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MANAGER  
CALVERT CLIFFS NUCLEAR  
POWER PLANT DEPARTMENT

July 13, 1990

U.S. Nuclear Regulatory Commission  
Washington, DC 20555

**ATTENTION:** Document Control Desk

**SUBJECT:** Calvert Cliffs Nuclear Power Plant  
Unit Nos. 1 & 2; Dockets 50-317 and 50-318  
June 1990 Operating Data Reports

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Gentlemen:

The subject reports are being sent to you as required by Technical Specification 6.9.1.6.

Should you have any further questions regarding this matter, please contact Lloyd Wenger at (301)260-4867.

Very truly yours,

RED/CB/peu

Attachments

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File

Please be sure to route  
to your OSSRC Alternate.

\*\*\*\*\*  
 UNIT 1  
 OPERATING DATA REPORT  
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Docket No. 50-317  
 July 13, 1990  
 Prepared by Carl Behnke  
 Telephone: (301)260-4871

OPERATING STATUS  
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1. UNIT NAME	Calvert Cliffs Unit 1
2. REPORTING PERIOD	JUNE 1990
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. CHANCE 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	720	4,343	132,780
12. NUMBER OF HOURS REACTOR WAS CRITICAL	0.0	241.9	94,834.2
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	3,019.4
14. HOURS GENERATOR ON LINE	0.0	194.3	92,642.9
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	0	257,923	232,949,173
17. GROSS ELECTRICAL ENERGY GEN'TED(MWH)	0	76,132	77,495,249
18. NET ELECTRICAL ENERGY GENERATED(MWH)	0	67,189	73,612,999
19. UNIT SERVICE FACTOR	0.0	4.5	69.8
20. UNIT AVAILABILITY FACTOR	0.0	4.5	69.8
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	1.9	67.2
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	1.8	65.6
23. UNIT FORCED OUTAGE RATE	0.0	0.0	9.6
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:  
 September 6, 1990

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-317  
 UNIT NAME Calvert Cliffs-U1  
 DATE July 13, 1990  
 COMPLETED BY Carl Behnke  
 TELEPHONE (301)260-4871

REPORT MONTH June 1990

NO.	DATE	TYPE <sup>1</sup>	DURATION (HOURS)	REASON <sup>2</sup>	METHOD OF SHUTTING DOWN REACTOR <sup>3</sup>	LICENSEE EVENT REPORT #	SYSTEM CODE <sup>4</sup>	COMPONENT CODE <sup>5</sup>	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
90-09	900601	S	720	B	N/A	N/A			Continued with shutdown for scheduled maintenance outage for Steam Generator Eddy Current testing.

<sup>1</sup> F: Forced  
 S: Scheduled

<sup>2</sup> 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)

<sup>3</sup> Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

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

<sup>5</sup> Exhibit I - Same Source

AVERAGE DAILY UNIT POWER LEVEL

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Docket No. 50-317  
 Calvert Cliffs Unit No. 1  
 July 13, 1990  
 Completed by Carl Behnke  
 Telephone: (301) 260-4871

JUNE 1990  
 \*\*\*\*\*

Average Daily Power Level		Average Daily Power Level	
Day	(MWe-Net)	Day	(MWe-Net)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	0
9	0	25	0
10	0	26	0
11	0	27	0
12	0	28	0
13	0	29	0
14	0	30	0
15	0		
16	0		

DOCKET # 50-317  
CALVERT CLIFFS - UNIT 1  
July 13, 1990

SUMMARY OF OPERATING EXPERIENCE

June 1990

The unit began the month in a continuation of the scheduled 10-week outage for Steam Generator Eddy Current testing.

Some Low Temperature Over Protection (LTOP) design calculations require revision resulting in changes to Technical Specifications. This will extend the outage and allow more critical path time to work on the Salt Water system.

The unit is expected to restart on September 6, 1990.

