



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

CHARLES H. CRUSE
PLANT GENERAL MANAGER
CALVERT CLIFFS

March 12, 1993

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
February 1993 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,

CHC/LBS/bjd

Attachments

cc: D. A. Brune, Esquire
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UNIT 1

OPERATING DATA REPORT

Docket No. 50-317
March 12, 1993
Prepared by Leo Shanley
Telephone: (410) 260-6744

OPERATING STATUS

1. UNIT NAME	Calvert Cliffs Unit 1
2. REPORTING PERIOD	FEBRUARY 1993
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	672	1,416	156,157
12. NUMBER OF HOURS REACTOR WAS CRITICAL	672.0	1,416.0	109,766.0
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	3,019.4
14. HOURS GENERATOR ON LINE	672.0	1,416.0	107,394.9
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,812,741	3,817,267	271,096,118
17. GROSS ELECTRICAL ENERGY GEN'TED (MWH)	611,488	1,284,804	90,112,338
18. NET ELECTRICAL ENERGY GENERATED (MWH)	587,531	1,234,557	85,703,943
19. UNIT SERVICE FACTOR	100.0	100.0	68.8
20. UNIT AVAILABILITY FACTOR	100.0	100.0	68.8
21. UNIT CAPACITY FACTOR (USING MDC NET)	106.0	105.7	66.5
22. UNIT CAPACITY FACTOR (USING DER NET)	103.5	103.2	65.0
23. UNIT FORCEL OUTAGE RATE	0.0	0.0	9.1
24. SHUTDOWNS SCHEDULED OVER THE NEXT			

SIX MONTHS (TYPE, DATE AND DURATION):

Maintenance, October 1, 1993 for 18 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 March 12, 1993
 COMPLETED BY Leo Shanley
 TELEPHONE (410)260-6744

REPORT MONTH February 1993

NO.	DATE	TYPE ¹	DURATION (HOURS)	REASON ²	METHOD OF SHUTTING DOWN REACTOR ³	LICENSEE EVENT REPORT #	SYSTEM CODE ⁴	COMPONENT CODE ⁵	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
									There were no significant power reductions this month.

¹ F: Forced
 S: Scheduled

² 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

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

⁴ IEEE Standard 805-1984

⁵ IEEE Standard 803A-1983

AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-317
Calvert Cliffs Unit No. 1
March 12, 1993
Prepared by Leo Shanley
Telephone: (410) 260-6744

FEBRUARY 1993

Day	Average Daily Power Level (MWe-Net)	Day	Average Daily Power Level (MWe-Net)
1	874	17	877
2	875	18	876
3	873	19	864
4	874	20	871
5	876	21	873
6	876	22	873
7	876	23	873
8	876	24	872
9	876	25	873
10	876	26	872
11	877	27	873
12	876	28	873
13	877		
14	877		
15	877		
16	876		

DOCKET NO. 50-317
CALVERT CLIFFS - UNIT 1
March 12, 1993

SUMMARY OF OPERATING EXPERIENCE

February 1993

The unit began the month at 100% (875 MWe).

Power was reduced to 95% (830 MWe) from 0305 to 0830 on February 19 due to a tube leak in 11 Main Condenser.

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

March 8, 1993

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:
None identified at this time.
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 UIC12.
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) 4710. (NOTE 1) (b) 0.
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 2014

NOTE 1: 4710 total licensed site storage capacity.
(1830 pool + 2880 ISFSI)

UNIT 2

OPERATING DATA REPORT

Docket No. 50-318
March 12, 1993
Prepared by Leo Shanley
Telephone: (410) 260-6744

OPERATING STATUS

1. UNIT NAME	Calvert Cliffs Unit 2
2. REPORTING PERIOD	FEBRUARY 1993
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
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11. HOURS IN REPORTING PERIOD	672	1,416	139,512
12. NUMBER OF HOURS REACTOR WAS CRITICAL	459.6	1,203.6	101,168.0
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1,296.6
14. HOURS GENERATOR ON LINE	457.7	1,201.7	99,783.5
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,228,474	3,222,124	254,366,916
17. GROSS ELECTRICAL ENERGY GEN'TED(MWH)	408,289	1,072,647	84,031,425
18. NET ELECTRICAL ENERGY GENERATED(MWH)	391,600	1,029,160	80,297,589
19. UNIT SERVICE FACTOR	68.1	84.9	71.5
20. UNIT AVAILABILITY FACTOR	68.1	84.9	71.5
21. UNIT CAPACITY FACTOR (USING MDC NET)	70.6	88.1	69.8
22. UNIT CAPACITY FACTOR (USING DER NET)	69.0	86.0	68.1
23. UNIT FORCED OUTAGE RATE	0.0	0.0	5.9
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:	June 4, 1993		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-318
 UNIT NAME Calvert Cliffs-U2
 DATE March 12, 1993
 COMPLETED BY Leo Shanley
 TELEPHONE (410)260-6744

REPORT MONTH February 1993

NO.	DATE	TYPE ¹	DURATION (HOURS)	REASON ²	METHOD OF SHUTTING DOWN REACTOR ³	LICENSEE EVENT REPORT #	SYSTEM CODE ⁴	COMPONENT CODE ⁵	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
93-01	930220	S	214.3	C	1	N/A	N/A	N/A	Unit shutdown for planned Refueling Outage.

¹ F: Forced
 S: Scheduled

² 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

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

⁴ IEEE Standard 805-1984

⁵ IEEE Standard 803A-1983

AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-318
Calvert Cliffs Unit No. 2
March 12, 1993
Prepared by Leo Shanley
Telephone: (410) 260-6744

FEBRUARY 1993

Day	Average Daily Power Level (MWe-Net)	Day	Average Daily Power Level (MWe-Net)
1	860	17	861
2	861	18	861
3	861	19	826
4	861	20	0
5	860	21	0
6	860	22	0
7	861	23	0
8	860	24	0
9	861	25	0
10	861	26	0
11	861	27	0
12	861	28	0
13	861		
14	861		
15	860		
16	860		

DOCKET NO. 50-318
CALVERT CLIFFS - UNIT 2
March 12, 1993

SUMMARY OF OPERATING EXPERIENCE

February 1993

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

Power reduction for the scheduled Refueling Outage was commenced at 2120 on February 19. The unit was taken off-line on February 20 at 0140 and the reactor was shutdown at 0335.

The unit ended the month in cold shutdown (Mode 5) with preparations being made to defuel the reactor.

March 8, 1993

REFUELING INFORMATION REQUEST

1. Name of facility: Calvert Cliffs Nuclear Power Plant, Unit No. 2
2. Scheduled date for next refueling shutdown: Currently in Refueling/Next Refueling, March 1995.*
3. Scheduled date for restart following refueling: June 4, 1993/unknown.*
4. Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?

No/unknown.*
5. Scheduled date(s) for submitting proposed licensing action and supporting information.

None required/unknown.*
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) 4710 (NOTE 1) (b) 0.
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 2016.

*Entry has changed since last reported.

NOTE 1: 4710 total licensed site storage capacity.
(1830 pool + 2880 ISFSI)