

OPERATING DATA REPORT

DOCKET NO. 50-317
 DATE 7/15/79
 COMPLETED BY S. D. Merson
 TELEPHONE 301-234-5240

OPERATING STATUS

1. Unit Name: Calvert Cliffs No. 1
2. Reporting Period: June, 1979
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): 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): None
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>720</u>	<u>4,343</u>	<u>36,348</u>
12. Number Of Hours Reactor Was Critical	<u>0.0</u>	<u>2,225.0</u>	<u>28,313.6</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>122.7</u>	<u>1,016.3</u>
14. Hours Generator On-Line	<u>0.0</u>	<u>2,196.8</u>	<u>27,741.8</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>0.0</u>	<u>5,502,437.2</u>	<u>66,832,641.6</u>
17. Gross Electrical Energy Generated (MWh)	<u>0.0</u>	<u>1,818,416</u>	<u>22,204,751</u>
18. Net Electrical Energy Generated (MWh)	<u>0.0</u>	<u>1,735,525</u>	<u>21,190,513</u>
19. Unit Service Factor	<u>0.0</u>	<u>50.6</u>	<u>76.3</u>
20. Unit Availability Factor	<u>0.0</u>	<u>50.6</u>	<u>76.3</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0.0</u>	<u>49.3</u>	<u>72.0</u>
22. Unit Capacity Factor (Using DER Net)	<u>0.0</u>	<u>47.3</u>	<u>69.0</u>
23. Unit Forced Outage Rate	<u>*100.0</u>	<u>20.9</u>	<u>8.9</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: July 16, 1979

26. Units In Test Status (Prior to Commercial Operation):

Forecast

Achieved

7907230274
 INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

*A forced outage of 100.0% is not indicative of the true forced outage rate for June. The plant was on a planned outage for 584 hours and due to a late return from the planned outage, the status changed to forced for the remaining 136 hours of the month. A more realistic forced (9/77) outage rate of 18.9% was calculated using forced outage hours divided by period hours.

364 328

OPERATING DATA REPORT

DOCKET NO. 50-318
 DATE 7/15/79
 COMPLETED BY S. D. Merson
 TELEPHONE 301-234-5240

OPERATING STATUS

1. Unit Name: Calvert Cliffs No. 2
2. Reporting Period: June, 1979
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): 845
7. Maximum Dependable Capacity (Net MWe): 845
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: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	720	4,343	19,763
12. Number Of Hours Reactor Was Critical	693.3	4,093.8	17,006.3
13. Reactor Reserve Shutdown Hours	26.7	47.3	266.7
14. Hours Generator On-Line	686.5	4,017.8	16,829.6
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,809,280.8	10,406,721.6	41,290,738.2
17. Gross Electrical Energy Generated (MWH)	586,350	3,477,050	13,731,122
18. Net Electrical Energy Generated (MWH)	560,301	3,326,954	13,094,983
19. Unit Service Factor	95.3	92.5	85.4
20. Unit Availability Factor	95.3	92.5	85.4
21. Unit Capacity Factor (Using MDC Net)	96.2	94.6	82.1
22. Unit Capacity Factor (Using DER Net)	92.2	90.7	78.7
23. Unit Forced Outage Rate	0.0	2.4	5.1

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

Calvert Cliffs No. 2 is scheduled for a planned outage starting October 14, 1979, and will be six weeks in duration for general inspection and refueling.

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

364 326

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-317
 UNIT Calvert Cliffs #1
 DATE 7/15/79
 COMPLETED BY S. D. Merson
 TELEPHONE 301-234-5240

MONTH June, 1979

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.

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-318

UNIT Calvert Cliffs #2

DATE 7/15/79

COMPLETED BY S. D. Merson

TELEPHONE 301-234-5240

MONTH June, 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>815</u>
2	<u>-</u>
3	<u>298</u>
4	<u>823</u>
5	<u>825</u>
6	<u>825</u>
7	<u>823</u>
8	<u>822</u>
9	<u>824</u>
10	<u>774</u>
11	<u>832</u>
12	<u>835</u>
13	<u>834</u>
14	<u>836</u>
15	<u>832</u>
16	<u>797</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>773</u>
18	<u>833</u>
19	<u>833</u>
20	<u>838</u>
21	<u>838</u>
22	<u>830</u>
23	<u>798</u>
24	<u>819</u>
25	<u>837</u>
26	<u>837</u>
27	<u>838</u>
28	<u>838</u>
29	<u>84</u>
30	<u>841</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.

(9/77)

364 328

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-317
 UNIT NAME Calvert Cliffs No. 1
 DATE 7/15/79
 COMPLETED BY S. D. Merson
 TELEPHONE 301-234-5240

REPORT MONTH June, 1979

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
79-3	790421	S	584.0	C	1	N/A	RC	FUELXX	Scheduled outage for reactor inspection and refueling and unit inspection.
79-4	790625	F	136.0	C	4	N/A	RC	FUELXX	Forced outage due to late return from previous scheduled outage.

