

OPERATING DATA REPORT

DOCKET NO 50-317
 DATE 8/17/82
 COMPLETED BY Elaine Lotito
 TELEPHONE (301) 787-5363

OPERATING STATUS

1. Unit Name: Calvert Cliffs No. 1
2. Reporting Period: July, 1982
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. 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	5,087.0	63,396.0
12. Number Of Hours Reactor Was Critical	648.0	3,198.1	49,797.8
13. Reactor Reserve Shutdown Hours	3.1	3.1	1,795.5
14. Hours Generator On-Line	624.8	3,172.2	48,773.9
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,456,409	8,192,376	118,111,854
17. Gross Electrical Energy Generated (MWH)	467,882	2,742,320	38,736,317
18. Net Electrical Energy Generated (MWH)	441,937	2,620,864	36,922,897
19. Unit Service Factor	84.0	62.4	76.9
20. Unit Availability Factor	84.0	62.4	76.9
21. Unit Capacity Factor (Using MDC Net)	72.0	62.4	71.9
22. Unit Capacity Factor (Using DER Net)	70.3	61.0	68.9
23. Unit Forced Outage Rate	1.6	0.3	8.3

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
 No. 1 plant was on a planned outage from 4/17/82 until 7/5/82 for refueling, unit general inspection and to retube condenser.

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. 50-318
 DATE 8/17/82
 COMPLETED BY Elaine Lotito
 TELEPHONE (301) 787-5363

OPERATING STATUS

1. Unit Name: Calvert Cliffs No. 2
2. Reporting Period: July, 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	5,087.0	46,751.0
12. Number Of Hours Reactor Was Critical	732.1	4,765.8	40,333.8
13. Reactor Reserve Shutdown Hours	11.9	21.3	735.5
14. Hours Generator On-Line	722.3	4,733.5	39,777.9
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,665,324	12,226,435	98,270,991
17. Gross Electrical Energy Generated (MWH)	518,213	4,005,739	32,421,142
18. Net Electrical Energy Generated (MWH)	491,894	3,838,651	30,924,462
19. Unit Service Factor	97.1	93.1	85.1
20. Unit Availability Factor	97.1	93.1	85.1
21. Unit Capacity Factor (Using MDC Net)	80.1	91.5	80.9
22. Unit Capacity Factor (Using DER Net)	78.2	89.3	78.3
23. Unit Forced Outage Rate	2.9	6.9	5.6

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
No. 2 scheduled for refueling, unit general inspection and 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 8/17/82
 COMPLETED BY Elaine Lotito
 TELEPHONE (301) 787-5363

MONTH July 1982

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	-	17	820
2	-	18	845
3	-	19	847
4	-	20	845
5	-	21	842
6	223	22	842
7	357	23	843
8	356	24	844
9	368	25	776
10	595	26	794
11	456	27	841
12	694	28	837
13	692	29	837
14	696	30	843
15	798	31	824
16	817		

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 8/17/82

COMPLETED BY Elaine Lotito

TELEPHONE (301) 787-5363

MONTH July 1982

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	741	17	669
2	747	18	696
3	789	19	684
4	823	20	656
5	771	21	637
6	775	22	664
7	802	23	655
8	830	24	653
9	827	25	649
10	748	26	652
11	677	27	654
12	681	28	650
13	685	29	650
14	387	30	388
15	152	31	445
16	680		

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 8/17/82
 COMPLETED BY Elaine Lorito
 TELEPHONE (301) 787-5363

REPORT MONTH July 1982

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
82-01	820417	S	109.0	C	4		XX	Fuel XX	Refueling, unit general inspection and condenser retubing.
82-02	820705	F	5.6	A	3		XX	Pump XX	Reactor tripped on high steam generator level due to loss of #11 feed pump.
82-03	820711	F	4.6	A	3		XX	ZZZZZ	Tripped while conducting power to load unbalance test.

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-Continuation
 5-Load Reduction
 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

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July 1982

DOCKET NO. 50-318
 UNIT NAME Calvert Cliffs #2
 DATE 8/17/82
 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
82-08	820714	F	21.7	A	3		XX	ZZZZZ NOTE:	Failure of the signal integrator that supplied the speed control on both main feed pumps. No. 2 unit has been reduced to various load levels almost the entire month due to condenser tube leaks.

