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Calvert Cliffs Nuclear Power Plant

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Calvert Cliffs Nuclear Power Plant
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Lusby, Maryland 20657
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August 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
July 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
P. R. Wilson, NRC

R. A. Hartfield, NRC
R. I. McLean, DNR
J. H. Walter, PSC
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K. N. Larson, ANI

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

SUMMARY OF OPERATING EXPERIENCE

July 1995

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

A power reduction commenced at 1416 on 07/31/95 due to high circulating water temperatures. Power was reduced to approximately 55% (410 MWe) to insure adequate heat removal by the Service Water System.

The unit remained at 55% power (410 MWe) through the end of the month while investigating the abnormally high circulating water temperatures.

UNIT SHUTDOWNS AND POWER REDUCTIONS

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

REPORT MONTH July 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
95002	073195	F	9.7	H	5	317/95-003	BI	HX	On 07/31/95 at 1416 power was reduced to approximately 55% due to high circulating water temperature. This reduction was required to insure adequate heat removal could be performed by the Service Water System. An investigation is on-going to determine the actions required to maintain saltwater inlet temperature below the maximum temperature allowed for Service Water System operability. The unit remained at approximately 55% through the end of the 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 1

OPERATING DATA REPORT

August 15, 1995

Prepared by Herman O. Olsen

Telephone: (410) 260-6734

OPERATING STATUS

1. UNIT NAME	Calvert Cliffs Unit 1
2. REPORTING PERIOD	JULY 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	744	5,087	177,348
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	4,981.4	127,862.1
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	3,019.4
14. HOURS GENERATOR ON LINE	744.0	4,970.0	125,206.5
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,995,187	13,308,637	318,476,530
17. GROSS ELECTRICAL ENERGY GEN'TED (MWH)	643,150	4,405,895	105,776,511
18. NET ELECTRICAL ENERGY GENERATED (MWH)	616,280	4,225,832	100,720,100
19. UNIT SERVICE FACTOR	100.0	97.7	70.6
20. UNIT AVAILABILITY FACTOR	100.0	97.7	70.6
21. UNIT CAPACITY FACTOR (USING MDC NET)	99.2	99.5	68.8
22. UNIT CAPACITY FACTOR (USING DER NET)	98.0	98.3	67.2
23. UNIT FORCED OUTAGE RATE	0.0	2.3	8.6

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

JULY 1995

Day	Average Daily Power Level (MWe-Net)	Day	Average Daily Power Level (MWe-Net)
1	842	17	832
2	839	18	830
3	840	19	828
4	840	20	830
5	839	21	830
6	841	22	830
7	839	23	831
8	837	24	827
9	836	25	829
10	836	26	830
11	836	27	829
12	836	28	830
13	836	29	829
14	836	30	824
15	835	31	670
16	833		

REFUELING INFORMATION REQUEST

1. Name of facility: Calvert Cliffs Nuclear Power Plant, Unit No. 1.
2. Scheduled date for next refueling shutdown: March 1, 1996
3. Scheduled date for restart following refueling: April 19, 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.
 - b. An amendment and exemption to allow the use of four lead fuel assemblies with advance cladding material.
5. Scheduled date(s) for submitting proposed licensing action and supporting information.
 - a. August 1995*
 - b. July 13, 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 2

OPERATING DATA REPORT

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

OPERATING STATUS

1. UNIT NAME	Calvert Cliffs Unit 2
2. REPORTING PERIOD	JULY 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
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11. HOURS IN REPORTING PERIOD	744	5,087	160,703
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	3,532.8	117,569.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1,296.6
14. HOURS GENERATOR ON LINE	730.4	3,449.7	115,900.4
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,924,812	9,037,940	296,534,869
17. GROSS ELECTRICAL ENERGY GEN'TED (MWH)	616,036	2,972,787	97,988,096
18. NET ELECTRICAL ENERGY GENERATED (MWH)	589,598	2,835,625	93,657,235
19. UNIT SERVICE FACTOR	98.2	67.8	72.1
20. UNIT AVAILABILITY FACTOR	98.2	67.8	72.1
21. UNIT CAPACITY FACTOR (USING MDC NET)	94.3	66.4	70.5
22. UNIT CAPACITY FACTOR (USING DER NET)	93.8	66.0	69.0
23. UNIT FORCED OUTAGE RATE	1.8	5.1	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
August 15, 1995
Prepared by Herman O. Olsen
Telephone: (410) 260-6734

JULY 1995

Average Daily Power Level		Average Daily Power Level	
Day	(MWe-Net)	Day	(MWe-Net)
1	836	17	827
2	832	18	825
3	832	19	826
4	831	20	827
5	829	21	826
6	832	22	825
7	832	23	824
8	724	24	317
9	791	25	396
10	832	26	818
11	831	27	821
12	830	28	822
13	831	29	824
14	831	30	820
15	830	31	817
16	828		

UNIT SHUTDOWNS AND POWER REDUCTIONS

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

REPORT MONTH July 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	950724	F	1.5	A	5	N/A	AA	ZI	Commenced reducing power on 07/24/95 at 0000 to repair CEA #8 secondary position indication.
95-008	950724	F	37.7	A	5	N/A	TG	FCV	Power was reduced to approximately 60% when the Main Turbine governor valve GV-2 failed to respond during the down power. Power was reduced to 10% and the unit was removed from the grid at 1545 to conduct repairs. Completed repairs to GV-2 and CEA #8 secondary position indication and paralleled to the grid on 7/25/95 at 0522.

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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
August 15, 1995

SUMMARY OF OPERATING EXPERIENCE

July 1995

The unit began the month at 100% power (835 MWe). On 07/08/95 at 0400 power was reduced to 85% for waterbox cleaning. Power was returned to 100% on 07/09/95 at 1221.

On 07/24/95 at 0000 a power reduction to 30% was being performed to repair control element assembly (CEA) #8 secondary position indication. At approximately 60% the Main Turbine governor valve GV-2 was identified as not responding correctly during the down power. Trouble shooting identified that repairs to GV-2 would require removal from the grid. The power was reduced to 10% and the unit was removed from the grid at 1545. Repairs were completed and the unit was paralleled to the grid on 07/25/95 at 0522. Power was restored to 100% on 07/26/95 at 0200.

The unit ended the month at 100% power (820 MWe).

August 15, 1995

NFM 95-214

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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. *

* Entry has changed since last reported.