
UNIT 1

OPERATING DATA REPORT

Docket No. 50-317
January 15, 1996
Prepared by Herman O. Olsen
Telephone: (410)260-6734

OPERATING STATUS

1. UNIT NAME	Calvert Cliffs Unit 1
2. REPORTING PERIOD	DECEMBER 1995
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)	865
7. MAXIMUM DEPENDABLE CAP'Y (NET MWe)	835
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	181,021
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	8,545.4	131,426.1
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	3,019.4
14. HOURS GENERATOR ON LINE	744.0	8,487.2	128,723.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,931,876	22,334,111	327,502,004
17. GROSS ELECTRICAL ENERGY GEN'TED (MWH)	641,956	7,341,084	108,711,700
18. NET ELECTRICAL ENERGY GENERATED (MWH)	615,632	7,030,225	103,524,493
19. UNIT SERVICE FACTOR	100.0	96.9	71.1
20. UNIT AVAILABILITY FACTOR	100.0	96.9	71.1
21. UNIT CAPACITY FACTOR (USING MDC NET)	99.1	96.1	69.2
22. UNIT CAPACITY FACTOR (USING DER NET)	97.9	95.0	67.7
23. UNIT FORCED OUTAGE RATE	0.0	3.1	8.5
24. SHUTDOWNS SCHEDULED OVER THE NEXT SIX MONTHS (TYPE, DATE AND DURATION):			
Refueling 03/15/96 54 days			
25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF START-UP:			
N/A			

AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-317
 Calvert Cliffs Unit No. 1
 January 15, 1996
 Prepared by Herman C. Olsen
 Telephone: (410) 260-6734

DECEMBER 1995

Day	Average Daily Power Level (MWe-Net)	Day	Average Daily Power Level (MWe-Net)
1	584	17	863
2	579	18	862
3	650	19	863
4	854	20	864
5	863	21	863
6	863	22	863
7	863	23	863
8	860	24	863
9	585	25	863
10	834	26	862
11	862	27	863
12	861	28	863
13	862	29	863
14	861	30	863
15	862	31	863
16	863		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-317
 UNIT NAME Calvert Cliffs-U1
 DATE January 15, 1996
 COMPLETED BY Herman O. Olsen
 TELEPHONE (410) 260-6734

REPORT MONTH December 1995

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
95-007	112095	F	74.5	H	5		JK	SCO	On 11/20/95 at 1640 reactor power was restored to 70% while trouble shooting and repairs were made to #12 Steam Generator Feed Pump Control system. Power remained at 70% until 12/03/95. Power was restored to 100% on 12/04/95 at 0230 following maintenance and testing of #12 Steam Generator Feed Pump Control System.
95-008	120895	S	7.8	B	5		JK	SCO	On 12/08/95 at 2230 a scheduled reduction in power was commenced. Power was lowered to 70% to perform maintenance and testing of #11 Steam Generator Feed Pump and Control system. Power was restored to 100% on 12/09/95 at 0615.

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

REFUELING INFORMATION REQUEST

1. Name of facility: Calvert Cliffs Nuclear Power Plant, Unit No. 1.
2. Scheduled date for next refueling shutdown: March 15, 1996 #
3. Scheduled date for restart following refueling: May 8, 1996 #
4. Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?

Yes.

- a. License amendment to allow installation of a new diesel generator.
 - b. License amendment to reflect the new electrical distribution system configuration.
 - c. An amendment and exemption to allow the use of four lead fuel assemblies with advance cladding materials.
 - d. License amendment to extend some instrument surveillances to allow a delayed start of the refueling outage.
 - e. License amendment to extend the requirement to do an ILRT so that the test does not have to be performed this outage.
 - f. License amendment to modify the MTC limits to account for additional steam generator tubes plugged.
 - g. License amendment which would allow the sleeving of steam generator tubes as a repair method.
5. Scheduled date(s) for submitting proposed licensing action and supporting information.
 - a. October 2, 1995
 - b. November 1, 1995
 - c. July 13, 1995
 - d. October 20, 1995
 - e. January 1996*
 - f. January 1996
 - g. November 30, 1995 *
 6. Important licensing considerations associated with the refueling.

Physical modifications required to bring Calvert Cliffs in compliance with the Station Blackout rule will be completed in the 1996 Unit 1 refueling outage.

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

(a) 217 (b) 1434 (Note 2)

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 2007

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

NOTE 2: 240 Spent Fuel Assemblies in the ISFSI.

* Entry has changed since last reported.

These are the dates reported in the Business Plan.

DOCKET NO. 50-317
CALVERT CLIFFS - UNIT 1
January 15, 1996

SUMMARY OF OPERATING EXPERIENCE

December 1995

The unit began the month at 70% (575 MWe) while inspections and repairs were made to #12 Steam Generator Feed Pump Control System. Following testing, power was increased on 12/03/95 and restored to 100% on 12/04/95 at 0230.

Power was reduced to 70% on 12/09/95 at 0130 to allow scheduled maintenance to be performed on #11 Steam Generator Feed Pump and Control System. Following testing, power was restored to 100% on 12/10/95 at 0615.

The unit continued to operate at 100% power (860 MWe) for the remainder of the month.

