
UNIT 1

OPERATING DATA REPORT

Docket No. 50-317
February 15, 1988
Prepared by C.Behnke
Telephone: (301)260-4871

OPERATING STATUS

1. UNIT NAME	Calvert Cliffs Unit 1
2. REPORTING PERIOD	JANUARY 1988
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)	860
7. MAXIMUM DEPENDABLE CAP'Y (NET MWe)	825
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	744	111,637
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	744.0	87,131.2
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	3,019.4
14. HOURS GENERATOR ON LINE	718.4	718.4	85,171.3
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,876,265	1,876,265	213,950,983
17. GROSS ELECTRICAL ENERGY GEN'TED (MWH)	632,079	632,079	70,847,791
18. NET ELECTRICAL ENERGY GENERATED (MWH)	605,596	605,596	67,641,557
19. UNIT SERVICE FACTOR	96.6	96.6	76.3
20. UNIT AVAILABILITY FACTOR	96.6	96.6	76.3
21. UNIT CAPACITY FACTOR (USING MDC NET)	98.7	98.7	73.5
22. UNIT CAPACITY FACTOR (USING DER NET)	96.3	96.3	71.7
23. UNIT FORCED OUTAGE RATE	3.4	3.4	10.1
24. SHUTDOWNS SCHEDULED OVER THE NEXT SIX MONTHS (TYPE, DATE AND DURATION): April 8, 1988, Refueling shutdown for 48 days.			
25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF START-UP: N/A			

Note: Line 21 "Cumulative" factor uses a weighted average.

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AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-317
 Calvert Cliffs Unit No. 1
 February 15, 1988
 Completed by C. Behnke
 Telephone: (301) 260-4871

JANUARY 1988

Day	Average Daily Power Level (MWe-Net)	Day	Average Daily Power Level (MWe-Net)
1	870	17	875
2	847	18	877
3	854	19	875
4	869	20	874
5	869	21	857
6	870	22	846
7	872	23	846
8	869	24	845
9	872	25	844
10	872	26	843
11	873	27	844
12	873	28	844
13	874	29	823
14	874	30	0
15	874	31	234
16	876		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-317
 UNIT NAME Calvert Cliffs U-1
 DATE February 15, 1988
 COMPLETED BY C. Behnke
 TELEPHONE (301) 260-4871

REPORT MONTH JANUARY 1988

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
88-01	880130	F	25.6	B	N/A	N/A	HJ	PJPEXX	Removed from grid to effect repair of leak on high pressure turbine extraction piping.

¹ F: Forced
 S: Scheduled

² Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

³ Method:
 1-Manual
 2-Manual Scram.
 3-Automatic Scram.
 4-Other (Explain)

⁴ Exhibit G-Instructions for Preparation of Data Entry Sheets for License Event Report (LER) File (NUREG-0161)

⁵ Exhibit I - Same Source

Summary of U-1 Operating Experience
January 1988

- 1/1 Unit began this reporting period at 100% reactor power and (860 MWe).
At 2200, power was reduced to 840 MWe to allow Fuel Management to conduct moderator temperature coefficient determination.
- 1/3 At 1555, returned to full reactor power.
- 1/21 At 0600, reduced power to 840 MWe to remove moisture separator reheaters from service. This was to prevent further damage to No. 11 MSR tube bundles and/or divider plates.
- 1/29 At 2146, commenced power reduction to repair steam leak at high pressure turbine extraction pipe.
- 1/30 At 0222, Unit was removed from main grid.
- 1/31 At 0400, paralleled Unit to main grid. The Unit ended this reporting period at 95% power and escalating to 97%.

February 4, 1988

REFUELING INFORMATION REQUEST

1. Name of facility: Calvert Cliffs Nuclear Power Plant, Unit No. 1.
2. Scheduled date for next refueling shutdown: April 8, 1988
3. Scheduled date for restart following refueling: May 26, 1988
4. Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?

Resumption of operation after refueling will require changes to Technical Specifications. The changes will be such as to allow operation of the plant with a fresh reload batch and reshuffled core for unit 1's first 24 month cycle.

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

February 17, 1988

6. Important licensing considerations associated with the refueling.

Reload fuel will be similar to that reload fuel inserted into Calvert Cliffs Unit 2 Eighth Cycle except for four lead demonstration assemblies manufactured by Advanced Nuclear Fuels.

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

(a) 217 (b) 1138

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) 1830 (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 offload.

