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R. E. DENTON  
GENERAL MANAGER  
CALVERT CLIFFS

May 13, 1991

U.S. Nuclear Regulatory Commission  
Washington, DC 20555

ATTENTION: Document Control Desk

SUBJECT: Calvert Cliffs Nuclear Power Plant  
Units 1 & 2; Dockets 50-317 and 50-318  
April 1991 Operating Data Reports

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Gentlemen:

The subject reports are being sent to you as required by Technical Specification 6.9.1.6. Should you have any further questions regarding this matter, please contact Bruce Mrowca at (301) 260-3989.

Very truly yours,

RED/LbS/reu

Attachments

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U. S. Nuclear Regulatory Commission

May 13, 1991

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UNIT 1

OPERATING DATA REPORT

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Docket No. 50-317  
May 13, 1991  
Prepared by Leo Shanley  
Telephone: (301) 260-6744

OPERATING STATUS  
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1. UNIT NAME	Calvert Cliffs Unit 1
2. REPORTING PERIOD	APRIL 1991
3. LICENSED THERMAL POWER (MWT)	2700
4. NAMEPLATE RATING (GROSS MWe)	918
5. DESIGN ELECTRICAL RATING (NET MWe)	845
6. MAXIMUM DEPENDABLE CAP'Y (GROSS MWe)	860
7. MAXIMUM DEPENDABLE CAP'Y (NET MWe)	825
8. CHANGE IN CAPACITY RATINGS	none
9. POWER LEVEL TO WHICH RESTRICTED	n/a
10. REASONS FOR RESTRICTIONS	n/a

	This month	Year-to-Date	Cumulative to Date
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11. HOURS IN REPORTING PERIOD	719	2,879	140,076
12. NUMBER OF HOURS REACTOR WAS CRITICAL	719.0	2,490.7	99,007.5
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	3,019.4
14. HOURS GENERATOR ON LINE	719.0	2,469.9	96,759.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,825,932	6,312,742	243,343,456
17. GROSS ELECTRICAL ENERGY GEN'TED (MWH)	628,661	2,121,006	80,951,773
18. NET ELECTRICAL ENERGY GENERATED (MWH)	603,228	2,032,158	76,922,335
19. UNIT SERVICE FACTOR	100.0	85.8	69.1
20. UNIT AVAILABILITY FACTOR	100.0	85.8	69.1
21. UNIT CAPACITY FACTOR (USING MDC NET)	101.7	85.6	66.6
22. UNIT CAPACITY FACTOR (USING DER NET)	99.3	83.5	65.0
23. UNIT FORCED OUTAGE RATE	0.0	14.2	9.5
24. SHUTDOWNS SCHEDULED OVER THE NEXT SIX MONTHS (TYPE, DATE AND DURATION):			
Maintenance/Test, May 17, 1991 for 50 days			

25. IF SHUTDOWN AT END OF REPORT PERIOD,  
ESTIMATED DATE OF START-UP:  
N/A

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-317  
 UNIT NAME Calvert Cliffs-U1  
 DATE May 13, 1991  
 COMPLETED BY Leo B. Shanley  
 TELEPHONE (301)260-6744

REPORT MONTH April 1991

NO.	DATE	TYPE <sup>1</sup>	DURATION (HOURS)	REASON <sup>2</sup>	METHOD OF SHUTTING DOWN REACTOR <sup>3</sup>	LICENSEE EVENT REPORT #	SYSTEM CODE <sup>4</sup>	COMPONENT CODE <sup>5</sup>	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
91-03	910413	F	0.0	A	4	N/A	HH	PIPEXX	Power was reduced to 66% to repair leak in 11 Steam Generator Feed Pump (SGFP) seal water line. 11 SGFP was taken off-line to facilitate repairs.

<sup>1</sup> F: Forced  
 S: Scheduled

<sup>2</sup> 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)

<sup>3</sup> Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

<sup>4</sup> Exhibit G-Instructions  
 for Preparation of Data  
 Entry Sheets for License  
 Event Report (LER) File  
 (NUREG-0161)

<sup>5</sup> Exhibit I - Same Source

# AVERAGE DAILY UNIT POWER LEVEL

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Docket No. 50-317  
Calvert Cliffs Unit No. 1  
May 13, 1991  
Completed by Leo Shanley  
Telephone: (301) 260-6744

APRIL 1991

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Day	Average Daily Power Level (MWe-Net)	Day	Average Daily Power Level (MWe-Net)
1	859	17	855
2	858	18	856
3	855	19	857
4	858	20	857
5	858	21	803
6	858	22	852
7	836	23	856
8	854	24	833
9	856	25	850
10	856	26	852
11	858	27	852
12	857	28	852
13	671	29	852
14	700	30	851
15	804		
16	854		



DOCKET #50-317  
CALVERT CLIFFS - UNIT 1  
May 13, 1991

## SUMMARY OF OPERATING EXPERIENCE

April 1991

The unit began the month at 100% power (860 MWe).

Power was reduced to 86% (715 MWe) from 0450 to 0910 on April 7 for Main Turbine control valve testing.

Power was reduced to 66% at 1115 on April 13 to facilitate repairs to 11 Steam Generator Feed Pump (SGFP) seal water line. Power was raised to 90% (760 MWe) at 0930 on April 14. 90% power was maintained until 1225 on April 15 while repairing tube leaks in 12A condenser. Full power (855 MWe) was reached at 1540 on April 15.

Power was reduced to 83% (700 MWe) from 0210 to 1135 on April 21 to repair a steam leak on 12 Heater Drain Tank.

Power was reduced to 90% (745 MWe) from 0055 to 0520 on April 24 due to a failure of the Plant Computer.

The unit ended the month at 100% power (850 MWe).

