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R E DENTON  
GENERAL MANAGER  
CALVERT CLIFFS

February 14, 1991

U.S. Nuclear Regulatory Commission  
Washington, DC 20555

ATTENTION: Document Control Desk

SUBJECT: Calvert Cliffs Nuclear Power Plant  
Unit Nos. 1 & 2; Dockets 50-317 and 50-318  
January 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

February 14, 1991

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 UNIT 1

OPERATING DATA REPORT

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Docket No. 50-317  
 February 14, 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	JANUARY 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
	-----		
11. HOURS IN REPORTING PERIOD	744	744	137,941
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	744.0	97,260.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	3,019.4
14. HOURS GENERATOR ON LINE	744.0	744.0	95,033.8
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,815,749	1,815,749	238,846,463
17. GROSS ELECTRICAL ENERGY GEN'TED (MWH)	602,374	602,374	79,433,141
18. NET ELECTRICAL ENERGY GENERATED (MWH)	575,716	575,716	75,465,893
19. UNIT SERVICE FACTOR	100.0	100.0	68.9
20. UNIT AVAILABILITY FACTOR	100.0	100.0	68.9
21. UNIT CAPACITY FACTOR (USING MDC NET)	93.8	93.8	66.3
22. UNIT CAPACITY FACTOR (USING DER NET)	91.6	91.6	64.7
23. UNIT FORCED OUTAGE RATE	0.0	0.0	9.3

24. SHUTDOWNS SCHEDULED OVER THE NEXT  
 SIX MONTHS (TYPE, DATE AND DURATION):  
 Maintenance/Test, February 2, 1991 for 14 days  
 Maintenance/Test, June 1, 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. 50-317UNIT NAME Calvert Cliffs-U1DATE February 14, 1991COMPLETED BY Leo ShanleyTELEPHONE (301)260-6744REPORT MONTH January 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
91-01	910104	F	0.0	A	4	N/A	SF	VALVEX	<p>1) Power was reduced to 79% while evaluating the safety significance of leak-by on 12B Safety Injection Tank (SIT) outlet check valve.</p> <p>2) The safety analysis concluded that it was acceptable to operate at full power.</p> <p>3) Valve will be repaired during the next maintenance outage.</p>

<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  
 February 14, 1991  
 Completed by Leo Shanley  
 Telephone: (301) 260-6744

JANUARY 1991  
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Day	Average Daily Power Level (MWe-Net)	Day	Average Daily Power Level (MWe-Net)
1	863	17	674
2	834	18	678
3	862	19	824
4	814	20	861
5	673	21	863
6	676	22	862
7	677	23	862
8	676	24	862
9	675	25	862
10	675	26	862
11	673	27	863
12	673	28	863
13	673	29	862
14	672	30	863
15	673	31	864
16	675		



DOCKET # 50-317  
CALVERT CLIFFS - UNIT 1  
February 14, 1991

SUMMARY OF OPERATING EXPERIENCE

January 1991

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

Power was reduced to 80% (680 MWe) from 1300 to 1733 on 2 January. The power reduction accommodated the removal of a condensate demineralizer from service while maintaining full condensate flow through the remaining demineralizers.

Power was reduced to 79% (665 MWe) on 4 January after it was discovered that there was significant leak-by on 12B Safety Injection Tank (SIT) outlet check valve. An analysis was performed and it was concluded that the Unit could safely operate at full power. The Unit was returned to 100% (855 MWe) at 1030 on 19 January.

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

February 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 1, 1991. \* ( reload submittal )
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

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 UNIT 2

OPERATING DATA REPORT

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Docket No. 50-318  
 February 14, 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	JANUARY 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	744	121,296
12. NUMBER OF HOURS REACTOR WAS CRITICAL	0.0	0.0	87,437.3
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	71.1
20. UNIT AVAILABILITY FACTOR	0.0	0.0	71.1
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	0.0	69.0
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	0.0	67.4
23. UNIT FORCED OUTAGE RATE	0.0	0.0	5.3
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:	March 15, 1991		



UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-318

UNIT NAME Calvert Cliffs-U2

DATE February 14, 1991

COMPLETED BY Leo Shanley

TELEPHONE (301)260-6744

REPORT MONTH January 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
91-01	910101	S	744	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)  
H-Other (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  
 February 14, 1991  
 Completed by Leo Shanley  
 Telephone: (301) 260-6744

JANUARY 1991  
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Day	Average Daily Power Level (MWe-Net)	Day	Average Daily Power Level (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	31	0
16	0		

DOCKET # 50-318  
CALVERT CLIFFS - UNIT 2  
February 14, 1991

SUMMARY OF OPERATING EXPERIENCE

January 1991

The unit began the month in a continued shutdown for the 8th Cycle Refueling Outage.

Reactor vessel reassembly and the integrated Leak Rate Test were completed.

Maintenance and Surveillance Test Procedures continued in preparation for drawing a bubble in the pressurizer, establishing secondary vacuum, plant heatup and reactor startup.

The unit is scheduled to return to service on March 15, 1991.

February 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 20, 1989.\*\*
3. Scheduled date for restart following refueling: March 15, 1991.\*
4. Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?

Unit reload license and necessary technical specification changes are approved. The Unit is in an extended refueling shutdown to support system maintenance.

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

Unit reload license has been approved. The Unit is in an extended refueling shutdown to support system maintenance.

6. Important licensing considerations associated with the refueling.

Reload fuel will be similar to reload fuel inserted into the previous cycle except for the 4.3% enrichment, debris resistant fuel design, and four fuel assemblies containing an alternative burnable absorber. Changes will be made to the on line incore monitoring program.

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. \*

\*\* UNIT CURRENTLY IN REFUELING SHUT DOWN

\* ENTRY HAS CHANGED SINCE LAST REPORTED