe) at 1600.
- 2/10 At 2355 load was reduced to 780 MWe to investigate saltwater leakage into the main condenser.
- 2/12 Located and plugged 1 leaking condenser tube. Load was further reduced to 720 MWe due to loss of the plant computer. Resumed full load operation (900 MWe) at 1600.
- 2/13 Reduced load to 890 MWe at 1030 due to the letdown relief valve lifting. Load was increased to capacity (905 MWe) at 1200.
- 2/14 At 1030 load was reduced to 800 MWe to investigate saltwater leakage into the main condenser. Load was increased to 905 MWe at 2100 when indications of saltwater leakage disappeared.

SUMMARY OF UNIT 1 OPERATING EXPERIENCE - FEBRUARY 1981 CON'T

- 2/15 Operating at reduced load (900 MWe) at 1000 while testing main turbine control valves. Resumed full load operation (905 MWe) at 1000.
- 2/21 At 0600 load was reduced to 755 MWe to investigate saltwater leakage into the main condenser.
- 2/22 Load was increased to 905 MWe at 0030 when indications of saltwater leakage disappeared.
- 2/28 Started reducing load at 2315 to test main turbine control valves. At the end of this reporting period load was being reduced to 745 MWe for control valve testing.

SUMMARY OF UNIT 2 OPERATING EXPERIENCE - FEBRUARY 1981

- 2/1 At the beginning of this reporting period, Unit 2 was shutdown for its 3rd scheduled refueling outage.
- 2/28 At the end of this reporting period, Unit 2 remained shutdown for its third scheduled refueling outage.