

OPERATING DATA REPORT

DOCKET NO. 50-317
 DATE 1/13/84
 COMPLETED BY Baine Lotito
 TELEPHONE 301-787-5363

OPERATING STATUS

1. Unit Name: Calvert Cliffs #1
2. Reporting Period: December 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	8,760.0	75,829.0
12. Number Of Hours Reactor Was Critical	582.7	6,871.0	59,966.9
13. Reactor Reserve Shutdown Hours	20.7	79.4	1,887.9
14. Hours Generator On-Line	473.3	6,722.0	58,745.9
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,067,407	17,472,249	144,142,295
17. Gross Electrical Energy Generated (MWH)	355,293	5,826,462	47,427,405
18. Net Electrical Energy Generated (MWH)	333,050	5,570,758	45,234,966
19. Unit Service Factor	63.6	76.7	77.5
20. Unit Availability Factor	63.6	76.7	77.5
21. Unit Capacity Factor (Using MDC Net)	54.3	77.1	73.3
22. Unit Capacity Factor (Using DER Net)	53.0	75.3	70.6
23. Unit Forced Outage Rate	7.6	3.0	7.5

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

Revision: No. 1 Plant was reported in service on 12/10/83

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
_____	_____
_____	_____
_____	_____

8401250158 831231
 PDR ADOCK 05000317
 R PDR

(9/77)

OPERATING DATA REPORT

DOCKET NO. 50-318
 DATE 1/13/84
 COMPLETED BY Elaine Lotito
 TELEPHONE 301-87-5363

OPERATING STATUS

1. Unit Name: Chilvert Cliffs #2
2. Reporting Period: December 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	8,760.0	59,184.0
12. Number Of Hours Reactor Was Critical	694.3	7,826.9	49,927.8
13. Reactor Reserve Shutdown Hours	0.0	162.6	957.8
14. Hours Generator On-Line	690.8	7,572.3	49,115.2
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,812,312	19,620,937	121,841,694
17. Gross Electrical Energy Generated (MWH)	596,580	6,413,082	40,069,286
18. Net Electrical Energy Generated (MWH)	569,793	6,113,363	38,204,125
19. Unit Service Factor	92.8	86.4	83.0
20. Unit Availability Factor	92.8	86.4	83.0
21. Unit Capacity Factor (Using MDC Net)	92.8	84.6	78.8
22. Unit Capacity Factor (Using DER Net)	90.6	82.6	76.4
23. Unit Forced Outage Rate	7.1	7.8	5.8

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

No. 2 Plant is scheduled to begin a 10 week outage in April 1984 for refueling and a unit general inspection.

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 Olvert Cliffs #1

DATE 1/13/84

COMPLETED BY Elaine Lotito

TELEPHONE 31-787-5363

MONTH December 1983

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	-
2	-
3	-
4	-
5	-
6	-
7	-
8	-
9	-
10	13
11	329
12	377
13	380
14	382
15	604
16	778

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	835
18	832
19	837
20	850
21	867
22	868
23	871
24	877
25	874
26	846
27	879
28	338
29	-
30	562
31	876

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 1-13-84

COMPLETED BY Elaine Lotito

TELEPHONE 301-787-5363

MONTH December '983

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	837
2	841
3	844
4	844
5	844
6	838
7	711
8	807
9	800
10	850
11	850
12	851
13	850
14	850
15	849
16	840

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	72
18	-
19	346
20	841
21	840
22	846
23	851
24	852
25	837
26	829
27	793
28	801
29	851
30	853
31	852

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 December 1983

DOCKET NO. 50-317 #1
 UNIT NAME Calvert Cliffs
 DATE 1-13-84
 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
83-15	831001	S	231.6	C	4		XX	FuelXX	Refueling and unit general inspection.
83-16	831228	F	39.1	A	2		XX	ZZZZZZ	Loss of #12 Steam Generator Feed Pump

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 December 1983

Docket No. 50-318 #2
 UNIT NAME Calvert Cliffs
 DATE 1-13-84
 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
83-21	831217	F	53.2	A	2		CD	Valvex	Malfunction of Main Steam Isolation Valve

¹
 F- Forced
 S- Scheduled

²
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance of 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)

January 4, 1984

REFUELING INFORMATION REQUEST

1. Name of Facility: Calvert Cliffs Nuclear Power Plant, Unit No. 1
2. Scheduled date for next Refueling Shutdown: March 23, 1985
3. Scheduled date for restart following refueling: May 26, 1985
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 20, 1985

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) 796

Spent Fuel Pools are common to Units 1 and 2

8. (a) The present licensed spent fuel pool storage capacity, and (b) the size of any increase in licensed storage capacity that has been requested or is planned, in number of fuel assemblies.