May 7, 1991

REFUELING INFORMATION REQUEST

1. Name of facility: Calvert Cliffs Nuclear Power Plant, Unit No. 1.
2. Scheduled date for next refueling shutdown: March 6, 1992.
3. Scheduled date for restart following refueling: May 17, 1992.
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 anticipated changes will effect consistency between the Unit 2 Cycle 9 Tech Specs and the Tech Specs for Unit 1 Cycle 11.

5. Scheduled date(s) for submitting proposed licensing action and supporting information.  
November 8, 1991.
6. Important licensing considerations associated with the refueling.  
None identified at this time.
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool.

(a) 217. (b) 1326.

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) 2880.

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.

March 1992.

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UNIT 2

OPERATING DATA REPORT

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Docket No. 50-318  
May 13, 1991  
Prepared by Leo Shanley  
Telephone: (301) 260-6744

OPERATING STATUS  
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1. UNIT NAME	Calvert Cliffs Unit 2
2. REPORTING PERIOD	APRIL 1991
3. LICENSED THERMAL POWER (MWT)	2700
4. NAMEPLATE RATING (GROSS MWe)	918
5. DESIGN ELECTRICAL RATING (NET MWe)	845
6. MAXIMUM DEPENDABLE CAP'Y (GROSS MWe)	860
7. MAXIMUM DEPENDABLE CAP'Y (NET MWe)	825
8. CHANGE IN CAPACITY RATINGS	none
9. POWER LEVEL TO WHICH RESTRICTED	n/a
10. REASONS FOR RESTRICTIONS	n/a

	This month	Year-to-Date	Cumulative to Date
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11. HOURS IN REPORTING PERIOD	719	2,879	123,431
12. NUMBER OF HOURS REACTOR WAS CRITICAL	56.6	56.6	87,493.9
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1,296.6
14. HOURS GENERATOR ON LINE	0.0	0.0	86,228.9
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	0	0	218,389,418
17. GROSS ELECTRICAL ENERGY GEN'TED (MWH)	0	0	72,284,632
18. NET ELECTRICAL ENERGY GENERATED (MWH)	0	0	69,042,571
19. UNIT SERVICE FACTOR	0.0	0.0	69.9
20. UNIT AVAILABILITY FACTOR	0.0	0.0	69.9
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	0.0	67.8
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	0.0	66.2
23. UNIT FORCED OUTAGE RATE	0.0	0.0	5.3
24. SHUTDOWNS SCHEDULED OVER THE NEXT			

SIX MONTHS (TYPE, DATE AND DURATION):

Maintenance/Test, October 4, 1991 for 44 days

25. IF UNIT IS SHUTDOWN AT END OF REPORT PERIOD,  
ESTIMATED DATE OF START-UP:  
N/A



## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-318  
UNIT NAME Calvert Cliffs-U2  
DATE May 13, 1991  
COMPLETED BY Leo B. Shanley  
TELEPHONE (301)260-6744

REPORT MONTH April 1991

NO.	DATE	TYPE <sup>1</sup>	DURATION (HOURS)	REASON <sup>2</sup>	METHOD OF SHUTTING DOWN REACTOR <sup>3</sup>	LICENSEE EVENT REPORT #	SYSTEM CODE <sup>4</sup>	COMPONENT CODE <sup>5</sup>	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
91-04	910401	S	719	C	N/A	N/A			Continued shutdown for 8th Cycle Refueling Outage.

<sup>1</sup> F: Forced  
S: Scheduled

<sup>2</sup> 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)

<sup>3</sup> Method:  
1-Manual  
2-Manual Scram.  
3-Automatic Scram.  
4-Other (Explain)

<sup>4</sup> Exhibit G-Instructions  
for Preparation of Data  
Entry Sheets for License  
Event Report (LER) File  
(NUREG-0161)

<sup>5</sup> Exhibit I - Same Source

# AVERAGE DAILY UNIT POWER LEVEL

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Docket No. 50-318  
Calvert Cliffs Unit No. 2  
May 13, 1991  
Completed by Leo Shanley  
Telephone: (301) 260-6744

APRIL 1991  
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Average Daily Power Level		Average Daily Power Level	
Day	(MWe-Net)	Day	(MWe-Net)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	0
9	0	25	0
10	0	26	0
11	0	27	0
12	0	28	0
13	0	29	0
14	0	30	0
15	0		
16	0		

DOCKET #50-318  
CALVERT CLIFFS - UNIT 2  
May 13, 1991

## SUMMARY OF OPERATING EXPERIENCE

April 1991

The unit began the month in a continued shutdown for the 8th Cycle Refueling Outage, performing a Reactor Coolant System heatup.

Hot Standby (Mode 3) was entered on April 2 and startup testing continued.

The Reactor Coolant System was returned to cold shutdown (Mode 5) on April 11. The cooldown was required to repair a Low Pressure Safety Injection check valve and two Nuclear Service Water control valves.

Reactor Coolant System heatup was commenced on April 24. The reactor was taken critical at 1525 on April 28.

The unit ended the month critical with preparations being made to roll the Main Turbine.

May 7, 1991

REFUELING INFORMATION REQUEST

1. Name of facility: Calvert Cliffs Nuclear Power Plant, Unit No. 2.
2. Scheduled date for next refueling shutdown: March 5, 1993.\*
3. Scheduled date for restart following refueling: May 17, 1993.\*
4. Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?  
Not identified at this time.\*
5. Scheduled date(s) for submitting proposed licensing action and supporting information.  
November 17, 1992.\*
6. Important licensing considerations associated with the refueling.  
None identified at this time.\*
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool.  
(a) 217. (b) 1326.  
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) 2880.
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.  
March 1992.

\* ENTRY HAS CHANGED SINCE LAST REPORTED