

OPERATING DATA REPORT

DOCKET NO. 50-317
 DATE 10/14/83
 COMPLETED BY E. M. Lotito
 TELEPHONE 787-5363

OPERATING STATUS

1. Unit Name: Calvert Cliffs No. 1
2. Reporting Period: September, 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	720.0	6,551.0	73,670.0
12. Number Of Hours Reactor Was Critical	691.1	6,286.0	59,381.9
13. Reactor Reserve Shutdown Hours	28.9	58.7	1,867.2
14. Hours Generator On-Line	684.3	6,248.2	58,272.1
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,174,692	15,837,842	142,507,888
17. Gross Electrical Energy Generated (MWH)	573,940	5,471,169	47,072,112
18. Net Electrical Energy Generated (MWH)	548,034	5,237,708	44,901,916
19. Unit Service Factor	95.0	95.4	79.2
20. Unit Availability Factor	95.0	95.4	79.2
21. Unit Capacity Factor (Using MDC Net)	92.3	96.9	75.0
22. Unit Capacity Factor (Using DER Net)	90.1	94.6	72.2
23. Unit Forced Outage Rate	5.0	2.7	7.5

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

No. 1 began a 14 week planned outage on 10/1/83 for refueling and unit general inspection.

25. If Shut Down At End Of Report Period, Estimated Date of Startup: 1/9/84

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 10/14/83
 COMPLETED BY E. M. Lotito
 TELEPHONE 787-5363

OPERATING STATUS

1. Unit Name: Calvert Cliffs No. 2
2. Reporting Period: September, 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	720.0	6,551.0	56,975.0
12. Number Of Hours Reactor Was Critical	619.8	5,940.7	48,041.6
13. Reactor Reserve Shutdown Hours	12.3	143.0	938.2
14. Hours Generator On-Line	612.2	5,732.4	47,275.3
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,575,274	14,983,662	117,204,419
17. Gross Electrical Energy Generated (MWH)	503,111	4,878,328	38,534,532
18. Net Electrical Energy Generated (MWH)	478,653	4,653,200	36,743,962
19. Unit Service Factor	85.0	87.5	83.0
20. Unit Availability Factor	85.0	87.5	83.0
21. Unit Capacity Factor (Using MDC Net)	80.6	86.1	78.7
22. Unit Capacity Factor (Using DER Net)	78.7	84.1	76.3
23. Unit Forced Outage Rate	2.4	4.9	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:

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 10/14/83
COMPLETED BY E. M. Lotito
TELEPHONE 787-5363

MONTH September, 1983

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>264</u>
2	<u>828</u>
3	<u>793</u>
4	<u>776</u>
5	<u>833</u>
6	<u>829</u>
7	<u>826</u>
8	<u>814</u>
9	<u>820</u>
10	<u>818</u>
11	<u>790</u>
12	<u>788</u>
13	<u>813</u>
14	<u>816</u>
15	<u>783</u>
16	<u>811</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>759</u>
18	<u>783</u>
19	<u>150</u>
20	<u>552</u>
21	<u>809</u>
22	<u>815</u>
23	<u>819</u>
24	<u>820</u>
25	<u>818</u>
26	<u>818</u>
27	<u>821</u>
28	<u>821</u>
29	<u>820</u>
30	<u>799</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.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-318
 UNIT Calvert Cliffs #2
 DATE 10/14/83
 COMPLETED BY E. M. Lotito
 TELEPHONE 787-5363

MONTH September, 1983

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	154
2	816
3	820
4	821
5	819
6	817
7	814
8	823
9	812
10	812
11	812
12	812
13	809
14	813
15	814
16	781

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	---
18	---
19	---
20	---
21	504
22	823
23	830
24	832
25	832
26	832
27	834
28	811
29	590
30	772
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.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH September, 1983

DOCKET NO. 50-317
 UNIT NAME Calvert Cliffs #1
 DATE 10/14/83
 COMPLETED BY E. M. Lotito
 TELEPHONE 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
83-10	830831	F	12.9	A	4		XX	ZZZZZZ	Clogged traveling screens
83-11	830919	F	17.9	A	1		XX	ZZZZZZ	Clogged traveling screens
83-12	830919	F	4.9	A	3		XX	ZZZZZZ	High Level in No. 11 Moisture Separator Reheater

