

OPERATING DATA REPORT

DOCKET NO. 50-317
DATE 4/14/81
COMPLETED BY Elaine M. Lotito
TELEPHONE 301-787-5363

OPERATING STATUS

1. Unit Name: CALVERT CLIFFS NO. 1
2. Reporting Period: MARCH, 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	744	2,160	51,709
12. Number Of Hours Reactor Was Critical	736.0	1,914.0	40,850.7
13. Reactor Reserve Shutdown Hours	0.0	229.9	1,494.0
14. Hours Generator On-Line	727.7	1,872.8	39,935.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,929,034	4,787,883	95,354,675
17. Gross Electrical Energy Generated (MWH)	648,104	1,611,737	31,205,970
18. Net Electrical Energy Generated (MWH)	621,007	1,541,031	29,724,194
19. Unit Service Factor	97.8	86.7	77.2
20. Unit Availability Factor	97.8	86.7	77.2
21. Unit Capacity Factor (Using MDC Net)	103.1	88.1	71.3
22. Unit Capacity Factor (Using DER Net)	98.8	84.4	68.0
23. Unit Forced Outage Rate	2.2	13.3	8.7
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

ON

6204150413 810414
PDR ADOCK 05000317
R PDR

(9/77)

OPERATING DATA REPORT

DOCKET NO. 50-318
DATE 4/14/81
COMPLETED BY Elaine M. Lotito
TELEPHONE 301-787-5363

OPERATING STATUS

1. Unit Name: CALVERT CLIFFS NO. 2
2. Reporting Period: MARCH, 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	744	2,160	35,064
12. Number Of Hours Reactor Was Critical	471.3	871.6	29,291.4
13. Reactor Reserve Shutdown Hours	0.5	0.5	442.3
14. Hours Generator On-Line	429.0	828.3	28,865.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	947,938	1,537,244	70,288,875
17. Gross Electrical Energy Generated (MWH)	311,388	505,386	23,234,353
18. Net Electrical Energy Generated (MWH)	290,889	466,090	22,136,064
19. Unit Service Factor	57.7	38.3	82.3
20. Unit Availability Factor	57.7	38.3	82.3
21. Unit Capacity Factor (Using MDC Net)	47.4	26.2	77.4
22. Unit Capacity Factor (Using DER Net)	46.3	25.5	74.7
23. Unit Forced Outage Rate	2.1	1.1	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:
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 4/14/81
 COMPLETED BY Elaine M. Lotito
 TELEPHONE 301-787-5363

MONTH March, 1981

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>849</u>
2	<u>872</u>
3	<u>871</u>
4	<u>870</u>
5	<u>871</u>
6	<u>871</u>
7	<u>865</u>
8	<u>868</u>
9	<u>869</u>
10	<u>868</u>
11	<u>867</u>
12	<u>864</u>
13	<u>782</u>
14	<u>160</u>
15	<u>858</u>
16	<u>866</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>864</u>
18	<u>831</u>
19	<u>867</u>
20	<u>867</u>
21	<u>823</u>
22	<u>867</u>
23	<u>837</u>
24	<u>837</u>
25	<u>863</u>
26	<u>839</u>
27	<u>869</u>
28	<u>870</u>
29	<u>870</u>
30	<u>869</u>
31	<u>826</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 NO.
 DATE 4/14/81
 COMPLETED BY Elaine M. Lotito
 TELEPHONE 301-787-5363

MONTH MARCH, 1981

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	155
14	378
15	67
16	343

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	356
18	369
19	523
20	772
21	830
22	831
23	861
24	854
25	855
26	851
27	840
28	860
29	860
30	858
31	860

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 MARCH, 1981

DOCKET NO. 50-317
 UNIT NAME Calvert Cliffs No. 1
 DATE 4/14/81
 COMPLETED BY Elaine M. 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
81-02	810313	F	16.3	A	3		XX	ZZZZZZ	Tripped on low steam generator level when #12 feedwater regulating valve failed shut due to controller problems.