April, 1991

 UNIT 2

OPERATING DATA REPORT

Docket No. 50-318
 February 15, 1988
 Prepared by C. Behnke
 Telephone: (301) 260-4871

OPERATING STATUS

1. UNIT NAME Calvert Cliffs Unit 2
 2. REPORTING PERIOD JANUARY 1988
 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) 860
 7. MAXIMUM DEPENDABLE CAP'Y (NET MWe) 825
 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	744	94,992
12. NUMBER OF HOURS REACTOR WAS CRITICAL	732.0	732.0	78,575.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1,296.6
14. HOURS GENERATOR ON LINE	728.2	728.2	77,409.8
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,926,204	1,926,204	195,266,868
17. GROSS ELECTRICAL ENERGY GEN'TED (MWH)	656,615	656,615	64,544,716
18. NET ELECTRICAL ENERGY GENERATED (MWH)	629,690	629,690	61,620,748
19. UNIT SERVICE FACTOR	97.9	97.9	81.5
20. UNIT AVAILABILITY FACTOR	97.9	97.9	81.5
21. UNIT CAPACITY FACTOR (USING MDC NET)	102.6	102.6	78.6
22. UNIT CAPACITY FACTOR (USING DER NET)	100.2	100.2	76.8
23. UNIT FORCED OUTAGE RATE	2.1	2.1	5.5

24. SHUTDOWNS SCHEDULED OVER THE NEXT SIX MONTHS (TYPE, DATE AND DURATION):
 February 26, 1988, Maintenance shutdown for 28 days.

25. IF UNIT IS SHUTDOWN AT END OF REPORT PERIOD,
 ESTIMATED DATE OF START-UP:
 N/A

Note: Line 21 "Cumulative" factor no longer uses a weighted average.

AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-318
 Calvert Cliffs Unit No. 2
 February 15, 1988
 Completed by C. Behnke
 Telephone: (301) 260-4871

JANUARY 1988

Average Daily Power Level		Average Daily Power Level	
Day	(MWe-Net)	Day	(MWe-Net)
1	877	17	868
2	876	18	869
3	875	19	868
4	874	20	868
5	874	21	867
6	874	22	343
7	865	23	636
8	873	24	871
9	873	25	871
10	872	26	871
11	871	27	871
12	870	28	872
13	870	29	872
14	870	30	869
15	870	31	872
16	869		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DUCKET NO. 50-318
 UNIT NAME: Calvert Cliffs G-2
 DATE: February 15, 1988
 COMPLETED BY: C. Behnke
 TELEPHONE: (301) 260-4871

REPORT MONTH: JANUARY 1988

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
88-01	880122	F	15.8	B	3	88-02	CB	INSTRU	Trip on low steam generator water level. This was induced by the opening of circuit breaker 52-20429 due to a fault in the computer inverter's dummy load test. Corrective Action: 1. Maintenance electricians' review of events leading to trip. 2. Design review of coordination of breaker/fuse timing. 3. Increase the use of special procedures for complex troubleshooting.

¹ F: Forced
 S: Scheduled

² Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

³ Method:
 1-Manual
 2-Manual Scram.
 3-Automatic Scram.
 4-Other (Explain)

⁴ Exhibit G-Instructions for Preparation of Data Entry Sheets for License Event Report (LER) File (NUREG-0161)

⁵ Exhibit H - Same Source

Summary of U-2 Operating Experience
January 1988

- 1/1 Unit began this reporting period at full power (860 MWe).
- 1/7 At 1500, reduced reactor power to 90% to remove No. 26 Circulating Water Pump from service. A faulty connection at temperature element for thrust bearing gave the computer a false signal, the high temperature caused the Control Room to stop the pump. At 1800, returned to full reactor power.
- 1/22 At 1000, reactor trip on low steam generator water level. This was induced by the opening of ckt bkr 52-20429 due to a fault in the computer inverter's dummy load test.
- At 2300, reactor critical.
- 1/23 At 0147, Unit paralleled to Main Grid.
At 1200, Unit at full reactor power.
- 1/31 Unit end this cycle at full reactor power.

February 4, 1988

REFUELING INFORMATION REQUEST

1. Name of facility: Calvert Cliffs Nuclear Power Plant, Unit No. 2.
2. Scheduled date for next refueling shutdown: April 1, 1989
3. Scheduled date for restart following refueling: May 15, 1989
4. Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?

Resumption of operation after refueling will require changes to Technical Specifications. The changes will be such as to allow operation of the plant with a fresh reload batch and reshuffled core.

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

February 9, 1989

6. Important licensing considerations associated with the refueling.

Reload fuel will be similar to that reload fuel inserted into the previous cycle.

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

(a) 217 (b) 1138

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) 1830 (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 offload.

April, 1991



CHARLES CENTER - P. O. BOX 1475 - BALTIMORE, MARYLAND 21203

February 16, 1988

J. R. LEMONS
OPERATIONS DEPARTMENT

Nuclear Regulatory Commission
Washington, D.C. 20555

ATTENTION: Document Control Desk
SUBJECT: January Operating Data Reports for Calvert Cliffs
Units 1 and 2 (Dockets 50-317 and 50-318)

Gentlemen:

The subject reports are being sent to you as required by
Technical Specification 6.9.1.6.
If there are any questions, please contact Carl Behnke,
(301) 260-4871.

Sincerely,

J. R. Lemons
Manager-Nuclear Operations Department

JRL/CB/jaf

Enclosures

- cc: W. T. Russell (NRC)
- S. A. McNeil (NRC)
- T. Foley (NRC)
- P. Ross (NRC)
- T. Magette (DNR)
- D. Reilly (INPO)
- K. Gibbard (DOE)
- K. Gromack (CE)

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