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH September, 1983

DOCKET NO. 50-318
 UNIT NAME Calvert Cliffs #2
 DATE 10/14/83
 COMPLETED BY E. M. Lotito
 TELEPHONE 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
83-09	830831	F	14.8	H	4		XX	ZZZZZZ	In accordance with Tech. Spec. Requirements pertaining to the Feedwater Control System.
83-10	8309	S	93.0	B	1		CJ	Vessel	To replace leaking pressurizer manway gasket.
83-11	830928	S	36.6	B	5		XX	ZZZZZZ	To troubleshoot No. 22 Steam Generator Feed Pump Control Oil 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)

October 4, 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

October 4, 1983

REFUELING INFORMATION REQUEST

1. Name of Facility: Calvert Cliffs Nuclear Power Plant, Unit No. 2.
2. Scheduled date for next refueling shutdown: April 14, 1984.
3. Scheduled date for restart following refueling: June 3, 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

SEPTEMBER 1983

- 9/1 At the beginning of this reporting period, Unit 1 was shut down following Reactor trip on 8/31. The Reactor was brought critical at 1025, paralleled at 1254 and brought up to 841 MWe at 2300, 97% power limited by end of cycle coastdown.
- 9/3 Decreased load to 630 MWe at 1900 to clean condenser water boxes.
- 9/4 Increased load to 833 MWe at 0855.
- 9/6 At 1238 commenced reducing load in accordance with the Technical Specifications when chemical analysis of Refueling Water Tank (RWT) boron concentration indicated that RWT boron concentration was out of specification. Load was increased to 828 MWe at 1645 following analysis of a back-up sample which indicated that RWT boron concentration was within specification.
- 9/10 Reduced load to 697 MWe at 2300 to test main turbine control valves and clean main condenser water boxes.
- 9/11 Load was increased to 822 MWe at 1100.
- 9/11 Decreased load to 680 MWe at 2240 to repair a broken shear pin on a Traveling Screen.
- 9/12 Load was increased to 817 MWe at 0725.
- 9/16 Decreased load to 644 MWe at 2242 to clean main condenser water boxes.
- 9/17 Load was increased to 819 MWe at 0810.
- 9/17 Reduced load to 709 MWe at 2255 to clean main condenser water boxes.
- 9/18 Load was increased to 815 MWe at 0845.
- 9/19 At 0504 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. At 2300 the Unit was paralleled to the grid. The Reactor tripped on high level in 11 Moisture Separator Reheater at 2337.

SUMMARY OF UNIT 1 OPERATING EXPERIENCE

SEPTEMBER 1983

9/20 Resumed full load operation (801 MWe) at 1040.

9/30 At 2155 commenced shutdown for the sixth scheduled refueling outage. At the end of this reporting period, Unit 1 was at 45%, Reactor power decreasing.

SUMMARY OF UNIT 2 OPERATING EXPERIENCE

SEPTEMBER 1983

- 9/1 At the beginning of this reporting period, Unit 2 was shutdown to investigate a suspected malfunction of the Steam Generator Feedwater Regulating Valves. The Unit was paralleled at 1450 following completion of repairs to a Feedwater Regulating Bypass Valve.
- 9/2 Resumed full load operation (810 MWe) at 0103.
- 9/17 At 0038 the Unit was taken off line and placed in Mode 5 to replace a leaking pressurizer manway gasket.
- 9/20 The Unit was paralleled at 2138.
- 9/21 Resumed full load operation (800 MWe) at 1930.
- 9/28 Decreased load to 560 MWe at 2100 to troubleshoot 22 Steam Generator Feed Pump Control Oil System.
- 9/30 Resumed full load operation (836 MWe) at 1200.
- 9/30 At the end of this reporting period, Unit 2 was operating at 835 MWe with the Reactor at 100% power.



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

FOSSIL POWER DEPARTMENT

October 14, 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 September 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 Analyser
Production Economy and Results Unit
Fossil Power Department

Enclosure

cc: Messrs. W. Lavallee
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P. Krause
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IE24
1/1