

CHARLES H. CRUSE
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August 12, 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
July 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,

A handwritten signature in cursive script, appearing to read "John T. Camell".

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

August 12, 1994

Prepared by Frank Piazza

Telephone: (410) 260-3821

OPERATING STATUS

1. UNIT NAME	Calvert Cliffs Unit 1
2. REPORTING PERIOD	JULY 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	5,087	168,588
12. NUMBER OF HOURS REACTOR WAS CRITICAL	554.7	2,238.7	119,207.7
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	3,019.4
14. HOURS GENERATOR ON LINE	534.0	1,985.1	116,563.5
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,422,377	4,971,188	226,286,007
17. GROSS ELECTRICAL ENERGY GEN'TED (MWH)	460,620	1,632,616	98,106,162
18. NET ELECTRICAL ENERGY GENERATED (MWH)	440,587	1,557,223	93,361,505
19. UNIT SERVICE FACTOR	71.8	39.0	69.1
20. UNIT AVAILABILITY FACTOR	71.8	39.0	69.1
21. UNIT CAPACITY FACTOR (USING MDC NET)	70.9	36.8	67.1
22. UNIT CAPACITY FACTOR (USING DER NET)	70.1	36.2	65.5
23. UNIT FORCED OUTAGE RATE	28.2	26.5	9.1
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 August 12, 1994
 COMPLETED BY Frank Piazza
 TELEPHONE (410) 260-3821

REPORT MONTH July 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
94-08	940719	F	210.7	A	3	317/94007	TA	ECBD	The unit automatically tripped on July 19, 1994 at 1824 due to low Steam Generator water level. Low water level was initiated after all four Main Turbine Stop Valves (MTSV) closed. An electronic control card called the Servo Amplifier Demodulator Indicator (SADI) was the cause of the MTSVs closing. The control card which controls the #2 MTSV failed, closing the #2 MTSV which then caused the remaining three valves to close. The problem was corrected by replacing the SADI board. Investigation teams were formed to determine the cause of the failure and future prevention measures. The unit was returned to power and paralleled to the grid on July 28, 1994 at 1226.

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
August 12, 1994
Prepared by Frank Piazza
Telephone: (410) 260-3821

JULY 1994

Average Daily Power Level		Average Daily Power Level	
Day	(MWe-Net)	Day	(MWe-Net)
1	843	17	836
2	843	18	835
3	843	19	630
4	842	20	0
5	842	21	0
6	841	22	0
7	836	23	0
8	839	24	0
9	839	25	0
10	838	26	0
11	836	27	0
12	837	28	138
13	834	29	825
14	839	30	834
15	839	31	833
16	837		

DOCKET NO. 50-317
CALVERT CLIFFS - UNIT 1
August 12, 1994

SUMMARY OF OPERATING EXPERIENCE

July 1994

The unit began the month at 100% reactor power. On July 19, 1994 at 1824 the reactor automatically tripped due to low Steam Generator level which was initiated by the shutting of all four Main Turbine Stop Valves (MTSV). An investigation team was immediately formed and determined that the valves closing was most probably caused by an intermittent failure of an electronic control card. Concurrent with the trip a Code Safety Relief Valve began leaking by its seat. The electronic control card and the Code Safety Relief Valve were replaced. The unit was again paralleled to the grid on July 28, 1994 at 1226. The unit continued operating at 100% reactor power 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, 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) 1490 (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 2014

NOTE 1: 4710 total licensed site storage capacity.
 (1830 pool + 2880 ISFSI)

NOTE 2: 72 Spent Fuel Assemblies in the ISFSI.
 24 in transit to ISFSI.*

* Entry has changed since last reported.

UNIT 2

OPERATING DATA REPORT

Docket No. 50-318
August 12, 1994
Prepared by Frank Piazza
Telephone: (410) 260-3821

OPERATING STATUS

1. UNIT NAME	Calvert Cliffs Unit 2
2. REPORTING PERIOD	JULY 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
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11. HOURS IN REPORTING PERIOD	744	5,087	151,943
12. NUMBER OF HOURS REACTOR WAS CRITICAL	690.7	4,713.8	110,750.6
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1,296.6
14. HOURS GENERATOR ON LINE	684.2	4,702.4	109,226.0
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,819,989	12,483,164	279,348,707
17. GROSS ELECTRICAL ENERGY GEN'TED (MWH)	587,793	4,163,088	92,318,957
18. NET ELECTRICAL ENERGY GENERATED (MWH)	562,969	3,996,945	88,240,079
19. UNIT SERVICE FACTOR	92.0	92.4	71.9
20. UNIT AVAILABILITY FACTOR	92.0	92.4	71.9
21. UNIT CAPACITY FACTOR (USING MDC NET)	90.1	94.3	70.4
22. UNIT CAPACITY FACTOR (USING DER NET)	89.5	93.0	68.7
23. UNIT FORCED OUTAGE RATE	8.0	4.8	5.7
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		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-318
 UNIT NAME Calvert Cliffs-U2
 DATE August 12, 1994
 COMPLETED BY Frank Piazza
 TELEPHONE (410) 260-3821

REPORT MONTH July 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
94-05	940711	F	59.8	A	1	318/94003	BP	PSF	The unit was manually shutdown on July 11, 1994 due to a Reactor Coolant system leak. The leak was caused by a crack in a weld of a Safety Injection Tank discharge vent line. The crack was caused by high vibration due to a lack of vent line support rigidity. The vent line support was redesigned with more rigidity to decrease vibrations. Walkdowns were also done to inspect other similar vent lines which were determined to be sufficient. The reactor was returned to power at 2328 on 7/13/94.

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. 50-318
Calvert Cliffs Unit No. 2
August 12, 1994
Prepared by Frank Piazza
Telephone: (410) 260-3821

JULY 1994

Day	Average Daily Power Level (MWe-Net)	Day	Average Daily Power Level (MWe-Net)
1	840	17	831
2	841	18	829
3	841	19	831
4	839	20	836
5	840	21	836
6	840	22	836
7	837	23	834
8	836	24	832
9	838	25	831
10	838	26	829
11	502	27	830
12	0	28	832
13	0	29	814
14	444	30	825
15	832	31	833
16	831		

DOCKET NO. 50-318
CALVERT CLIFFS - UNIT 2
August 12, 1994

SUMMARY OF OPERATING EXPERIENCE

July 1994

The unit began the month at 100% power. On July 11 at 1315 commenced reactor shutdown to repair a Reactor Coolant system vent line leak on the Safety Injection Tank (SIT). The leak was repaired and the unit was paralleled to the grid on July 14, 1994 at 0412. The unit was returned to power and reached 100% reactor power at 2110.

On July 29, 1994 at 1705 reactor power was reduced slightly to 92.5% for cleaning 22B and 23B water boxes. The unit was returned to 100% for the remainder of the month on July 30, 1994 at 0415.

REFUELING INFORMATION REQUEST

1. Name of facility: Calvert Cliffs Nuclear Power Plant, Unit No. 2
2. Scheduled date for next refueling shutdown: February 18, 1995.
3. Scheduled date for restart following refueling: May 3, 1995.
4. Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?

Unknown.

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) 1490 (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 2016.

NOTE 1: 4710 total licensed site storage capacity.
(1830 pool + 2880 ISFSI)

NOTE 2: 72 Spent Fuel Assemblies in the ISFSI.
24 in transit to ISFSI.*

* Entry has changed since last reported.