

OPERATING DATA REPORT

DOCKET NO. 50-317
 DATE 3/15/83
 COMPLETED BY Elaine Lotito
 TELEPHONE (301) 787-5363

OPERATING STATUS

1. Unit Name: Calvert Cliffs #1
2. Reporting Period: February 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	672.0	1,416.0	68,485.0
12. Number Of Hours Reactor Was Critical	619.9	1,340.5	54,436.4
13. Reactor Reserve Shutdown Hours	4.8	11.8	1,820.3
14. Hours Generator On-Line	613.2	1,330.5	53,354.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,616,971	3,509,054	130,179,100
17. Gross Electrical Energy Generated (MWH)	547,846	1,187,233	43,188,176
18. Net Electrical Energy Generated (MWH)	523,908	1,136,457	40,800,665
19. Unit Service Factor	91.3	94.0	77.9
20. Unit Availability Factor	91.3	94.0	77.9
21. Unit Capacity Factor (Using MDC Net)	94.5	97.3	73.4
22. Unit Capacity Factor (Using DER Net)	92.3	95.0	70.5
23. Unit Forced Outage Rate	8.8	6.0	8.4
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: _____
 26. Units In Test Status (Prior to Commercial Operation):
- | | Forecast | Achieved |
|----------------------|----------|----------|
| INITIAL CRITICALITY | _____ | _____ |
| INITIAL ELECTRICITY | _____ | _____ |
| COMMERCIAL OPERATION | _____ | _____ |

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OPERATING DATA REPORT

DOCKET NO. 50-318
 DATE 3/15/83
 COMPLETED BY Elaine Lotito
 TELEPHONE (301) 787-5363

OPERATING STATUS

1. Unit Name: Calvert Cliffs #2
2. Reporting Period: February 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	672	1,416	51,840
12. Number Of Hours Reactor Was Critical	616.4	1,040.5	43,141.4
13. Reactor Reserve Shutdown Hours	55.6	67.3	862.5
14. Hours Generator On-Line	596.7	897.7	42,440.6
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,496,770	2,119,126	104,339,883
17. Gross Electrical Energy Generated (MWH)	513,339	719,630	34,375,834
18. Net Electrical Energy Generated (MWH)	489,357	677,969	32,768,731
19. Unit Service Factor	88.8	63.4	81.9
20. Unit Availability Factor	88.8	63.4	81.9
21. Unit Capacity Factor (Using MDC Net)	88.3	58.0	77.2
22. Unit Capacity Factor (Using DER Net)	86.2	56.7	74.8
23. Unit Forced Outage Rate	11.2	8.8	5.5
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 3/15/83
 COMPLETED BY Elaine Lotitz
 TELEPHONE (301) 787-5363

MONTH February 1983

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>879</u>	17	<u>827</u>
2	<u>880</u>	18	<u>829</u>
3	<u>880</u>	19	<u>878</u>
4	<u>879</u>	20	<u>880</u>
5	<u>417</u>	21	<u>879</u>
6	<u>-</u>	22	<u>879</u>
7	<u>125</u>	23	<u>879</u>
8	<u>847</u>	24	<u>879</u>
9	<u>863</u>	25	<u>878</u>
10	<u>882</u>	26	<u>876</u>
11	<u>881</u>	27	<u>849</u>
12	<u>850</u>	28	<u>442</u>
13	<u>881</u>	29	<u> </u>
14	<u>881</u>	30	<u> </u>
15	<u>882</u>	31	<u> </u>
16	<u>871</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 3/15/83
 COMPLETED BY Elaine Lotito
 TELEPHONE (301) 787-5363

MONTH February 1983

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	25	17	851
2	125	18	858
3	-	19	863
4	35	20	825
5	792	21	865
6	838	22	864
7	841	23	860
8	845	24	858
9	850	25	863
10	850	26	862
11	710	27	863
12	812	28	861
13	851	29	
14	851	30	
15	850	31	
16	851		

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 February 1983

DOCKET NO. 50-318
 UNIT NAME Calvert Cliffs #2
 DATE 3/15/83
 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
83-01	830131	F	16.7	A	4		XX	ZZZZZ	Loss of #22 120 VAC vital bus
83-02	830202	F	58.6	A	3		XX	ZZZZZ	Loss of #22 120 VAC vital bus

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 February 1983

DOCKET NO.	50-317
UNIT NAME	Calvert Cliffs #1
DATE	3/15/83
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
83-03	830205	F	50.6	A	1	83-08/1T	RB	INSTRU	Failure of two control element assembly position indication channels
83-04	830228	F	8.2	A	3		XX	ZZZZZ	Malfunction of level switch on #11 moisture separator reheater

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

March 3, 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 8, 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 9, 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

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

* Change since last month.

