



CALVERT CLIFFS NUCLEAR POWER PLANT  
1650 CALVERT CLIFFS PARKWAY • LUSBY, MARYLAND 20657-4702

CHARLES H. CRUSE  
PLANT GENERAL MANAGER  
CALVERT CLIFFS

December 14, 1992

U. S. Nuclear Regulatory Commission  
Washington, DC 20555

ATTENTION: Document Control Desk

SUBJECT: Calvert Cliffs Nuclear Power Plant  
Unit Nos. 1 & 2; Docket Nos. 50-317 & 50-318  
November 1992 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 questions, please contact Mr. Bruce Mrowca at (410) 260-3989.

Very truly yours,

CHC/LBS/bjd

Attachments

cc: D. A. Brune, Esquire  
J. E. Silberg, Esquire  
R. A. Capra, NRC  
D. G. McDonald, Jr., NRC  
T. T. Martin, NRC  
P. R. Wilson, NRC  
R. I. McLean, DNR  
J. H. Walter, PSC  
R. A. Hartfield, NRC  
P. Lewis, INPO  
K. Larson, ANI

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UNIT 1

OPERATING DATA REPORT

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Docket No. 50-317  
December 14, 1992  
Prepared by Leo Shanley  
Telephone: (410) 260-6744

OPERATING STATUS  
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1. UNIT NAME	Calvert Cliffs Unit 1
2. REPORTING PERIOD	NOVEMBER 1992
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	720	8,040	153,997
12. NUMBER OF HOURS REACTOR WAS CRITICAL	683.0	4,306.2	107,606.0
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	3,019.4
14. HOURS GENERATOR ON LINE	663.5	4,184.4	105,234.9
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,767,811	10,940,980	265,277,487
17. GROSS ELECTRICAL ENERGY GEN'TLD(MWH)	593,711	3,618,782	88,154,470
18. NET ELECTRICAL ENERGY GENERATED(MWH)	569,279	3,467,208	83,822,713
19. UNIT SERVICE FACTOR	92.2	52.0	68.3
20. UNIT AVAILABILITY FACTOR	92.2	52.0	68.3
21. UNIT CAPACITY FACTOR (USING MDC NET)	95.8	52.3	66.0
22. UNIT CAPACITY FACTOR (USING DER NET)	93.6	51.0	64.4
23. UNIT FORCED OUTAGE RATE	7.8	4.4	9.3
24. SHUTDOWNS SCHEDULED OVER THE NEXT SIX MONTHS (TYPE, DATE AND DURATION):	N/A		
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 December 14, 1992  
 COMPLETED BY Leo Shanley  
 TELEPHONE (410)260-6744

REPORT MONTH November 1992

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
92-10	921115	F	0.0	B	5	N/A	SJ	P	Reduced power to inspect 12 Steam Generator Feed Pump (SGFP) for oil leaks.
92-11	921124	F	56.5	A	3	92-008	EL	BDUC	1. Automatic Reactor trip due to Main Generator ground fault. 2. Fault in isophase bus when inspection window and gasket became loose and fell into isophase bus duct. 3. Repaired inspection window. Long-term corrective actions are being evaluated.

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

<sup>2</sup> Reason:  
A - Equipment Failure  
B - Maintenance or Test  
C - Refueling  
D - Regulatory Restriction  
E - Operator Training & License Examination  
F - Administrative  
G - Operational Error  
H - Other

<sup>3</sup> Method:  
1 - Manual  
2 - Manual Scram.  
3 - Automatic Scram.  
4 - Continued  
5 - Reduced Load  
9 - Other

<sup>4</sup> IEEE Standard 805-1984

<sup>5</sup> IEEE Standard 803A-1983

# AVERAGE DAILY UNIT POWER LEVEL

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Docket No. 50-317  
Calvert Cliffs Unit No. 1  
December 14, 1992  
Prepared by Leo Shanley  
Telephone: (410) 260-6744

NOVEMBER 1992  
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Average Daily Power Level		Average Daily Power Level	
Day	(MWe-Net)	Day	(MWe-Net)
1	865	17	874
2	866	18	874
3	864	19	874
4	864	20	875
5	865	21	875
6	867	22	865
7	815	23	865
8	868	24	509
9	871	25	0
10	871	26	0
11	872	27	722
12	872	28	869
13	872	29	870
14	875	30	869
15	851		
16	846		

DOCKET NO. 50-317  
CALVERT CLIFFS - UNIT 1  
December 14, 1992

## SUMMARY OF OPERATING EXPERIENCE

November 1992

The unit began the month at 100% (865 MWe).

Power was reduced to approximately 90% (800 MWe) from 0320 on November 7 to 0700 on November 8 to test Main Turbine valves and clean Main Condenser waterboxes.

Power was reduced to 65% (540 MWe) from 2300 on November 15 to 0250 on November 16 to inspect 12 Steam Generator Feed Pump for oil leaks.

Power was reduced to 96% (835 MWe) from 1710 on November 22 to 1434 on November 23 to repair the Main Generator hydrogen seal oil tank level control valve.