(a) 1830

(b) 0

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

January 4, 1984

REFUELING INFORMATION REQUEST

1. Name of Facility: Calvert Cliffs Nuclear Power Plant, Unit No. 2.
2. Scheduled date for next refueling shutdown: April 21, 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) 796

Spent Fuel Pool is common to Units 1 and 2.

8. (a) The present licensed spent fuel pool storage capacity, and (b) the size of any increase in licensed storage capacity that has been required or is planned, in number of fuel assemblies.

(a) 1830

(b) 0

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

DECEMBER 1983

- 12/1 At the beginning of this reporting period, Unit 1 was critical and low power physics testing was in progress.
- 12/2 During initial roll of the main turbine, #2 main turbine bearing failed. At 1626 the reactor was shutdown while repairs were being made to the main turbine.
- 12/9 The reactor was brought critical at 1312.
- 12/10 The unit was paralleled to the grid at 1248 and commenced escalation to power testing.
- 12/11 At 0630 commenced increasing power to 50% for physics testing. At 1600 load was at 375 MWe.
- 12/14 At 2245 commenced increasing power to 90%.
- 12/16 At 0650 load was at 777 MWe.
- 12/17 Load was increased to 97% at 0600 to conduct core physics measurements.
- 12/20 Load was increased to capacity (860 MWe) at 1220.
- 12/25 At 2233 load was reduced to 763 MWe to clean water boxes.
- 12/26 Load was increased to capacity (875 MWe) at 0900.
- 12/28 The reactor tripped on low steam generator water level at 0943 following the shutdown of 12 steam generator feed pump.
- 12/29 The reactor was brought critical at 0629.
- 12/30 The unit was paralleled to the grid at 0050. Resumed full load operation (865 MWe) at 2110.
- 12/31 At the end of this reporting period, Unit 1 was operating at 878 MWe with the reactor at 100% power.

SUMMARY OF UNIT 2 OPERATING EXPERIENCE

DECEMBER 1983

- 12/1 At the beginning of this reporting period, Unit 2 was operating at 838 MWe with the reactor at 100% power.
- 12/6 At 2130 load was reduced to 712 MWe to clean water boxes.
- 12/7 Return to full load operation was delayed at 0504 while repairs were made to 21 Circulating Water Pump wear ring.
- 12/8 Load was increased to capacity (842 MWe) at 0800. At 2130 load was reduced to 715 MWe to clean water boxes.
- 12/9 Load was increased to capacity (846 MWe) at 1045.
- 12/16 At 2158 load was reduced to 672 MWe to clean water boxes.
- 12/17 The reactor tripped at 0324 on asymmetric steam generator pressure due to 21 Main Steam Isolation Valve shutting during a partial stroke test.
- 12/19 At 0505 the reactor was brought critical and paralleled to the grid at 0835. Resumed full load operation (843 MWe) at 2200.
- 12/25 At 1330 power was reduced to 831 MWe for a Moderator Temperature Coefficient Measurement.
- 12/27 At 1903 Control Element Assembly (CEA) 1 dropped into the core. Reactor power was immediately reduced to less than 70% in accordance with Technical Specifications. CEA 1 was withdrawn at 2155.
- 12/28 Full load operation (854 MWe) was resumed at 0115. At 0635 CEA 64 dropped into the core. Reactor power was immediately reduced to less than 70% in accordance with the Technical Specifications. CEA 64 was withdrawn at 0806. Full load operation (850 MWe) was resumed at 1625.
- 12/31 At the end of this reporting period, Unit 2 was operating at 850 MWe with the reactor at 100% power.



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

FOSSIL POWER DEPARTMENT

January 13, 1984

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

ATTN: Document Control Desk

Gentlemen:

Enclosed herewith is the December 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
Performance Data Analyzer
Production Economy and Results Unit
Fossil Power Department

Enclosure

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

EML:cm

IE24
1/1