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Calvert Cliffs Nuclear Power Plant
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September 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
August 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
M. K. Boyle, 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
P. Lewis, INPO
K. Larson, ANI

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UNIT 1

OPERATING DATA REPORT

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

OPERATING STATUS

1. UNIT NAME	Calvert Cliffs Unit 1
2. REPORTING PERIOD	AUGUST 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	744	5,831	169,332
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	2,982.7	119,951.7
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	3,019.4
14. HOURS GENERATOR ON LINE	744.0	2,729.1	117,307.5
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,005,390	6,976,578	297,291,397
17. GROSS ELECTRICAL ENERGY GEN'TED (MWH)	652,429	2,285,045	98,758,591
18. NET ELECTRICAL ENERGY GENERATED (MWH)	625,392	2,182,615	93,986,897
19. UNIT SERVICE FACTOR	100.0	46.8	69.3
20. UNIT AVAILABILITY FACTOR	100.0	46.8	69.3
21. UNIT CAPACITY FACTOR (USING MDC NET)	100.7	45.0	67.2
22. UNIT CAPACITY FACTOR (USING DER NET)	99.5	44.3	65.7
23. UNIT FORCED OUTAGE RATE	0.0	20.8	9.0
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 September 15, 1994
 COMPLETED BY Frank Piazza
 TELEPHONE (410) 260-3821

REPORT MONTH August 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 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 POWFR LEVEL

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

AUGUST 1994

Average Daily Power Level		Average Daily Power Level	
Day	(MWe-Net)	Day	(MWe-Net)
1	836	17	841
2	838	18	840
3	838	19	841
4	838	20	842
5	839	21	841
6	842	22	842
7	841	23	844
8	840	24	843
9	840	25	844
10	840	26	844
11	837	27	844
12	836	28	844
13	838	29	844
14	838	30	844
15	837	31	845
16	839		

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

SUMMARY OF OPERATING EXPERIENCE

August 1994

The unit began the month at 100% reactor power and operated there the entire 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?

None identified at this time.

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

Unknown.

6. Important licensing considerations associated with the refueling.

None identified at this time.

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

(a) 217 (b) 1466 (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: 120 Spent Fuel Assemblies in the ISFSI.*

* Entry has changed since last reported.

UNIT 2

OPERATING DATA REPORT

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

OPERATING STATUS

1. UNIT NAME	Calvert Cliffs Unit 2
2. REPORTING PERIOD	AUGUST 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	744	5,831	152,687
12. NUMBER OF HOURS REACTOR WAS CRITICAL	659.1	5,372.9	111,409.7
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1,296.6
14. HOURS GENERATOR ON LINE	635.1	5,337.5	109,861.1
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,431,003	13,914,167	280,779,710
17. GROSS ELECTRICAL ENERGY GEN'TED (MWH)	460,208	4,623,296	92,779,165
18. NET ELECTRICAL ENERGY GENERATED (MWH)	436,651	4,433,596	88,676,730
19. UNIT SERVICE FACTOR	85.4	91.5	72.0
20. UNIT AVAILABILITY FACTOR	85.4	91.5	72.0
21. UNIT CAPACITY FACTOR (USING MDC NET)	69.9	91.2	70.4
22. UNIT CAPACITY FACTOR (USING DER NET)	69.5	90.0	68.7
23. UNIT FORCED OUTAGE RATE	14.6	6.1	5.7
24. SHUTDOWNS SCHEDULED OVER THE NEXT			

SIX MONTHS (TYPE, DATE AND DURATION):
 March 18, 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 September 15, 1994
 COMPLETED BY Frank Piazza
 TELEPHONE (410) 260-3821

REPORT MONTH August 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
94-06	940810	F	67.0	A	3	318/94-004	TL	EXC	Unit tripped on loss of load due to loosening the Main Generator field voltage. The trip occurred due to the intermittent malfunction of the Minimum Excitation Limiter (MEL) circuit which caused voltage spikes from the voltage regulator. The voltage regulator MEL circuit board was replaced and the excitation system was thoroughly tested prior to restarting the unit.
94-07	940814	F	41.9	A	1	N/A	SE	PSF	While escalating to full power an operator noticed and reported a small water and steam leak from the extraction steam line. The insulation at the leak area was removed and a 1" crack in a 2 1/2" pipe fitting was found. After repairs and during power escalation, reactor power was held at 30% at the request of the dispatcher on 8/16/94 due to low power demand on the grid.
94-08	940823	S	0	H	5	N/A	N/A	N/A	Reactor power was reduced to 52% at the request of the dispatcher due to low grid power demand on 8/23/94 through 8/29/94.
94-09	940829	S	0	H	5	N/A	N/A	N/A	Reactor power was reduced at 1420 to approx. 52% at the request of the dispatcher for low grid power demand.

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 S: Scheduled

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 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. 50-318
Calvert Cliffs Unit No. 2
September 15, 1994
Prepared by Frank Piazza
Telephone: (410) 260-3821

AUGUST 1994

Day	Average Daily Power Level (MWe-Net)	Day	Average Daily Power Level (MWe-Net)
1	833	17	836
2	831	18	838
3	832	19	838
4	832	20	837
5	835	21	837
6	838	22	836
7	838	23	746
8	837	24	407
9	837	25	406
10	762	26	406
11	0	27	404
12	0	28	408
13	52	29	592
14	0	30	409
15	0	31	411
16	656		

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

SUMMARY OF OPERATING EXPERIFNCE

August 1994

The unit began the month at 100% reactor power. On August 10, 1994 at 2154 the main generator tripped due to loss of main generator field voltage. The generator trip was followed by a reactor trip for loss of load. The generator loss of field voltage was caused by an intermittent failure in the Minimum Excitation Limiter (MEL) circuit causing a voltage transient from the voltage regulator circuit. The voltage regulator MEL circuit board was replaced and tested prior to restarting the unit. The unit was returned to power and was paralleled to the grid at 1651 on August 13, 1994. At 1845 on August 13, 1994 a steam leak was found in the extraction steam line. The unit was shutdown starting from approximately 45% reactor power commencing at 2355. The steam leak was repaired and the unit was paralleled to the grid at 2043 on August 15, 1994. During power escalation and after reaching 30% reactor power the power increase was slowed to 3% - 5% per hour due to a very low power demand from the grid. Reactor power reached 100% at 1200 on August 16, 1994.

On August 23, 1994 at 1645 power was reduced due to a very low power demand from the grid. The power was increased to 100% on August 29 at 1245, however, at 1420 reactor power was again decreased to approximately 52%.

The unit ended the month at approximately 52% reactor power (405 - 410 MWe net).

REFUELING INFORMATION REQUEST

1. Name of facility: Calvert Cliffs Nuclear Power Plant, Unit No. 2
2. Scheduled date for next refueling shutdown: March 18, 1995.*
3. Scheduled date for restart following refueling: May 22, 1995.*
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.

Unknown.

6. Important licensing considerations associated with the refueling.

None identified at this time.

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

(a) 217

(b) 1466 (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: 120 Spent Fuel Assemblies in the ISFSI.*

*** Entry has changed since last reported.**