

OPERATING DATA REPORT

DOCKET NO. 50-317
 DATE 9/14/83
 COMPLETED BY Elaine Lotito
 TELEPHONE (301) 782-5363

OPERATING STATUS

1. Unit Name: Calvert Cliffs No. 1
2. Reporting Period: August 1983
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	5,831.0	72,900.0
12. Number Of Hours Reactor Was Critical	723.2	5,594.9	58,690.8
13. Reactor Reserve Shutdown Hours	18.0	29.8	1,838.3
14. Hours Generator On Line	713.5	5,563.9	57,587.8
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,873,015	14,663,150	141,333,196
17. Gross Electrical Energy Generated (MWH)	603,575	4,897,229	46,498,172
18. Net Electrical Energy Generated (MWH)	576,717	4,689,674	44,353,882
19. Unit Service Factor	95.9	95.4	79.0
20. Unit Availability Factor	95.9	95.4	79.0
21. Unit Capacity Factor (Using MDC Net)	94.0	97.5	74.8
22. Unit Capacity Factor (Using DER Net)	91.7	95.2	72.0
23. Unit Forced Outage Rate	3.0	2.4	7.5

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

No. 1 Plant scheduled for a 14 week planned outage to begin on 9/30/83 for refueling and unit general inspection.

25. If Shut Down At End Of Report Period, Estimated Date of Startup: 9/1/83
26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

Forecast	Achieved
_____	_____
_____	_____
_____	_____

8309230406 830914
 PDR ADDCK 05000317
 R PDR

IE24
 1/1 (9/77)

OPERATING DATA REPORT

DOCKET NO. 50-318
 DATE 9/14/83
 COMPLETED BY Elaine Lotito
 TELEPHONE (301) 787-5363

OPERATING STATUS

1. Unit Name: Calvert Cliffs No. 2
2. Reporting Period: August 1983
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	5,831.0	56,255.0
12. Number Of Hours Reactor Was Critical	637.7	5,320.9	47,421.8
13. Reactor Reserve Shutdown Hours	35.1	130.7	925.9
14. Hours Generator On-Line	594.8	5,120.2	46,663.1
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,543,514	13,408,388	115,629,145
17. Gross Electrical Energy Generated (MWH)	485,968	4,375,217	38,031,421
18. Net Electrical Energy Generated (MWH)	460,363	4,174,547	36,265,309
19. Unit Service Factor	80.0	87.8	83.0
20. Unit Availability Factor	80.0	87.8	83.0
21. Unit Capacity Factor (Using MDC Net)	75.0	86.8	78.7
22. Unit Capacity Factor (Using DER Net)	73.2	84.7	76.3
23. Unit Forced Outage Rate	20.0	5.2	5.4
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: 9/1/83

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 #1
DATE 9/14/83
COMPLETED BY Elaine Lotito
TELEPHONE (301) 787-5363

MONTH August 1983

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>850</u>
2	<u>850</u>
3	<u>849</u>
4	<u>843</u>
5	<u>802</u>
6	<u>847</u>
7	<u>846</u>
8	<u>845</u>
9	<u>843</u>
10	<u>837</u>
11	<u>837</u>
12	<u>839</u>
13	<u>847</u>
14	<u>835</u>
15	<u>840</u>
16	<u>844</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>792</u>
18	<u>845</u>
19	<u>844</u>
20	<u>844</u>
21	<u>821</u>
22	<u>842</u>
23	<u>806</u>
24	<u>838</u>
25	<u>836</u>
26	<u>829</u>
27	<u>52</u>
28	<u>410</u>
29	<u>796</u>
30	<u>834</u>
31	<u>186</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 #2
DATE 9/14/83
COMPLETED BY Elaine Lotito
TELEPHONE (301) 787-5363

MONTH August 1983

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>817</u>
2	<u>816</u>
3	<u>817</u>
4	<u>819</u>
5	<u>817</u>
6	<u>815</u>
7	<u>814</u>
8	<u>813</u>
9	<u>606</u>
10	<u>-</u>
11	<u>-</u>
12	<u>-</u>
13	<u>501</u>
14	<u>800</u>
15	<u>800</u>
16	<u>804</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>811</u>
18	<u>808</u>
19	<u>800</u>
20	<u>811</u>
21	<u>812</u>
22	<u>528</u>
23	<u>20</u>
24	<u>352</u>
25	<u>-</u>
26	<u>432</u>
27	<u>822</u>
28	<u>822</u>
29	<u>821</u>
30	<u>822</u>
31	<u>553</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.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August 1983

DOCKET NO. 50-317
 UNIT NAME Calvert Cliffs #1
 DATE 9/14/83
 COMPLETED BY Elaine Lotito
 TELEPHONE (301) 787-5363

1 #	2 Date	3 Type ¹	4 Duration (Hours)	5 Reason ²	6 Method of Shutting Down Reactor ³	7 Licensee Event Report #	8 System Code ⁴	9 Component Code ⁵	10 Cause & Corrective Action to Prevent Recurrence
83-08	830827	S	8.3	B	1		CB	MotorX	To investigate low lube oil level in #12A Reactor Coolant Pump Motor.
83-09	830827	F	4.2	A	3		RC	FuelXX	High Axial Shape Index.
83-10	830831	F	18.0	A	1		XX	ZZZZZZ	Clogged Traveling Screens.

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

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August 1983

DOCKET NO. 50-318
 UNIT NAME Calvert Cliffs #2
 DATE 9/14/83
 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
83-06	830809	F	75.4	A	1		XX	ZZZZZZ	Turbine Governor Valve problems.
83-07	830822	F	26.3	A	1		XX	ZZZZZZ	Turbine Governor Valve problems.
83-08	830824	F	41.3	A	3		XX	ZZZZZZ	Turbine Governor Valve problems.
83-09	830831	F	6.2	H	1		XX	ZZZZZZ	In accordance with Tech. Spec. Requirements pertaining to the Feedwater Control System.

