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October 13, 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
September 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
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File # 02.05.04
NRC Chrono File

NRC 95-048

 UNIT 1

OPERATING DATA REPORT

 Docket No. 50-317
 October 13, 1995
 Prepared by Herman O. Olsen
 Telephone: (410) 260-6734

OPERATING STATUS

1. UNIT NAME	Calvert Cliffs Unit 1
2. REPORTING PERIOD	SEPTEMBER 1995
3. LICENSED THERMAL POWER (MWT)	2700
4. NAMEPLATE RATING (GROSS MWe)	918
5. DESIGN ELECTRICAL RATING (NET MWe)	845
6. MAXIMUM DEFENDABLE CAP'Y (GROSS MWe)	865
7. MAXIMUM DEFENDABLE 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	720	6,551	178,812
12. NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	6,445.4	129,326.1
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	3,019.4
14. HOURS GENERATOR ON LINE	720.0	6,434.0	126,670.5
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,893,730	17,115,869	322,283,762
17. GROSS ELECTRICAL ENERGY GEN'TED (MWH)	611,049	5,625,356	106,995,972
18. NET ELECTRICAL ENERGY GENERATED (MWH)	585,140	5,392,425	101,886,693
19. UNIT SERVICE FACTOR	100.0	98.2	70.8
20. UNIT AVAILABILITY FACTOR	100.0	98.2	70.8
21. UNIT CAPACITY FACTOR (USING MDC NET)	97.3	98.6	69.0
22. UNIT CAPACITY FACTOR (USING DER NET)	96.2	97.4	67.4
23. UNIT FORCED OUTAGE RATE	0.0	1.8	8.5
24. SHUTDOWNS SCHEDULED OVER THE NEXT SIX MONTHS (TYPE, DATE AND DURATION):	N/A		
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
 October 13, 1995
 Prepared by Herman O. Olsen
 Telephone: (410) 260-6734

SEPTEMBER 1995

Average Daily Power Level		Average Daily Power Level	
Day	(MWe-Net)	Day	(MWe-Net)
1	825	17	644
2	825	18	789
3	826	19	837
4	825	20	837
5	825	21	837
6	826	22	810
7	827	23	759
8	824	24	776
9	823	25	840
10	820	26	839
11	823	27	840
12	823	28	840
13	823	29	839
14	821	30	839
15	820		
16	698		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO 50-317
 UNIT NAME Calvert Cliffs-U1
 DATE October 13, 1995
 COMPLETED BY Herman O. Olsen
 TELEPHONE (410) 260-5734

REPORT MONTH September 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
95004	091695	S	56.3	B	5	N/A	BI	HX	On 09/16/95 at 0340 a scheduled power reduction to 78% was performed to conduct waterbox cleaning. Power was returned to 100% on 09/18/95 at 1200.

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 7, 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 allow the use of blind flanges for containment isolation in place of containment purge valves.
 - 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. September 1995
 - b. October 1995*
 - c. July 13, 1995
 - d. October 1995*
 - e. September 1995
 - f. November 1995
 - 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.**

DOCKET NO. 50-317
CALVERT CLIFFS - UNIT 1
October 13, 1995

SUMMARY OF OPERATING EXPERIENCE

September 1995

The unit began the month at 100% (825 MWe).

A scheduled power reduction commenced at 0340 on 09/16/95. The reduction was required to clean waterboxes. Power was reduced to 78% on 09/17/95 at 1215. Power was increased at 2210 and returned to 100% on 09/18/95 at 1200.

A second planned power reduction to clean waterboxes commenced at 1700 on 09/22/95. Power reached 90% at 1830 and remained constant until 1655 on 09/24/95. Power was restored to 100% at 2300.

The unit continued to operate at 100% power (835 MWe) for the remainder of the month.

 UNIT 2

OPERATING DATA REPORT

 Docket No. 50-318
 October 13, 1995
 Prepared by Herman O. Olsen
 Telephone: (410) 260-6734

OPERATING STATUS

- | | |
|---|-----------------------|
| 1. UNIT NAME | Calvert Cliffs Unit 2 |
| 2. REPORTING PERIOD | SEPTEMBER 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	720	6,551	162,167
12. NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	4,996.8	119,033.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1,296.6
14. HOURS GENERATOR ON LINE	720.0	4,913.7	117,364.4
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,863,726	12,891,158	300,388,087
17. GROSS ELECTRICAL ENERGY GEN'TED (MWH)	605,347	4,212,983	99,228,292
18. NET ELECTRICAL ENERGY GENERATED (MWH)	580,087	4,023,556	94,845,166
19. UNIT SERVICE FACTOR	100.0	75.0	72.4
20. UNIT AVAILABILITY FACTOR	100.0	75.0	72.4
21. UNIT CAPACITY FACTOR (USING MDC NET)	95.9	73.1	70.8
22. UNIT CAPACITY FACTOR (USING DER NET)	95.3	72.7	69.2
23. UNIT FORCED OUTAGE RATE	0.0	3.6	5.8
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
 October 13, 1995
 Prepared by Herman O. Olsen
 Telephone: (410) 260-6734

SEPTEMBER 1995

Day	Average Daily Power Level (MWe-Net)	Day	Average Daily Power Level (MWe-Net)
1	825	17	837
2	580	18	838
3	562	19	838
4	558	20	839
5	699	21	841
6	830	22	840
7	828	23	846
8	830	24	846
9	830	25	844
10	830	26	844
11	834	27	845
12	834	28	844
13	835	29	844
14	834	30	844
15	835		
16	837		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-318
 UNIT NAME Calvert Cliffs-U2
 DATE October 13, 1995
 COMPLETED BY Herman O. Olsen
 TELEPHONE (410) 260-6734

REPORT MONTH September 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
95-009	090295	S	89.4	B	5	N/A	SJ	SC	On 09/02/95 at 0115 a scheduled power reduction to 60% was performed to conduct Steam Generator Feed Pump Control System maintenance and waterbox cleaning. Power was restored to 100% on 09/02/95 at 1840.

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 1, 1997
3. Scheduled date for restart following refueling: April 9, 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.

DOCKET NO. 50-318
CALVERT CLIFFS - UNIT 2
October 13, 1995

SUMMARY OF OPERATING EXPERIENCE

September 1995

The unit began the month at 100% power (825 MWe).

A scheduled power reduction was performed on 09/02/95 at 0115. Power was reduced to 60% for waterbox cleaning and to perform maintenance on the Steam Generator Feed Pump Control System. Power was returned to 100% on 09/05/95 at 1840.

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