March 3, 1983

REFUELING INFORMATION REQUEST

1. Name of Facility: Calvert Cliffs Nuclear Power Plant, Unit No. 2.
2. Scheduled date for next refueling shutdown: April 27, 1984.*
3. Scheduled date for restart following refueling: June 6, 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

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

* Change since last month.

SUMMARY OF UNIT 1 OPERATING EXPERIENCE

FEBRUARY 1983

- 2/1 At the beginning of this reporting period Unit 1 was operating at 900 MWe with the reactor at 100% power.
- 2/5 The unit was taken off the line at 1312 in accordance with Technical Specifications due to the failure of two control element assembly position indication channels.
- 2/7 The reactor was brought critical at 1232 and the unit paralleled at 1545.
- 2/8 Load was increased to capacity (900 MWe) at 1320.
- 2/9 Started decreasing load at 1110 to investigate saltwater leakage into the main condenser. Load was decreased to 800 MWe at 1450 when indications of saltwater leakage disappeared. Resumed full load operation (900 MWe) at 1700.
- 2/12 Decreased load to 715 MWe at 1030 to clean main condenser waterboxes. Load was increased to capacity (900 MWe) at 1500. At 1900 load was reduced to 880 MWe to investigate saltwater leakage into the main condenser. Load was increased to 910 MWe at 2100 when indications of saltwater leakage disappeared.
- 2/16 At 2230 load was reduced to 815 MWe to investigate saltwater leakage into the main condenser.
- 2/17 Load was increased to 910 MWe at 0500 when indications of saltwater leakage disappeared. At 0600 load was reduced to 820 MWe to investigate saltwater leakage into the main condenser. Load was increased to 910 MWe at 1400 when indications of saltwater leakage disappeared. At 1700 load was reduced to 840 MWe to investigate saltwater leakage into the main condenser. Load was increased to 910 MWe at 2230 when indications of saltwater leakage disappeared.

- 2/18 At 0015 load was reduced to 825 MWe to investigate saltwater leakage into the main condenser. Load was increased to 910 MWe at 0545 when indications of saltwater leakage disappeared. At 0730 load was reduced to 820 MWe to investigate saltwater leakage into the main condenser. After plugging 2 condenser tubes resumed full load operation (905 MWe) at 1600.
- 2/27 Decreased load to 720 MWe at 0200 to test Main Turbine Control Valves. Resumed full load operation (905 MWe) at 0700.
- 2/28 At 0828, the turbine tripped when the level switch on 11 Moisture Separator Reheater malfunctioned causing the reactor to trip on loss of load. The reactor was brought critical at 1315 and the unit paralleled at 1640. At the end of this reporting period, Unit 1 was operating at 860 MWe with the reactor at 98% power, increasing to capacity.

SUMMARY OF UNIT 2 OPERATING EXPERIENCE

FEBRUARY 1983

- 2/1 At the beginning of this reporting period, Unit 2 was critical awaiting return of steam generator chemistry to within specification. Load was increased to 220 MWe at 1830. Held at this load to allow steam generator chemistry to return to within specification.
- 2/2 Commenced increasing load to capacity at 0001. Load was increased to 640 MWe at 0600. At 0811 the loss of 120 VAC vital bus initiated an actuation of ESFAS. The actuation tripped the main turbine causing the reactor to trip on loss of load.
- 2/4 The reactor was brought critical at 1545 and the unit paralleled at 1847.
- 2/5 Resumed full load operation (870 MWe) at 1045. Electrical output was limited due to moisture separator reheater shell drain tank dumping to the main condenser because of fluoride contamination from weld slag.
- 2/11 Decreased load to 290 MWe at 1900 to clean main condenser waterboxes.
- 2/12 Resumed full load operation (885 MWe) at 0700.
- 2/18 Load was increased to capacity (900 MWe) at 1550 after fluoride levels reached acceptable limits in the moisture separator reheater drains allowing them to be directed to the feedwater system.
- 2/20 Decreased load to 760 MWe at 0115 for main turbine control valve testing. Decreased load to 700 MWe at 0250 when one of the intercept valves failed to re-open after testing due to a sticking solenoid valve. Load was increased to capacity (900 MWe) at 0630.
- 2/28 At the end of this reporting period Unit 2 was operating at 900 MWe with the reactor at 100% power.