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 MARCH, 1981

DOCKET NO. 50-318
 UNIT NAME Calvert Cliffs No. 2
 DATE 4/14/81
 COMPLETED BY Elaine M. 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	297.6	C	5		XX	ZZZZZZ	Refueling, Unit General Inspection and IMI modifications.
81-02	810313	F	0.3	A	3		XX	ZZZZZZ	Trip due to High Moisture Separator Reheater Level.
81-03	810315	F	4.8	A	3		XX	ZZZZZZ	Trip due to Low Steam Generator Level when #22 feedwater Regulating Valve shut.
81-04	810315	F	4.0	A	9		XX	ZZZZZZ	Plant was already off line. Pressure switch on control oil out of calibration.
81-05	810315	S	8.3	B	9		XX	ZZZZZZ	Plant was already off line. Overspeed 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-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)

April 1, 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

April 1, 1981

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: November 22, 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.

August 21, 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 - MARCH 1981

- 3/1 At the beginning of this reporting period Unit 1 was operating at 750 MWe with the reactor at 91% power, while testing Main Turbine Control Valves. Load was increased to capacity (905 MWe) at 0600.
- 3/7 Repairs to #12 Auxiliary Feedwater Pump extended past the 72 hour Tech. Spec. limit which required initiation of shutdown at 0630. Load was increased to capacity (905 MWe) at 1300 after repairs were completed on #12 Auxiliary Feedwater Pump.
- 3/13 At 1300 load was reduced to 780 MWe to investigate saltwater leakage into the main condenser. At 2318, the reactor tripped on low Steam Generator level when 12 Feedwater Regulating Valve failed shut due to controller problems.
- 3/14 The reactor was brought critical at 0720 and the unit paralleled at 1537.
- 3/15 Resumed full load operation (895 MWe) at 0630.
- 3/17 Started decreasing load at 2235 to clean main condenser water boxes.
- 3/18 Load was increased to capacity (900 MWe) at 0815.
- 3/21 At 1200 load was reduced to 765 MWe to investigate saltwater leakage into the main condenser. Load was increased to 900 MWe at 2000 when indications of saltwater leakage disappeared.
- 3/23 At 2100 load was reduced to 765 MWe to investigate saltwater leakage into the main condenser.
- 3/24 Load was increased to 900 MWe at 0630 when indications of saltwater leakage disappeared.
- 3/26 Decreased load to 770 MWe at 0100 to clean condenser water boxes. Resumed full load operation (900 MWe) at 0630.
- 3/31 At 0500 load was reduced to 780 MWe to investigate saltwater leakage into the main condenser. After plugging 1 condenser tube resumed full operation (905 MWe) at 1530. At the end of this reporting period Unit 1 was operating at 905 MWe with the reactor at 100% power.

SUMMARY OF UNIT 2 OPERATING EXPERIENCE - MARCH 1981

- 3/1 At the beginning of this reporting period, Unit 2 was shutdown for its third scheduled refueling outage. Completed filling the Reactor Coolant System (RCS) at 1341.
- 3/7 Reactor Coolant System (RCS) heatup was completed at 1853.
- 3/10 The reactor was brought critical at 1110 and commenced low power physics testing.
- 3/13 The unit was paralleled at 0935 and tripped at 0937 due to high Moisture Separator Reheater level. The unit was again paralleled at 0956. Started increasing power to 50% for physics testing. Increased load to 340 MWe at 1400.
- 3/15 The reactor tripped at 0410 on low Steam Generator level when #22 Feedwater Regulating Valve shut while performing preventive maintenance. The unit was paralleled at 2115.
- 3/16 Load was increased to 380 MWe at 0600 to complete testing at 50% power.
- 3/23 Load was increased to capacity (905 MWe) at 0200. Decreased load to 875 MWe at 2000 for removal of #26B Feedwater Heater due to tube leakage.
- 3/24 Resumed full load operation (890 MWe) at 0430.
- 3/27 At 0030 load was decreased to 790 MWe to clean condenser water boxes. Load was increased to 890 MWe at 0500.
- 3/28 Load was increased to capacity (900 MWe) at 1600.
- 3/31 At the end of this reporting period Unit 2 was operating at 900 MWe with the reactor at 100% power.