

CHARLES H. CRUSE
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Baltimore Gas and Electric Company
Calvert Cliffs Nuclear Power Plant
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Lusby, Maryland 20657
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410 260-4101 Baltimore



November 15, 1995

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
October 1995 Operating Data Reports

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/HOO/bjd

Attachments

cc: D. A. Brune, Esquire
J. E. Silberg, Esquire
L. B. Marsh, NRC
D. G. McDonald, Jr., NRC
T. T. Martin, NRC
Resident Inspector, NRC

R. A. Hartfield, NRC
R. I. McLean, DNR
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 UNIT 1

OPERATING DATA REPORT

 Docket No. 50-317
 November 15, 1995
 Prepared by Herman O. Olsen
 Telephone: (410) 260-6734

OPERATING STATUS

1. UNIT NAME	Calvert Cliffs Unit 1
2. REPORTING PERIOD	OCTOBER 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

11. HOURS IN REPORTING PERIOD	745	7,296	179,557
12. NUMBER OF HOURS REACTOR WAS CRITICAL	745.0	7,190.4	130,071.1
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	3,019.4
14. HOURS GENERATOR ON LINE	745.0	7,179.0	127,415.5
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,995,187	19,111,056	324,278,949
17. GROSS ELECTRICAL ENERGY GEN'TED (MWH)	650,427	6,275,783	107,646,399
18. NET ELECTRICAL ENERGY GENERATED (MWH)	623,792	6,016,217	102,510,485
19. UNIT SERVICE FACTOR	100.0	98.4	71.0
20. UNIT AVAILABILITY FACTOR	100.0	98.4	71.0
21. UNIT CAPACITY FACTOR (USING MDC NET)	100.3	98.8	69.1
22. UNIT CAPACITY FACTOR (USING DER NET)	99.1	97.6	67.6
23. UNIT FORCED OUTAGE RATE	0.0	1.6	8.5

24. SHUTDOWNS SCHEDULED OVER THE NEXT
 SIX MONTHS (TYPE, DATE AND DURATION):
 Refueling 03/15/96 47 days

* Time change

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
 November 15, 1995
 Prepared by Herman O. Olsen
 Telephone: (410) 260-6734

OCTOBER 1995

Day	Average Daily Power Level (MWe-Net)	Day	Average Daily Power Level (MWe-Net)
1	839	17	849
2	839	18	848
3	838	19	850
4	838	20	850
5	837	21	851
6	837	22	852
7	835	23	852
8	834	24	845
9	838	25	849
10	834	26	855
11	833	27	827
12	832	28	851
13	833	29	889
14	757	30	854
15	747		
16	847		

DOCKET NO. 50-317
CALVERT CLIFFS - UNIT 1
November 15, 1995

SUMMARY OF OPERATING EXPERIENCE

October 1995

The unit began the month at 100% (835 MWe).

A scheduled power reduction commenced at 0410 on 10/14/95. The reduction was required to clean waterboxes. Power was reduced to 90% at 0510. Power was increased at 2210 on 10/15/95 and returned to 100% at 0000 on 10/16/95.

Power was reduced to 95% at 0955 on 10/27/95 to allow securing of a Circulating Water pump. The unit remained at the reduced power to investigate a suspected waterbox saltwater leak. No leakage was found and power was returned to 100% at 0045 on 10/28/95.

The unit continued to operate at 100% power (840 MWe) for the remainder of the month.

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 1, 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 1995 *
 - c. July 13, 1995
 - d. October 20, 1995*
 - e. November 1995 *
 - f. January 1996 *
 - g. November 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.**

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-317
 UNIT NAME Calvert Cliffs-U1
 DATE November 15, 1995
 COMPLETED BY Herman O. Olsen
 TELEPHONE (410) 260-6734

REPORT MONTH: October 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

 UNIT 2

OPERATING DATA REPORT

Docket No. 50-318
 November 15, 1995
 Prepared by Herman O. Olsen
 Telephone: (410)260-6734

OPERATING STATUS

1. UNIT NAME	Calvert Cliffs Unit 2
2. REPORTING PERIOD	OCTOBER 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	745	7,296	162,912
12. NUMBER OF HOURS REACTOR WAS CRITICAL	745.0	5,741.8	119,778.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1,296.6
14. HOURS GENERATOR ON LINE	745.0	5,658.7	118,109.4
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,995,880	14,887,038	302,383,967
17. GROSS ELECTRICAL ENERGY GEN'TED (MWH)	653,313	4,866,296	99,881,605
18. NET ELECTRICAL ENERGY GENERATED (MWH)	627,239	4,650,795	95,472,405
19. UNIT SERVICE FACTOR	100.0	77.6	72.5
20. UNIT AVAILABILITY FACTOR	100.0	77.6	72.5
21. UNIT CAPACITY FACTOR (USING MDC NET)	100.2	75.9	70.9
22. UNIT CAPACITY FACTOR (USING DER NET)	99.6	75.4	69.4
23. UNIT FORCED OUTAGE RATE	0.0	3.2	5.7
24. SHUTDOWNS SCHEDULED OVER THE NEXT SIX MONTHS (TYPE, DATE AND DURATION):	N/A	* Time change	
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
 November 15, 1995
 Prepared by Herman O. Olsen
 Telephone: (410) 260-6734

OCTOBER 1995

Average Daily Power Level		Average Daily Power Level	
Day	(MWe-Net)	Day	(MWe-Net)
1	844	17	848
2	845	18	850
3	843	19	848
4	843	20	849
5	844	21	849
6	845	22	849
7	844	23	849
8	844	24	857
9	840	25	853
10	844	26	848
11	845	27	851
12	845	28	851
13	839	29	888
14	744	30	853
15	781		
16	845		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-318
 UNIT NAME Calvert Cliffs-U2
 DATE November 15, 1995
 COMPLETED BY Herman O. Olsen
 TELEPHONE (410) 260-6734

REPORT MONTH October 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

DOCKET NO. 50-318
CALVERT CLIFFS - UNIT 2
November 15, 1995

SUMMARY OF OPERATING EXPERIENCE

October 1995

The unit began the month at 100% power (840 MWe).

A scheduled power reduction was performed at 2215 on 10/13/95. Power was reduced to 85% for waterbox cleaning and Main Turbine Valve testing. Power was returned to 100% at 1815 on 10/15/95.

On 10/16/95 at 0333 power was reduced to 87% when a turbine bypass valve failed open. The valve was isolated and power was restored to 100% at 0600.

The unit ended the month at 100% power (840 MWe).