An automatic reactor trip occurred at 1418 on November 24 due to a Main Generator ground fault. The isophase bus duct was repaired and the reactor was taken critical at 0320 on November 26. The unit was paralleled at 2250 after repairs were made to 11 Auxiliary Feed Pump which failed after the trip.

100% power (860 MWe) was reached at 1105 on November 27.

The unit ended the month at 100% (870 MWe).

December 4, 1992

REFUELING INFORMATION REQUEST

1. Name of facility: Calvert Cliffs Nuclear Power Plant, Unit No. 1.
2. Scheduled date for next refueling shutdown: March 5, 1994.
3. Scheduled date for restart following refueling: May 17, 1994.
4. Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?

None identified at this time.

5. Scheduled date(s) for submitting proposed licensing action and supporting information.

December 1993 for U1C12.

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) 1410.

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 1993

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UNIT 2

# OPERATING DATA REPORT

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Docket No. 50-318  
December 14, 1992  
Prepared by Leo Shanley  
Telephone: (410) 260-6744

## OPERATING STATUS

1. UNIT NAME	Calvert Cliffs Unit 2
2. REPORTING PERIOD	NOVEMBER 1992
3. LICENSED THERMAL POWER (MWT)	2700
4. NAMEPLATE RATING (GROSS MWe)	* 911
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
11. HOURS IN REPORTING PERIOD	720	8,040	137,352
12. NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	7,180.1	99,220.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1,296.6
14. HOURS GENERATOR ON LINE	720.0	7,115.6	97,837.8
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,941,456	19,007,801	249,147,107
17. GROSS ELECTRICAL ENERGY GEN'TED (MWH)	636,795	6,213,043	82,297,424
18. NET ELECTRICAL ENERGY GENERATED (MWH)	610,847	5,955,699	78,633,847
19. UNIT SERVICE FACTOR	100.0	88.5	71.2
20. UNIT AVAILABILITY FACTOR	100.0	88.5	71.2
21. UNIT CAPACITY FACTOR (USING MDC NET)	102.8	89.8	69.4
22. UNIT CAPACITY FACTOR (USING DER NET)	100.4	87.7	67.8
23. UNIT FORCED OUTAGE RATE	0.0	11.5	6.0
24. SHUTDOWNS SCHEDULED OVER THE NEXT SIX MONTHS (TYPE, DATE AND DURATION): Refueling, February 19, 1993 for 108 days			
25. IF UNIT IS SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STAFT-UP: N/A			

\* NOTE: Recalculated Nameplate Rating for Unit 2

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-318  
 UNIT NAME Calvert Cliffs-U2  
 DATE December 14, 1992  
 COMPLETED BY Leo Shanley  
 TELEPHONE (410)260-6744

REPORT MONTH November 1992

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
									There were no significant power reductions this month.

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

<sup>2</sup> Reason:  
 A - Equipment Failure  
 B - Maintenance or Test  
 C - Refueling  
 D - Regulatory Restriction  
 E - Operator Training & License Examination  
 F - Administrative  
 G - Operational Error  
 H - Other

<sup>3</sup> Method:  
 1 - Manual  
 2 - Manual Scram.  
 3 - Automatic Scram.  
 4 - Continued  
 5 - Reduced Load  
 9 - Other

<sup>4</sup> IEEE Standard 805-1984

<sup>5</sup> IEEE Standard 803A-1983



# AVERAGE DAILY UNIT POWER LEVEL

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Docket No. 50-318  
Calvert Cliffs Unit No. 2  
December 14, 1992  
Prepared by Leo Shanley  
Telephone: (410) 260-6744

NOVEMBER 1992

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Average Daily Power Level		Average Daily Power Level	
Day	(MWe-Net)	Day	(MWe-Net)
1	791	17	850
2	850	18	851
3	849	19	850
4	849	20	850
5	850	21	850
6	850	22	848
7	849	23	851
8	851	24	851
9	851	25	849
10	851	26	850
11	851	27	853
12	851	28	853
13	849	29	854
14	849	30	854
15	850		
16	850		

DOCKET NO. 50-318  
CALVERT CLIFFS - UNIT 2  
December 14, 1992

#### SUMMARY OF OPERATING EXPERIENCE

##### November 1992

The unit began the month at 90% (750 MWe) while cleaning Main Condenser waterboxes. The unit was returned to 100% (850 MWe) at 1545 on November 1.

Power was reduced to 96% (840 MWe) at 2118 on November 22 due to a Control Element Assembly dropping. The unit was returned to 100% (850 MWe) at 0130 on November 23.

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

December 4, 1992

REFUELING INFORMATION REQUEST

1. Name of facility: Calvert Cliffs Nuclear Power Plant, Unit No. 2
2. Scheduled date for next refueling shutdown: February 19, 1993.
3. Scheduled date for restart following refueling: June 7, 1993.\*
4. Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?

No.

5. Scheduled date(s) for submitting proposed licensing action and supporting information.

None required.

6. Important licensing considerations associated with the refueling.

The target length for this cycle will be 570 effective full power days.

7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool.  
(a) 217. (b) 1410.

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 1993

\*Entry has changed since last reported.