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-Continuation
 5-Load Reduction
 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

August 17, 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

*Information changed since last report.

August 17, 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

*Information changed since last report.

SUMMARY OF UNIT 1 OPERATING EXPERIENCE - JULY 1982

- 7/1 At the beginning of this reporting period Unit 1 was critical with low power physics testing in progress.
- 7/5 The unit was paralleled at 1300. The reactor tripped on high steam generator level while attempting to recover from the loss of 11 main feedwater pump. The reactor was brought critical at 2050 and the unit paralleled at 2235. Commenced escalation to power testing. Located and plugged 2 leaking condenser tubes.
- 7/6 At 1645 load was increased to 380 MWe.
- 7/9 At 2150 commenced increasing power to 85% not exceeding 3% per hour.
- 7/11 The reactor tripped at 0237 from 84% power while conducting power to load unbalance test. The reactor was brought critical at 0542 and the unit paralleled at 0713.
- 7/12 Load was increased to 735 MWe at 1530.
- 7/14 Load was increased to 790 MWe at 2315.
- 7/16 Load was increased to 860 MWe at 0001.
- 7/18 Load was increased to capacity (880 MWe) at 1115.
- 7/25 Decreased load to 680 MWe at 1630 to repair 12 heater drain tank normal level control valve.
- 7/26 Resumed full load operation (870 MWe) at 1030.
- 7/31 Decreased load to 835 MWe at 0100 for variable T_{ave} testing. At the end of this reporting period Unit 1 was operating at 835 MWe with the reactor at 97% power, conducting variable T_{ave} testing.

SUMMARY OF UNIT 2 OPERATING EXPERIENCE - JULY 1982

- 7/1 At the beginning of this reporting period Unit 2 was operating at 860 MWe with the reactor at 100% power. At 1210 load was reduced to 710 MWe to investigate saltwater leakage into the main condenser.
- 7/2 After plugging 1 condenser tube resumed full load operation (860 MWe) at 1700.
- 7/3 At 1400 load was reduced to 740 MWe to investigate saltwater leakage into the main condenser. Load was increased to 860 MWe at 2130 when indications of saltwater leakage disappeared.
- 7/5 At 1245 load was reduced to 710 MWe to investigate saltwater leakage into the main condenser. Increased load to capacity (860 MWe) at 2351 after plugging 2 condenser tubes.
- 7/6 At 1645 load was reduced to 720 MWe to investigate saltwater leakage into the main condenser.
- 7/7 After plugging 1 condenser tube resumed full load operation (865 MWe) at 0745.
- 7/10 At 1250 load was reduced to 705 MWe to investigate saltwater leakage into the main condenser.
- 7/11 Located and plugged 5 leaking condenser tubes.
- 7/12 Located and plugged 4 leaking condenser tubes.
- 7/13 Located and plugged 3 leaking condenser tubes.
- 7/14 Located and plugged 2 leaking condenser tubes. The reactor tripped on low steam generator level at 1352 due to failure of the signal integrator that supplies the speed control units on both main feed pumps.
- 7/15 The reactor was brought critical at 0145 and the unit paralleled at 1134. Commenced increasing load. At 1300 load was limited to 200 MWe awaiting steam generator sodium levels to decrease to acceptable levels. Commenced increasing power to 85% at 1800.

SUMMARY OF UNIT 2 OPERATING EXPERIENCE JULY 1982 (CONTINUED)

