

OPERATING DATA REPORT

DOCKET NO. 50-317
 DATE 3/12/82
 COMPLETED BY Elaine Lotito
 TELEPHONE (301) 787-5363

OPERATING STATUS

1. Unit Name: Calvert Cliffs No. 1

2. Reporting Period: February, 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

9. Power Level To Which Restricted, If Any (Net MWe)

10. Reasons For Restrictions, If Any:

Notes

	This Month	Yr-to-Date	Cumulative
11. Hours In Reporting Period	672.0	1,416.0	59,725.0
12. Number Of Hours Reactor Was Critical	672.0	1,416.0	48,015.7
13. Reactor Reserve Shutdown Hours	0.0	0.0	1,792.4
14. Hours Generator On Line	672.0	1,416.0	47,017.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,770,991	3,744,295	113,869,760
17. Gross Electrical Energy Generated (MWH)	604,069	1,266,049	37,260,046
18. Net Electrical Energy Generated (MWH)	579,598	1,214,487	35,516,520
19. Unit Service Factor	100.0	100.0	78.7
20. Unit Availability Factor	100.0	100.0	78.7
21. Unit Capacity Factor (Using MDC Net)	104.6	104.6	73.5
22. Unit Capacity Factor (Using DER Net)	102.1	101.5	70.4
23. Unit Forced Outage Rate	0.0	0.0	8.6

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
No. 1 Plant scheduled for refueling and to retube condenser from 4/17/82 until 7/25/82.

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	_____	_____

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DOCKET NO 50-318
 DATE 3/12/82
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 TELEPHONE (301) 787-5363

OPERATING STATUS

1. Unit Name: Calvert Cliffs No. 2
2. Reporting Period: February, 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	672.0	1,416.0	43,080.0
12. Number Of Hours Reactor Was Critical	372.1	1,116.1	36,684.1
13. Reactor Reserve Shutdown Hours	9.4	9.4	723.9
14. Hours Generator On-Line	353.5	1,097.5	36,141.9
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	909,002	2,872,152	88,710,721
17. Gross Electrical Energy Generated (MWH)	303,501	955,815	29,371,218
18. Net Electrical Energy Generated (MWH)	286,396	911,586	27,997,397
19. Unit Service Factor	52.6	77.5	83.9
20. Unit Availability Factor	52.6	77.5	83.9
21. Unit Capacity Factor (Using MDC Net)	51.7	78.0	79.5
22. Unit Capacity Factor (Using DER Net)	50.4	76.2	76.9
23. Unit Forced Outage Rate	47.4	22.5	6.0
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 | _____ | _____ |

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-317
 UNIT Calvert Cliffs #1
 DATE 2/12/82
 COMPLETED BY Elaine Lotito
 TELEPHONE (301) 787-5363

MONTH February

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	868	17	867
2	869	18	867
3	871	19	867
4	870	20	868
5	870	21	841
6	870	22	866
7	870	23	865
8	870	24	864
9	871	25	865
10	826	26	865
11	870	27	860
12	868	28	786
13	867	29	
14	868	30	
15	869	31	
16	870		

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 2/12/82
 COMPLETED BY Elaine Lotito
 TELEPHONE (301) 787-5363

MONTH February

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	831	17	-
2	860	18	-
3	860	19	-
4	860	20	-
5	446	21	-
6	448	22	-
7	804	23	-
8	834	24	56
9	862	25	604
10	861	26	791
11	860	27	862
12	339	28	864
13	-	29	
14	-	30	
15	-	31	
16	-		

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 2/12/82
 COMPLETED BY Elaine Lotito
 TELEPHONE (301) 787-5363

REPORT MONTH February

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

DOCKET NO. 50-318
 UNIT NAME Calvert Cliffs #2
 DATE 2/12/82
 COMPLETED BY Elaine Lotito
 TELEPHONE (301) 767-5363

REPORT MONTH February

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	820205	F	20.8	A	1		CH	Pumpxx	Loss of #22 Main Feedwater Pump
82-02	820212	F	0.3	A	1		CH	Pumpxx	Loss of #22 Main Feedwater Pump
82-03	820212	F	251.0	A	9		RA	Conrod	Control Rod sticking at 8" withdrawn position.
82-04	820222	F	37.9	A	9		CD	Valvex	Excessive steam leakage on the Bonnet pressure seal of #22 main steam isolation valve.
82-05	820224	F	8.8	H	9		XX	ZZZZZZ	While troubleshooting the automatic control circuit on #21 feedwater regulating valve, reactor tripped on low steam generator level. (Maintenance Error)

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)

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 Exhibit I - Same Source

March 4, 1982

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.