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

(9/77)

364 328

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH June, 1979

DOCKET NO. 50-318
 UNIT NAME Calvert Cliffs No. 2
 DATE 7/15/79
 COMPLETED BY S. D. Merson
 TELEPHONE 301-234-5240

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
79-10	790602	S	33.5	B	1	N/A	HB	VALVEX	Scheduled outage to replace No. 4 governor control valve.

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

(9/77)

364 330

7/3/79

REFUELING INFORMATION REQUEST

1. Name of Facility: Calvert Cliffs Nuclear Power Plant, Unit No. 1
2. Scheduled date for next Refueling Shutdown: April 19, 1980
3. Scheduled date for restart following refueling: May 29, 1980
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 22, 1979

6. Important licensing considerations associated with refueling.

Reload fuel will be similar to that reload fuel inserted into the previous cycle.

Selected fuel assemblies will be modified by installation of sleeves in the Guide Tubes.

7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool.

(a) 217

(b) 300

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.

1056 Licensed

728 Currently Licensed

650 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

7/3/79

REFUELING INFORMATION REQUEST

1. Name of Facility: Calvert Cliffs Nuclear Power Plant, Unit 2
2. Scheduled date for next Refueling Shutdown: October 14, 1979**
3. Scheduled date for restart following refueling: November 21, 1979**
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.

August 22, 1979**

6. Important licensing considerations associated with 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) 300

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 required or is planned, in number of fuel assemblies.

1056 Licensed
728 Currently Installed
650 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

**Information has changed since last monthly report.

364 337

SUMMARY OF UNIT 1 OPERATING EXPERIENCE
JUNE 1979

- 6/1 At the beginning of this reporting period, Unit 1 was shutdown for its scheduled third refueling outage.
- 6/30 At the end of this reporting period, Unit 1 remained shutdown for its scheduled third refueling outage.

7/6/79

364 333

SUMMARY OF UNIT 2 OPERATING EXPERIENCE
JUNE 1979

- 6/1 At the beginning of this reporting period, Unit 2 was operating at 875 MWe with the Reactor at 100% power. Began decreasing load at 2200 for governor valve 4 repair. The unit was taken off the line at 0053.
- 6/3 The reactor was brought critical at 0350 and the unit paralleled at 0859. At 0920 the unit was taken off the line due to main turbine EHC system oil leak. The unit was paralleled at 1043. Full load operation (860 MWe) was resumed at 2147.
- 6/10 Load was reduced to 750 MWe at 1100 for main turbine control valve testing. Load was increased to capacity (870 MWe) at 2140.
- 6/16 Load was decreased to 750 MWe at 0100 to work on the AMERTAP system. Resumed full load operation (870 MWe) at 1130. Decreased load to 750 MWe for work on AMERTAP system at 2200.
- 6/17 Resumed full load operation (870 MWe) at 1435.
- 6/23 Decreased load to 750 MWe at 0100 for work on the AMERTAP system. Increased load to capacity (870 MWe) at 1000.
- 6/24 Load was decreased to 760 MWe at 0100 for AMERTAP system work. Resumed full load operation (875 MWe) at 0600.
- 6/30 At the end of this reporting period, Unit 2 was operating at 880 MWe with the reactor at 100% power.

7/6/79

364 334

SAFETY-RELATED MAINTENANCE

UNIT I

GROUP I & C

MONTH	June	YEAR	1979
-------	------	------	------

[illegible]

364 375

SAFETY-RELATED MAINTENANCE

UNIT IGROUP MAINTENANCEMONTH June YEAR 1979

SYSTEM OR COMPONENT	MR NO. - DATE	MALFUNCTION		CORRECTIVE ACTION
		CAUSE	RESULT	
1-RV-325 #12 Charging Pump Discharge Relief Valve	M-79-156 1/31/79	Abrasive particles in lifting medium and cyclic wear	Scratches on relief valve disc.	Replaced valve disc.
#12 Aux. Feed Water Pump Turbine Trip Valve	O-78-4008 12/3/78	Valve cage wedged into seat	Valve would not close completely when tripped	Disassembled valve- removed and corrected bent cage-re- assembled.
Steam Separator #11 Steam Generator	M-79-260 5/1/79	Separator clamp was not installed properly	Loose steam separator	Replaced steam separator clamp
#11 Salt Water Pump	M-78-407 7/11/78	Corrosion of pump shaft sleeve, stuffing box, and bearings	Excessive packing leakage, improper shaft runout.	Replaced shaft sleeve, shaft, bearings, cleaned and applied corro- sion resistant "belzona" product to damaged surfaces.

364 336