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R. E. DENTON  
GENERAL MANAGER  
CALVERT CLIFFS

February 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  
January 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,

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  
P. R. Wilson, NRC  
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J. H. Walter, PSC  
R. A. Hartfield, NRC  
P. Lewis, INPO

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 UNIT 1

OPERATING DATA REPORT

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Docket No. 50-317  
 February 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	JANUARY 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	744	744	146,701
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	744.0	104,043.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	3,019.4
14. HOURS GENERATOR ON LINE	744.0	744.0	101,794.5
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,997,225	1,997,225	256,333,732
17. GROSS ELECTRICAL ENERGY GEN'TED (MWH)	662,691	662,691	85,198,379
18. NET ELECTRICAL ENERGY GENERATED (MWH)	636,131	636,131	80,991,636
19. UNIT SERVICE FACTOR	100.0	100.0	69.4
20. UNIT AVAILABILITY FACTOR	100.0	100.0	69.4
21. UNIT CAPACITY FACTOR (USING MDC NET)	103.6	103.6	66.9
22. UNIT CAPACITY FACTOR (USING DER NET)	101.2	101.2	65.3
23. UNIT FORCED OUTAGE RATE	0.0	0.0	9.4
24. SHUTDOWNS SCHEDULED OVER THE NEXT SIX MONTHS (TYPE, DATE AND DURATION):	Refuel/Test, March 20, 1992 for 86 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 February 14, 1992  
 COMPLETED BY Leo Shanley  
 TELEPHONE (410)260-6744

REPORT MONTH January 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
<p align="center">There were no significant power reductions this month.</p>									

<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  
 February 14, 1992  
 Prepared by Leo Shanley  
 Telephone: (410) 260-6744

JANUARY 1992  
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Day	Average Daily Power Level (MWe-Net)	Day	Average Daily Power Level (MWe-Net)
1	855	17	856
2	857	18	856
3	854	19	856
4	856	20	854
5	846	21	856
6	858	22	857
7	857	23	856
8	859	24	857
9	858	25	839
10	859	26	828
11	858	27	856
12	856	28	858
13	857	29	857
14	857	30	858
15	857	31	858
16	857		

DOCKET #50-317  
CALVERT CLIFFS - UNIT 1  
February 14, 1992

## SUMMARY OF OPERATING EXPERIENCE

January 1992

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

Power was reduced to 96% from 0810 to 1530 on January 5 to check for potential tube leaks in 11B Main Condenser. No leaks were found.

Power was reduced to 93% (805 MWe) from 1615 on January 25 to 1450 on January 26 to repair tube leaks in 11B Main Condenser.

Power was reduced to 99% (850 MWe) from 0515 to 1215 on January 29 due to plant computer problems.

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

February 7 , 1992

REFUELING INFORMATION REQUEST

1. Name of facility: Calvert Cliffs Nuclear Power Plant, Unit No. 1.
2. Scheduled date for next refueling shutdown: March 20, 1992 \*.
3. Scheduled date for restart following refueling: June 15, 1992 \*.
4. Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?

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.\*

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.  
  
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, 1992  
 Prepared by Leo Shanley  
 Telephone: (410) 260-6744

OPERATING STATUS

1. UNIT NAME	Calvert Cliffs Unit 2
2. REPORTING PERIOD	JANUARY 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	744	744	130,056
12. NUMBER OF HOURS REACTOR WAS CRITICAL	714.5	714.5	92,754.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1,296.6
14. HOURS GENERATOR ON LINE	694.8	694.8	91,417.0
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,819,166	1,819,166	231,958,472
17. GROSS ELECTRICAL ENERGY GEN'ATED (MWH)	615,161	615,161	76,699,542
18. NET ELECTRICAL ENERGY GENERATED (MWH)	590,362	590,362	73,268,510
19. UNIT SERVICE FACTOR	93.4	93.4	70.3
20. UNIT AVAILABILITY FACTOR	93.4	93.4	70.3
21. UNIT CAPACITY FACTOR (USING MDC NET)	96.2	96.2	68.3
22. UNIT CAPACITY FACTOR (USING DER NET)	93.9	93.9	66.7
23. UNIT FORCED OUTAGE RATE	6.6	6.6	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 February 14, 1992  
 COMPLETED BY Leo Shanley  
 TELEPHONE (410)260-6744

REPORT MONTH January 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
92-01	920102	F	49.2	A	2	92-001	HB	VALVEX	1) A manual trip was initiated after leakage from a failed Feedwater Heater (FWH) relief valve caused grounds in the electrical system and a charging pump tripped without apparent cause.  2) Relief valve was replaced and electrical grounds were cleared.  3) An engineering evaluation of the high pressure FWHi relief valves will be performed.

<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. 50-313  
 Calvert Cliffs Unit No. 2  
 February 14, 1992  
 Prepared by Leo Shanley  
 Telephone: (410) 260-6744

JANUARY 1992  
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Average Daily Power Level		Average Daily Power Level	
Day	(MWe-Net)	Day	(MWe-Net)
1	862	17	862
2	788	18	863
3	0	19	863
4	0	20	864
5	518	21	864
6	864	22	851
7	863	23	851
8	863	24	865
9	864	25	864
10	864	26	864
11	865	27	865
12	865	28	866
13	864	29	858
14	864	30	866
15	863	31	862
16	862		

DOCKET #50-318  
CALVERT CLIFFS - UNIT 2  
February 14, 1992

## SUMMARY OF OPERATING EXPERIENCE

January 1992

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

Power was reduced to 92% at 1945 on January 2 to repair 22 Heater Drain Tank (HDT) normal level controller. While returning the Heater Drain System to normal after maintenance, the tube side relief valve for 26B Feedwater Heater (FWH) lifted and failed to reseal. The reactor was manually tripped at 2219 because of concerns that the leaking feedwater might be causing grounds on safety-related equipment.

The FWH relief valve was repaired and the reactor was taken critical at 0305 on January 4. Parallel to the grid was delayed until 2331 while repairing a Turbine Bypass valve. Full power (855 MWe) was reached at 2045 on January 5.

Power was reduced to 97% (830 MWe) from 1520 on January 22 to 1015 on January 23 to repair 26A FWH tube side relief valve.

Power was reduced to 99% (847 MWe) from 0145 to 1310 on January 29 due to plant computer problems.

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

February 7, 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.