 UNIT 2

OPERATING DATA REPORT

Docket No. 50-318
 January 15, 1996
 Prepared by Herman O. Olsen
 Telephone: (410)260-6734

OPERATING STATUS

1. UNIT NAME	Calvert Cliffs Unit 2
2. REPORTING PERIOD	DECEMBER 1995
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)	870
7. MAXIMUM DEPENDABLE CAP'Y (NET MWe)	840
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	8,760	164,376
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	7,205.8	121,242.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1,296.6
14. HOURS GENERATOR ON LINE	744.0	7,122.7	119,573.4
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,005,262	18,833,282	306,330,211
17. GROSS ELECTRICAL ENERGY GEN'TED (MWH)	665,679	6,174,219	101,189,528
18. NET ELECTRICAL ENERGY GENERATED (MWH)	639,695	5,907,834	96,729,444
19. UNIT SERVICE FACTOR	100.0	81.3	72.7
20. UNIT AVAILABILITY FACTOR	100.0	81.3	72.7
21. UNIT CAPACITY FACTOR (USING MDC NET)	102.4	80.3	71.2
22. UNIT CAPACITY FACTOR (USING DER NET)	101.8	79.8	69.5
23. UNIT FORCED OUTAGE RATE	0.0	2.5	5.7
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		

AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-318
 Calvert Cliffs Unit No. 2
 January 15, 1996
 Prepared by Herman O. Olsen
 Telephone: (410) 260-6734

DECEMBER 1995

Average Daily Power Level		Average Daily Power Level	
Day	(MWe-Net)	Day	(MWe-Net)
1	861	17	860
2	857	18	860
3	859	19	860
4	861	20	860
5	860	21	861
6	860	22	860
7	859	23	860
8	859	24	860
9	859	25	860
10	859	26	860
11	859	27	860
12	859	28	861
13	859	29	860
14	860	30	860
15	860	31	860
16	860		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-318
 UNIT NAME Calvert Cliffs-U2
 DATE January 15, 1996
 COMPLETED BY Herman O. Olsen
 TELEPHONE (410) 260-6734

REPORT MONTH December 1995

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 for 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

REFUELING INFORMATION REQUEST

1. Name of facility: Calvert Cliffs Nuclear Power Plant, Unit No. 2
2. Scheduled date for next refueling shutdown: March 14, 1997 #
3. Scheduled date for restart following refueling: April 23, 1997 #
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.
6. Important licensing considerations associated with the refueling.

None.
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool.

(a) 217 (b) 1434 (Note 2)

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 2007

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

NOTE 2: 240 Spent Fuel Assemblies in the ISFSI.

* Entry has changed since last reported.

These are the dates reported in the Business Plan.

DOCKET NO. 50-318
CALVERT CLIFFS - UNIT 2
January 15, 1996

SUMMARY OF OPERATING EXPERIENCE

December 1995

The unit began the month at 100% power (855 MWe). On 12/02/95 at 0425 power was reduced to 97% to perform maintenance on the saltwater system. Following verification of sufficient condenser vacuum, power was returned to 100% at 0745.

The unit continued to operate at 100% power (860 MWe) for the remainder of the month.

UNIT 2

OPERATING DATA REPORT

Docket No. 50-318
January 15, 1996
Prepared by Herman O. Olsen
Telephone: (410)260-6734

OPERATING STATUS

- 1. UNIT NAME Calvert Cliffs Unit 2
- 2. REPORTING PERIOD DECEMBER 1995
- 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) 870
- 7. MAXIMUM DEPENDABLE CAP'Y (NET MWe) 840
- 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	8,760	164,376
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	7,205.8	121,242.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1,296.6
14. HOURS GENERATOR ON LINE	744.0	7,122.7	119,573.4
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,005,262	18,833,282	306,330,211
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21. UNIT CAPACITY FACTOR (USING MDC NET)	102.4	80.3	71.2
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23. UNIT FORCED OUTAGE RATE	0.0	2.5	5.7

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

AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-318
 Calvert Cliffs Unit No. 2
 January 15, 1996
 Prepared by Herman O. Olsen
 Telephone: (410) 260-6734

DECEMBER 1995

Day	Average Daily Power Level (MWe-Net)	Day	Average Daily Power Level (MWe-Net)
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3	859	19	860
4	861	20	860
5	860	21	861
6	360	22	860
7	859	23	860
8	859	24	860
9	859	25	860
10	859	26	860
11	859	27	860
12	859	28	861
13	859	29	860
14	860	30	860
15	860	31	860
16	860		

REFUELING INFORMATION REQUEST

- 1. Name of facility: Calvert Cliffs Nuclear Power Plant, Unit No. 2
- 2. Scheduled date for next refueling shutdown: March 14, 1997 #
- 3. Scheduled date for restart following refueling: April 23, 1997 #
- 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.
- 6. important licensing considerations associated with the refueling.

None.
- 7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool.

(a) 217	(b) 1434 (Note 2)
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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
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- 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 2007

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

NOTE 2: 240 Spent Fuel Assemblies in the ISFSI.

- * Entry has changed since last reported.
- # These are the dates reported in the Business Plan.

DOCKET NO. 50-318
CALVERT CLIFFS - UNIT 2
Januray 15, 1996

SUMMARY OF OPERATING EXPERIENCE

December 1995

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The unit continued to operate at 100% power (860 MWe) for the remainder of the month.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-318
 UNIT NAME Calvert Cliffs-U2
 DATE January 15, 1996
 COMPLETED BY Herman O. Oisen
 TELEPHONE (410) 260-6734

REPORT MONTH December 1995

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 for this month.

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S: Scheduled

² Reason:
 A - Equipment Failure
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³ Method:
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⁴ IEEE Standard 805-1984

⁵ IEEE Standard 803A-1983