February 15, 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.

1760 Licensed

1358 Currently Installed

70 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 and maintaining space for one full core off load.

April, 1990

March 4, 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) 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.

1760 Licensed

1358 Currently Installed

70 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 and maintaining space for one full core off load.

April, 1990

SUMMARY OF UNIT 1 OPERATING EXPERIENCE - FEBRUARY 1982

- 2/1 At the beginning of this reporting period Unit 1 was operating at 900 MWe with the reactor at 100% power.
- 2/10 At 0200 load was reduced to 830 MWe to investigate saltwater leakage into the main condenser. After plugging 2 condenser tube(s) resumed full load operation (900 MWe) at 1500.
- 2/21 Decreased load to 850 MWe at 0230 to test main turbine control valves. Load was increased to capacity (900 MWe) at 0700.
- 2/28 At 0025 load was decreased to 740 NWe to clean main condenser water boxes. Resumed full load operation (900 MWe) at 0930. At 1600 load was reduced to 805 MWe to investigate saltwater leakage into the main condenser. Located and plugged 1 leaking condenser tube. Commenced increasing load to capacity at 2300. At the end of this reporting period Unit 1 was operating at 865 MWe with the reactor at 96% power, increasing to capacity.

SUMMARY OF UNIT 2 OPERATING EXPERIENCE - FEBRUARY 1982

- 2/1 At the beginning of this reporting period Unit 2 was operating at 900 MWe with the reactor at 100% power. At 0515 load was reduced to 800 MWe to investigate saltwater leakage into the main condenser. Load was increased to 900 MWe at 1440 when indications of saltwater leakage disappeared.
- 2/5 At 1253 the reactor was manually tripped due to low steam generator level after the loss of 22 Main Feedwater Pump. The reactor was brought critical at 2203.
- 2/6 The unit was paralleled at 0925. Load was increased to capacity (900 MWe) at 1330.
- 2/7 Decreased load to 790 MWe at 0750 for scheduled maintenance on the Amertap System. Resumed full load operation (900 MWe) at 1610. At 2230 load was reduced to 770 MWe to investigate saltwater leakage into the main condenser. Located and plugged 2 leaking condenser tubes.
- 2/8 Resumed full load operation (900 MWe) at 0700.
- 2/12 The reactor was manually tripped due to low steam generator level at 1000 after loss of 22 Main Feedwater Pump. Problems with 21 Main Steam Isolation Valve, CEA-19 sticking at 8" withdrawn position, and containment purge valves failing to meet leak tightness criteria extended the forced outage.

- 2/24 The reactor was brought critical at 0840 and the unit paralleled at 1109. The reactor tripped on low steam generator level at 1712 while troubleshooting the automatic control circuit on 21 Feedwater Regulating Valve. The reactor was brought critical at 2116.
- 2/25 The unit was paralleled at 0159. Load was increased to capacity (900 MWe) at 2355.
- 2/26 Decreased load to 645 MWe at 1520 to investigate 21 Main Feedwater Pump speed oscillations. Resumed full load operation (900 MWe) at 2300.
- 2/28 At the end of this reporting period Unit 2 was operating at 900 MWe with the reactor at 100% power.

SAFETY-RELATED MAINTENANCE

UNIT OneGROUP Mechanical MaintenanceMONTH February, YEAR 1982

SYSTEM OR COMPONENT	MR NO. - DATE	MALFUNCTION		CORRECTIVE ACTION
		CAUSE	RESULT	
SU 15 1-CV-3824 #11 Comp. Cooling HX Outlet Valve	M-82-10A 2/8/82	CI Actuator Arm broken	Valve inoperable	Actuator arm re- placed with new arm (Steel)
SU 41 #13 Charging Pump	O-82-599 2/10/82	Primary Packing leak	Seal Tank overflowing	Packing cartridge replaced.
SU 83 #11 MSIV #12 HP Accumulator	M-82-135 2/2/82	Leak past O-rings and flange	Loss of pressure	Replaced O-ring and back-up ring