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P. E. DENTON  
GENERAL MANAGER  
CALVERT CLIFFS

January 13, 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  
December 1991 Operating Data Reports

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,

RED/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  
A. G. Howe, NRC  
R. I. McLean, DNR  
J. H. Walter, PSC  
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J. Wheelock, INPO

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UNIT 1

OPERATING DATA REPORT

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Docket No. 50-317  
January 13, 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	DECEMBER 1991
3. LICENSED THERMAL POWER (MWT)	2700
4. NAMEPLATE RATING (GROSS MWe)	518
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	744	8,760	145,957
12. NUMBER OF HOURS REACTOR WAS CRITICAL	554.5	6,687.0	103,299.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	3,019.4
14. HOURS GENERATOR ON LINE	546.6	6,640.6	101,050.5
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,399,106	17,305,793	254,336,507
17. GROSS ELECTRICAL ENERGY GEN'TED (MWH)	460,512	5,704,921	84,535,688
18. NET ELECTRICAL ENERGY GENERATED (MWH)	440,891	5,465,328	80,355,505
19. UNIT SERVICE FACTOR	73.5	75.8	69.2
20. UNIT AVAILABILITY FACTOR	73.5	75.8	69.2
21. UNIT CAPACITY FACTOR (USING MDC NET)	71.8	75.6	66.7
22. UNIT CAPACITY FACTOR (USING DER NET)	70.1	73.8	65.2
23. UNIT FORCED OUTAGE RATE	26.5	11.8	9.5
24. SHUTDOWNS SCHEDULED OVER THE NEXT			

SIX MONTHS (TYPE, DATE AND DURATION):

Refuel/Test, March 6, 1992 for 77 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 January 13, 1992  
 COMPLETED BY Leo Shanley  
 TELEPHONE (410)260-6744

REPORT MONTH December 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
91-09	911221	S	0.0	B	5	N/A	SF	VALVEX	Reduced power (60%) to allow for leak check and flush of SI-245 (12B SIT Outlet Check Valve) due to excessive back leakage.
91-10	911221	F	197.4	A	1	N/A	SF	VALVEX	(1) Shutdown to repair SI-245 following unsuccessful attempts to reduce leakage. (2) Replaced disk O-ring. (3) Evaluating replacement of valve during next scheduled outage.

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

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

# AVERAGE DAILY UNIT POWER LEVEL

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Docket No. 50-317  
Calvert Cliffs Unit No. 1  
January 13, 1992  
Completed by Leo Shanley  
Telephone: (410) 260-6744

DECEMBER 1991  
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Day	Average Daily Power Level (MWe-Net)	Day	Average Daily Power Level (MWe-Net)
1	856	17	856
2	855	18	855
3	855	19	855
4	855	20	855
5	855	21	423
6	854	22	0
7	854	23	0
8	855	24	0
9	856	25	0
10	855	26	0
11	855	27	0
12	855	28	0
13	855	29	0
14	804	30	221
15	814	31	717
16	856		

DOCKET #50-317  
CALVERT CLIFFS - UNIT 1  
January 13, 1992

## SUMMARY OF OPERATING EXPERIENCE

December 1991

The unit began the month at 100% power (855 MWe).

Power was reduced to 96% (800 MWe) at 0600 on December 14 to clean Main Cond. user waterboxes and test Main Turbine control valves. Power was lowered further to 92% (760 MWe) from 1500 to 1720 on December 15 to inspect Amertap screens. The unit returned to full power (860 MWe) at 2040.

Power was reduced to 60% (470 MWe) from 0410 to 1640 on December 21 to flush and leak check 12B Safety Injection Tank (SIT) outlet check valve (SI-245).

Following unsuccessful attempts to reduce SI-245 back leakage, the unit was shutdown to make repairs. The generator was removed from the grid at 2300 on December 21. The reactor was shutdown at 0025 on the 22nd and the unit was taken to hot shutdown (Mode 4) at 1204. While shutdown, 12B SIT outlet MOV was also repaired after it failed to open following maintenance on SI-245 (December 25).

Reactor Coolant System heatup commenced at 1230 on December 28. The reactor was taken critical at 2155 the next day and the generator was paralleled to the grid at 0426 on December 30.

Power was held at 29% (200 MWe) until 1350 on the December 30 for chemistry. At 1803, 60% power (470 MWe) was reached. Continuing problems with secondary chemistry precluded raising power until 0615 on December 31. Full power (850 MWe) was reached at 1206.

The unit ended the month at 100% power (855 MWe).

January 6, 1992

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.

Submitted, December 10, 1991.\*

6. Important licensing considerations associated with the refueling.

The Tech Spec concerning Unit 1 Cycle 11's maximum enrichment per reload core (4.35 w/o) must be approved prior to on loading the core.\*

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.



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UNIT 2

OPERATING DATA REPORT

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Docket No. 50-318  
January 13, 1992  
Prepared by Leo Shanley  
Telephone: (410) 260-6744

OPERATING STATUS

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1. UNIT NAME	Calvert Cliffs Unit 2
2. REPORTING PERIOD	DECEMBER 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	744	8,760	129,312
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	4,651.0	92,040.3
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1,296.6
14. HOURS GENERATOR ON LINE	744.0	4,517.3	90,722.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,013,806	11,749,888	230,139,306
17. GROSS ELECTRICAL ENERGY GEN'TED (MWH)	666,838	3,799,749	76,084,381
18. NET ELECTRICAL ENERGY GENERATED (MWH)	640,308	3,635,577	72,678,148
19. UNIT SERVICE FACTOR	100.0	51.6	70.2
20. UNIT AVAILABILITY FACTOR	100.0	51.6	70.2
21. UNIT CAPACITY FACTOR (USING MDC NET)	104.3	50.3	68.1
22. UNIT CAPACITY FACTOR (USING DER NET)	101.8	49.1	66.5
23. UNIT FORCED OUTAGE RATE	0.0	9.5	5.6
24. SHUTDOWNS SCHEDULED OVER THE NEXT SIX MONTHS (TYPE, DATE AND DURATION):	N/A		

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 January 13, 1992  
 COMPLETED BY Leo Shanley  
 TELEPHONE (410)260-5744

REPORT MONTH December 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
									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> Exhibit F - Instructions  
 for Preparation of Data  
 Entry Sheets for License  
 Event Report (LER) File  
 (NUREG-0161)

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



# AVERAGE DAILY UNIT POWER LEVEL

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Docket No. 50-318  
Calvert Cliffs Unit No. 2  
January 13, 1992  
Completed by Leo Shanley  
Telephone: (410) 260-6744

DECEMBER 1991  
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Day	Average Daily Power Level (MWe-Net)	Day	Average Daily Power Level (MWe-Net)
1	863	17	860
2	861	18	861
3	858	19	861
4	859	20	862
5	861	21	861
6	861	22	859
7	862	23	859
8	862	24	860
9	864	25	860
10	862	26	859
11	860	27	859
12	862	28	859
13	861	29	859
14	862	30	858
15	863	31	860
16	862		

DOCKET #50-318  
CALVERT CLIFFS - UNIT 2  
January 13, 1992

## SUMMARY OF OPERATING EXPERIENCE

December 1991

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

Power was reduced to 98% from 0645 on December 3 to 0045 on December 4 due to plant computer problems.

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

January 6, 1992

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.