
UNIT 1

OPERATING DATA REPORT ***************

> Docket No. 50-317 May 12, 1988 Prepared by C. Behnke Telephone: (301) 260-4871

OPERATING STATUS

1.	UNIT NAME	Calvert Cliffs Unit	1
2.	REPORTING PERIOD	APRIL 1988	
3.	LICENSED THERMAL POWER (MWT)	2700	
	NAMEPLATE RATING (GROSS MWe)		
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 to Date 11. HOURS IN REPORTING PERIOD 719 2,903 113,796 12. NUMBER OF HOURS REACTOR WAS CRITICAL 194.3 2,378.3 88,765.5	tive
	te
12. NUMBER OF HOURS REACTOR WAS CRITICAL 194.3 2,378.3 88,765.5	,796
	65.5
13. REACTOR RESERVE SHUTDOWN HOURS 0.0 0.0 3,019.4	19.4
14. HOURS GENERATOR ON LINE 192.9 2,351.3 86,804.2	04.2
15. UNIT RESERVE SHUTDOWN HOURS 0.0 0.0 0.0	
16. GROSS THERMAL ENERGY GENERATED (MWH) 470,945 6,099,545 218,174,263	,263
17. GROSS ELECTRICAL ENERGY GEN'TED(MWH) 158,913 2,051,480 72,267,192	
18. NET ELECTRICAL ENERGY GENERATED (MWH) 151,894 1,967,731 69,003,692	
19. UNIT SERVICE FACTOR 26.8 81.0 76.3	
20. UNIT AVAILABILITY FACTOR 26.8 81.0 76.3	
21. UNIT CAPACITY FACTOR (USING MDC NET) 25.6 82.2 73.5	73.5
22. UNIT CAPACITY FACTOR (USING DER NET) 25.0 80.2 71.8	71.8
23. UNIT FORCED OUTAGE RATE 0.0 1.1 9.9	
24. SHUTDOWNS SCHEDULED OVER THE NEXT	

SIX MONTHS (TYPE, DATE AND DURATION):

None

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF START-UP: May 29, 1988

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

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UNIT SOUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-317

UNIT NAME Calvert Cliffs-Ul

DATE May 11, 1988

COMPLETED BY C. Behnke

TELEPHONE (301)260-4871

REPORT MONTH April, 1988

No. Date	Type1	Duration (Hours)	Reason ²	Method of Shutting Down Reactor3	Licensee Event Report #	System Code4	Component Code 5	Cause & Corrective Action to Prevent Recurrence
88-02 880409	S	526.1	С	1	N/A	N/A	N/A	Shutdown for Refueling operations.

1 F: Forced

S: Scheduled

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)

Method:

1-Manual

2-Manual Scram.

3-Automatic Scram.

4-Other (Explain)

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

5 Exhibit I - Same Source

AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-317 Calvert Cliffs Unit No. 1 May 12, 1988 Completed by C. Behnke Telephone: (301) 260-4871

MAY 1988

Day	Average Daily Power Level (MWe-Net)	Averag Day (e Daily Power Le MWe-Net)	evel
1	841	17	0	
2	841	18	0	
3	804	19	0	
4	841	20	0	
5	837	21	0	
6	831	22	0	
7	676	23	0	
8	658	24	0	
9	0	25	0	
10	0	2.6	0	
11	0	27	0	
12	0	28	0	
13	0	29	0	
14	0	30	0	
15	0			
16	0			

Summary of U-1 Operating Experience April 1988

Date	Time	Event Description
4/1	0000	Began at 97% derated power (2nd Stage MSR, out of service due to leakage) 840 MWe (net).
4/6	1500	Reduced power for phase isolation testing (93%) to 820 MWe (net).
4/7	1110	Reduced power for Alterex testing. At 2100, increasing power to 70%.
4/8	1115	SGFP testing.
4/8	2115	Ramp-down commenced for shutdown.
4/9	0152	Unit removed from grid.
	Summ	ary of U-1 Operating Experience

The Unit began the month at the 97% derated maximum for out of service 2nd Stage MSR's (leakage).

Reduced power (1500) for phase isolation testing. Remained at 93% until 4/7/88 at 1300 when power was reduced to 50% for SGFP testing.

April 1988

Unit returned to 97% (5AM) on 4/8/88. Began ramp-down for shutdown at 1300. Unit removed from the grid at 0152, 4/9/88 for Refueling/ILRT Scheduled Outage. Unit remained off-line through the end of this reporting period (scheduled to return on or about May 29th).

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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 arter 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.

