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December 15, 1994

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
November 1994 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/FP/bjd

Attachments

cc: D. A. Brune, Esquire
J. E. Silberg, Esquire
L. B. Marsh, NRC
D. G. McDonald, Jr., NRC
T. T. Martin, NRC
P. R. Wilson, NRC
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 UNIT 1

OPERATING DATA REPORT

Docket No. 50-317
 December 15, 1994
 Prepared by Frank Piazza
 Telephone: (410)260-3821

OPERATING STATUS

1. UNIT NAME	Calvert Cliffs Unit 1
2. REPORTING PERIOD	NOVEMBER 1994
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	720	8,016	171,517
12. NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	5,167.7	122,136.7
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	3,019.4
14. HOURS GENERATOR ON LINE	720.0	4,914.1	119,492.5
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,937,868	12,846,903	303,161,722
17. GROSS ELECTRICAL ENERGY GEN'TED (MWH)	645,255	4,226,113	100,699,659
18. NET ELECTRICAL ENERGY GENERATED (MWH)	619,677	4,045,493	95,849,775
19. UNIT SERVICE FACTOR	100.0	61.3	69.7
20. UNIT AVAILABILITY FACTOR	100.0	61.3	69.7
21. UNIT CAPACITY FACTOR (USING MDC NET)	103.1	60.6	67.7
22. UNIT CAPACITY FACTOR (USING DER NET)	101.9	59.7	66.1
23. UNIT FORCED OUTAGE RATE	0.0	12.7	8.9

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-317
 UNIT NAME Calvert Cliffs-U1
 DATE December 15, 1994
 COMPLETED BY Frank Piazza
 TELEPHONE (410) 260-3821

REPORT MONTH November 1994

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

AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-317
 Calvert Cliffs Unit No. 1
 December 15, 1994
 Prepared by Frank Piazza
 Telephone: (410) 260-3821

NOVEMBER 1994

Day	Average Daily Power Level (MWe-Net)	Day	Average Daily Power Level (MWe-Net)
1	856	17	863
2	858	18	863
3	858	19	844
4	858	20	851
5	859	21	852
6	860	22	864
7	861	23	865
8	861	24	865
9	860	25	865
10	861	26	865
11	862	27	865
12	862	28	866
13	861	29	866
14	861	30	832
15	861		
16	861		

DOCKET NO. 50-317
CALVERT CLIFFS - UNIT 1
December 15, 1994

SUMMARY OF OPERATING EXPERIENCE

November 1994

The unit began the month at 100% reactor power. On 11/19/94 at 0210 power was reduced to 96% for waterbox cleaning and amertap adjustments. Power was returned to 100% power (860 MWe) at 1205 on 11/19/94 and continued operating at 100% through the end 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, 1996.
3. Scheduled date for restart following refueling: May, 1996.
4. Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?

Yes.

- a. License amendment to reflect the new electrical distribution system configuration.*

5. Scheduled date(s) for submitting proposed licensing action and supporting information.

April 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) 1394 (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: 192 Spent Fuel Assemblies in the ISFSI.

* Entry has changed since last reported.

UNIT 2

OPERATING DATA REPORT

Docket No. 50-318
 December 15, 1994
 Prepared by Frank Piazza
 Telephone: (410)260-3821

OPERATING STATUS

1. UNIT NAME	Calvert Cliffs Unit 2
2. REPORTING PERIOD	NOVEMBER 1994
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	8,016	154,872
12. NUMBER OF HOURS REACTOR WAS CRITICAL	616.2	7,256.2	113,293.0
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1,296.6
14. HOURS GENERATOR ON LINE	599.1	7,183.1	111,706.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,574,473	18,630,746	285,496,289
17. GROSS ELECTRICAL ENERGY GEN'TED (MWH)	531,121	6,187,937	94,343,806
18. NET ELECTRICAL ENERGY GENERATED (MWH)	510,129	5,932,953	90,176,087
19. UNIT SERVICE FACTOR	83.2	89.6	72.1
20. UNIT AVAILABILITY FACTOR	83.2	89.6	72.1
21. UNIT CAPACITY FACTOR (USING MDC NET)	84.3	88.6	70.5
22. UNIT CAPACITY FACTOR (USING DER NET)	83.8	87.6	68.9
23. UNIT FORCED OUTAGE RATE	16.8	8.7	5.9
24. SHUTDOWNS SCHEDULED OVER THE NEXT SIX MONTHS (TYPE, DATE AND DURATION): March 17, 1995			
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 December 15, 1994
 COMPLETED BY Frank Piazza
 TELEPHONE (410) 260-3821

REPORT MONTH November 1994

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
94-013	941027	F	120.9	A	3	318/94-006	EL	IPBU	Unit tripped on 10/27/94 at 2353 from 100% reactor power due to loss of electrical load. The cause of the trip was due to a Reactor Protection System (RPS) actuation from an input signal from the Main Generator differential ground devices. The A phase transition links to the Isophase Bus Duct had failed. These links were replaced and the unit was again paralleled to the grid on 11/6/94 at 0051.

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

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
 December 15, 1994
 Prepared by Frank Piazza
 Telephone: (410) 260-3821

NOVEMBER 1994

Day	Average Daily Power Level (MWe-Net)	Day	Average Daily Power Level (MWe-Net)
1	0	17	869
2	0	18	868
3	0	19	844
4	0	20	847
5	0	21	868
6	474	22	868
7	863	23	868
8	867	24	868
9	868	25	868
10	867	26	868
11	868	27	869
12	868	28	868
13	868	29	869
14	868	30	834
15	867		
16	867		

DOCKET NO. 50-318
CALVERT CLIFFS - UNIT 2
December 15, 1994

SUMMARY OF OPERATING EXPERIENCE

November 1994

The unit began the month shutdown in mode 3 due to a reactor trip which occurred 10/27/94 for a loss of electrical load. The cause of the trip was due to a failure of the A phase transition links to the Isophase Bus Duct. The links were replaced and the unit was again paralleled to the grid at 0051 on 11/6/94. Power was slowly escalated at the request of the dispatcher due to low demand on the grid. Power was returned to 100% at 0200 on 11/7/94.

On 11/18/94 at 2315 power was reduced for Temperature Coefficient testing. Reactor power was reduced to 96.6% for the testing. The power was again returned to 100% at 2140 on 11/20/94 and remained there through the end of the month.

REFUELING INFORMATION REQUEST

1. Name of facility: Calvert Cliffs Nuclear Power Plant, Unit No. 2
2. Scheduled date for next refueling shutdown: March 17, 1995.*
3. Scheduled date for restart following refueling: May 20 1995.*
4. Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?

Yes.*

- a. Revision of the Design Features section to adopt Improved Standard Technical Specifications format.
 - b. License amendment to extend allowed out of service times for control room HVAC and emergency diesel generator to support Station Blackout modifications.
5. Scheduled date(s) for submitting proposed licensing action and supporting information.

- a. Submitted December 8, 1993
- b. Submitted September 23, 1994*

6. Important licensing considerations associated with the refueling.

An exemption from 10 CFR 50.46, 10 CFR 50.44, and Appendix K to 10 CFR 50 is required to load four lead fuel assemblies. The exemption was submitted November 1, 1994.*

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

(a) 217 (b) 1394 (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: 192 Spent Fuel Assemblies in the ISFSI.

* Entry has changed since last reported.