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

(9/77)

September 8, 1983

REFUELING INFORMATION REQUEST

1. Name of Facility: Calvert Cliffs Nuclear Power Plant, Unit No. 1
2. Scheduled date for next Refueling Shutdown: September 30, 1983
3. Scheduled date for restart following refueling: December 1, 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.

September 1, 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) 732

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

1830 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

September 8, 1983

REFUELING INFORMATION REQUEST

1. Name of Facility: Calvert Cliffs Nuclear Power Plant, Unit No. 2.
2. Scheduled date for next refueling shutdown: April 20, 1984.
3. Scheduled date for restart following refueling: June 10, 1984.
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.

March 3, 1984

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) 732

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

1830 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

SUMMARY OF UNIT 1 OPERATING EXPERIENCE

AUGUST 1983

- 8/1 At the beginning of this reporting period, Unit 1 was operating at 820 MWe with the Reactor at 100% power.
- 8/4 At 2155 load was reduced to 711 MWe to investigate saltwater leakage into the main condenser.
- 8/5 Load was increased to 845 MWe at 0930 when indications of saltwater leakage disappeared.
- 8/14 At 1330 power was reduced to 809 MWe per Technical Specifications when the plant computer failed, rendering the output from the in-core instruments inoperable.
- 8/15 Resumed full load operation (844 MWe) at 0625.
- 8/17 At 0840 load was reduced to 750 MWe to investigate saltwater leakage into the main condenser.
- 8/18 Load was increased to 850 MWe at 0205 when indications of saltwater leakage disappeared.
- 8/21 Operating at reduced load (732 MWe) at 0010 while testing Main Turbine Control Valves. Load was increased to capacity (844 MWe) at 0732.
- 8/21 At 0908 load was decreased to 794 MWe to replace a shearpin in a Traveling Screen. Resumed full load operation (843 MWe) at 1450.
- 8/23 At 0525 load was reduced to 707 MWe to investigate saltwater leakage into the main condenser. Load was increased to 841 MWe at 2045 when indications of saltwater leakage disappeared.
- 8/27 The unit was taken off the line at 0430 to investigate low indicated oil level in 12A Reactor Coolant Pump Motor. At 1236 the unit was paralleled after adding oil to the Reactor Coolant Pump Motor. At 1426 the Reactor tripped due to High Axial Shape Index. The unit was paralleled at 1840 and held at 12% power due to High Axial Shape Index.

SUMMARY OF UNIT 1 OPERATING EXPERIENCE

AUGUST 1983

- 8/28 Load was increased to 829 MWe at 1720.
- 8/29 At 0430 load was reduced to 708 MWe to investigate saltwater leakage into the main condenser. Load was increased to 834 MWe at 1820.
- 8/31 At 0600 the Reactor was manually tripped due to the reduction of Main Circulating Water flow caused by impingement of a large number of fish on the Traveling Screens.
- 8/31 At the end of this reporting period, Unit 1 was shut down.

SUMMARY OF UNIT 2 OPERATING EXPERIENCE

AUGUST 1983

- 8/1 At the beginning of this reporting period, Unit 2 was operating at 850 MWe with the Reactor at 100% power.
- 8/9 At 1810 the Reactor was manually tripped in response to increasing primary temperature when the Main Turbine Governor Valves spuriously shut.
- 8/13 Resumed full load operation (795 MWe) at 1924.
- 8/18 At 2320 load was decreased to 780 MWe to replace the oil in 23 Circulating Water Pump lower bearing.
- 8/19 Load was increased to capacity (810 MWe) at 1100.
- 8/22 At 1541 the Reactor was manually tripped in response to increasing primary temperature when the Main Turbine Governor Valves spuriously shut.
- 8/24 Resumed full load operation (815 MWe) at 1000.
- 8/24 At 1336 the Reactor tripped on Reactor Coolant System high pressure when the Main Turbine Governor Valves and Intercept Valves spuriously shut.
- 8/26 Resumed full load operation (819 MWe) at 1445.
- 8/31 At 1238 commenced shutdown in accordance with Technical Specifications because of the suspected inability of the Feedwater Control System to reduce feed flow adequately following a Reactor trip. At 1749 the Reactor tripped on Low Steam Generator Level from approximately 25% power following the loss of the only operating Feed Pump.
- 8/31 At the end of this reporting period, Unit 2 was shut down.



CHARLES CENTER • P.O. BOX 1475 • BALTIMORE, MARYLAND 21203

FOSSIL POWER DEPARTMENT

September 15, 1983

Director Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington, D.C. 20055

ATTENTION: Document Control Desk

Gentlemen:

Enclosed herewith is the August 1983 - Operation Status Report for Calvert Cliffs No. 1 Unit, (Docket 50-317) and Calvert Cliffs No. 2 Unit, (Docket 50-318).

Sincerely,

E. M. Lotito

E. M. Lotito
Performance Data Analyser
Production Economy and Results Unit
Fossil Power Department

Enclosure

cc: Messrs	W. Lavallee	J. Tiernan
	C. McCabe, Jr.	R. Architzel
	P. Krause	L. Russell
	P. Ross	P. Sierer, Jr.
	M. Beebe	C. Shoemaker
	D. Reilly	R. Ash
	T. Magette	V. Stricklin
		A. Lundvall

EML/bmw
wp/2/(NCR)

IE24

1/1