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

February 17, 1988 (actual submittal date was February 12, 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) 1235

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

 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 May 12, 1988 Prepared by C.Behnke Telephone: (301) 260-4871

OPERATING STATUS

	1.	UNIT NAME	Calvert Cliffs Unit	2
	2.	REPORTING PERIOD	APRIL 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	
1	0.	REASONS FOR RESTRICTIONS	n/a	

		This month	Year-to-Date	Cumulative to Date	
11.	HOURS IN REPORTING PERIOD	719	2,903	97,151	
12.	NUMBER OF HOURS REACTOR WAS CRITICAL	618.0		79,819.5	
13.	AND AND AS ASSESSMENT OF THE PARTY OF THE PA	0.0		1,296.6	
14.			1,966.3		
15.	UNIT RESERVE SHUTDOWN HOURS	0.0	0.0		
16.	GROSS THERMAL ENERGY GENERATED (MWH)			198,535,443	
17.	GROSS ELECTRICAL ENERGY GEN'TED (MWH)	551,496			
18.	NET ELECTRICAL ENERGY GENERATED (MWH)	5.0,227			
19.	UNIT SERVICE FACTOR	85.3		81.0	
20.	UNIT AVAILABILITY FACTOR			81.0	
21.	UNIT CAPACITY FACTOR (USING MDC NET)			78.2	
22.	UNIT CAPACITY FACTOR (USING DER NET)		69.0		
23.	UNIT FORCED OUTAGE RATE	12.4	5.0		
24.	SHUTDOWNS SCHEDULED OVER THE NEXT			7.7	
	SIX MONTHS (TYPE, DATE AND DURAT	ION):			

25. IF UNIT IS SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF START-UP:
May 2, 1988

None

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

UNIT SHUTTKIWNS AND POWER REDUCTIONS

DOCKET NO. 50-318

UNIT NAME Calvert Cliffs - U2

DATE May 11, 1983

COMPLETED BY C. Behnke

TELEPHONE (301)260-4871

REPORT MONTH April 1988

Nes.	Date	Type 1	Duration (Hours)	Reason.	Method of Shutting Down Reactor3	Licensee Event Report #	System Code4	Component Code 5	Cause & Corrective Action to Prevent Recurrence
88-06	880401	S	18.4	В	N/A	N/A	N/A	N/A	Continued shutdown for pre- summer general maintenance mini-outage.
88-07	880427	F	87.2	A	2	88-04	НВ	PUMPXX	Trip on low Steam Generator water level because 21 SGFP tripped for no apparent reason. There were no prior (or subsequent) symptoms. 1. Monitor trip circuitry to find root cause. 2. Evaluate possible replacement of installed Thrust Bearing wear monitor.

1 F: Forced

S: Scheduled

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)

Methed:

1-Marsial

2-Manual Scram.

3-Automatic Scram.

4-Other (Explain)

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

5 Exhibit I - Same Source

AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-318 Calvert Cliffs Unit No. 2 May 12, 1988 Completed by C. Behnke Telephone: (301) 260-4871

MAY 1988

	rage Daily Power Level (MWe-Net)	Averag	ge Daily Powe (MWe-Net)	r Level
	67	17	874	
	791	18	877	
3	820	19	880	
4	871	20	879	
5	874	21	879	
6	872	22	878	
7	870	23	878	
8	868	24	879	
9	866	25	877	
10	868	26	876	
11	870	27	321	
12	868	28	0	
13	871	29	0	
14	872	30	0	
15	873			
16	874			

Summary of U-2 Operating Experience April 1988

Date	Time	Event Description
4/1	0000	Unit began shutdown in the Pre-Summer General Maintenance Outage (day #35 of 35). The original 23 day schedule was extended (primarily) due to 2-FW-130/133 replacements and FWH 25A/B associated repairs/welds/RTs (radiographs).
4/1	1821	Paralleled unit to grid, began power ramp-up.
4/2	0200	Held at 85% for STP-M-213; at 0845 held power to investigage #4 bearing on the Main Turbine. By 1020, began ramp up to 100%.
4/3	1455	Reduced power to clean waterboxes, returned to full power at 2020.
4/27	0850	Unit manually tripped when S/G levels decreased - lost #21 SGFP.
4/30	2400	Unit remained shutdown for repairs to #22 S/G Main Steam hanger.

Summary of U-2 Operating Experience April 1988

The Unit began this reporting period shut down.

On April 1 at 1821, paralleled Unit to grid; began power ramp-up.

Held at 85% power (0200, 4/2/88) for STP testing, STP-M-213; at 0845, while investigating #4 Main Turbine bearing temperature; @ 1020 began ramp-up.

At 1455, (4-3-88) reduced power to clean waterboxes (returned at 2020).

At 0850 on April 27th, Unit was manually tripped when S/G levels decreased too low (due to loss of #21 SGFP). Stayed shutdown until May 2.

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) 1235

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

May 11, 1988

JAMES R. LEMONS MANAGER NUCLEAR OPERATIONS DEPARTMENT

> Document Control Desk U.S. Nuclear Regulatory Commission 1 White Flint North Floor P1-Room 37 11555 Rockville Pike Rockville, MD 20850

ATTENTION: Document Control Desk

SUBJECT: April 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)

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