- 7/16 Load limited to 700 MWe at 0001 to investigate saltwater leakage into the main condenser. Located and plugged 3 leaking condenser tubes.
- 7/17 Located and plugged 5 leaking condenser tubes.
- 7/18 Located and plugged 2 leaking condenser tubes.
- 7/19 Located and plugged 2 leaking condenser tubes. Load was increased to 760 MWe at 2000 when indications of saltwater leakage into the main condenser returned.
- 7/20 Decreased load to 695 MWe at 0030 to investigate. Load was further reduced to 650 MWe at 1350 due to loss of saltwater flow to both service water heat exchangers when a butterfly valve in the common discharge failed shut. The saltwater system was realigned to discharge through the emergency overboard. Commenced increasing load at 1400.
- 7/21 At 0001 load was limited to 680 MWe to investigate saltwater leakage into the main condenser. Located and plugged 4 leaking condenser tubes.
- 7/22 Load was increased to 760 MWe at 0300 when temperature problems resulting from the inoperable saltwater header necessitated holding at that load. At 0500 load was reduced to 700 MWe to investigate saltwater leakage into the main condenser and for repairs to 24 circulating water pump wear ring. Located and plugged 1 leaking condenser tube.
- 7/23 Located and plugged 2 leaking condenser tubes.
- 7/24 Located and plugged 5 leaking condenser tubes.
- 7/25 Located and plugged 5 leaking condenser tubes.
- 7/26 Located and plugged 5 leaking condenser tubes.
- 7/27 Located and plugged 4 leaking condenser tubes.

SUMMARY OF UNIT 2 OPERATING EXPERIENCE - JULY 1982 (CONTINUED)

- 7/28 Located and plugged 5 leaking condenser tubes.
- 7/29 Located and plugged 8 leaking condenser tubes.
- 7/30 Decreased load to 300 MWe at 1000 to investigate saltwater leakage in 3 water boxes. Located and plugged 16 leaking condenser tubes.
- 7/31 Increased load to 680 MWe at 1700 after returning 2 circulating water pumps to service. Located and plugged 15 leaking condenser tubes. At the end 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.

OPERATING DATA REPORT

DOCKET NO. 50-317
 DATE 8/17/82
 COMPLETED BY Elaine Lotito
 TELEPHONE (301) 787-5363

OPERATING STATUS

1. Unit Name: Calvert Cliffs No. 1
2. Reporting Period: June 1982
3. Licensed Thermal Power (MWt): _____
4. Nameplate Rating (Gross MWe): _____
5. Design Electrical Rating (Net MWe): _____
6. Maximum Dependable Capacity (Gross MWe): _____
7. Maximum Dependable Capacity (Net MWe): _____
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes
 REVISION

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	_____	_____	_____
12. Number Of Hours Reactor Was Critical	_____	_____	_____
13. Reactor Reserve Shutdown Hours	_____	_____	_____
14. Hours Generator On-Line	_____	_____	_____
15. Unit Reserve Shutdown Hours	_____	_____	_____
16. Gross Thermal Energy Generated (MWH)	_____	_____	_____
17. Gross Electrical Energy Generated (MWH)	_____	_____	_____
18. Net Electrical Energy Generated (MWH)	_____	_____	_____
19. Unit Service Factor	_____	_____	_____
20. Unit Availability Factor	_____	_____	_____
21. Unit Capacity Factor (Using MDC Net)	_____	_____	71.9
22. Unit Capacity Factor (Using DER Net)	_____	_____	_____
23. Unit Forced Outage Rate	_____	_____	_____
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. 50-318
 DATE 8/17/82
 COMPLETED BY Elaine Lotito
 TELEPHONE (301) 787-5363

OPERATING STATUS

1. Unit Name: Calvert Cliffs No. 2
2. Reporting Period: June 1982
3. Licensed Thermal Power (MWt): _____
4. Nameplate Rating (Gross MWe): _____
5. Design Electrical Rating (Net MWe): _____
6. Maximum Dependable Capacity (Gross MWe): _____
7. Maximum Dependable Capacity (Net MWe): _____
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons.

Notes
 REVISION

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	_____	_____	_____
12. Number Of Hours Reactor Was Critical	_____	_____	_____
13. Reactor Reserve Shutdown Hours	_____	_____	_____
14. Hours Generator On-Line	_____	_____	_____
15. Unit Reserve Shutdown Hours	_____	_____	_____
16. Gross Thermal Energy Generated (MWH)	_____	_____	_____
17. Gross Electrical Energy Generated (MWH)	_____	_____	_____
18. Net Electrical Energy Generated (MWH)	_____	_____	_____
19. Unit Service Factor	_____	_____	_____
20. Unit Availability Factor	_____	_____	_____
21. Unit Capacity Factor (Using MDC Net)	_____	_____	80.9
22. Unit Capacity Factor (Using DER Net)	_____	_____	_____
23. Unit Forced Outage Rate	_____	_____	_____
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 | _____ | _____ |