July 9, 1990

REFUELING INFORMATION REQUEST

1. Name of facility: **Calvert Cliffs Nuclear Power Plant, Unit No. 1.**
2. Scheduled date for next refueling shutdown: **September 15, 1991**
3. Scheduled date for restart following refueling: **November 26, 1991**
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 higher enriched (4.2%) reload batch and reshuffled core for Unit 1's next 24 month cycle.

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

**May 12, 1991** ( reload submittal )

6. important licensing considerations associated with the refueling.

Reload fuel will be similar to reload fuel inserted into the previous cycle except for the higher enrichment ( 4.2% ).

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

(a) 217 (b) 1543

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) 2880

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.

**September 1993**

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UNIT 2

OPERATING DATA REPORT

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Docket No. 50-318  
July 13, 1990  
Prepared by Carl Behnke  
Telephone: (301)260-4871

OPERATING STATUS  
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1. UNIT NAME	Calvert Cliffs Unit 2
2. REPORTING PERIOD	JUNE 1990
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
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11. HOURS IN REPORTING PERIOD	720	4,343	116,135
12. NUMBER OF HOURS REACTOR WAS CRITICAL	0.0	0.0	87,437.3
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1,296.6
14. HOURS GENERATOR ON LINE	0.0	0.0	86,228.9
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	0	0	218,389,418
17. GROSS ELECTRICAL ENERGY GEN'TED (MWH)	0	0	72,284,632
18. NET ELECTRICAL ENERGY GENERATED (MWH)	0	0	69,042,571
19. UNIT SERVICE FACTOR	0.0	0.0	74.2
20. UNIT AVAILABILITY FACTOR	0.0	0.0	74.2
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	0.0	72.1
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	0.0	70.4
23. UNIT FORCED OUTAGE RATE	0.0	0.0	5.3
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:			
December 31, 1990			



UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-318  
 UNIT NAME Calvert Cliffs-U2  
 DATE July 13, 1990  
 COMPLETED BY Carl Behnke  
 TELEPHONE (301)260-4871

REPORT MONTH June 1990

NO.	DATE	TYPE <sup>1</sup>	DURATION (HOURS)	REASON <sup>2</sup>	METHOD OF SHUTTING DOWN REACTOR <sup>3</sup>	LICENSEE EVENT REPORT #	SYSTEM CODE <sup>4</sup>	COMPONENT CODE <sup>5</sup>	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
90-06	900601	S	720	C	N/A	N/A  89-007	CA	HEATER	Continued shutdown for 8th Cycle Refueling Outage.  Pressurizer work continued. The inner sleeve installation is fully completed.

<sup>1</sup> F: Forced  
 S: Scheduled

<sup>2</sup> 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)

<sup>3</sup> Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

<sup>4</sup> Exhibit G-Instructions for Preparation of Data Entry Sheets for License Event Report (LER) File (NUREG-0161)  
<sup>5</sup> Exhibit I - Same Source

AVERAGE DAILY UNIT POWER LEVEL

\*\*\*\*\*  
 Docket No. 50-318  
 Calvert Cliffs Unit No. 2  
 July 13, 1990  
 Completed by Carl Behnke  
 Telephone: (301) 260-4871

JUNE 1990  
 \*\*\*\*\*

Day	Average Daily Power Level (MWe-Net)	Day	Average Daily Power Level (MWe-Net)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	0
9	0	25	0
10	0	26	0
11	0	27	0
12	0	28	0
13	0	29	0
14	0	30	0
15	0		
16	0		

DOCKET # 50-318  
CALVERT CLIFFS - UNIT 2  
July 13, 1990

SUMMARY OF OPERATING EXPERIENCE

June 1990

The unit began the month in a continued shutdown for the 8th Cycle Refueling Outage.

Pressurizer work continued. The inner sleeves and heaters were installed. Tasks remaining include reinstallation of sample lines, heaters, and interferences.

The unit is scheduled to return to service by December 31, 1990.

July 9, 1990

REFUELING INFORMATION REQUEST

1. Name of facility: Calvert Cliffs Nuclear Power Plant, Unit No. 2.
2. Scheduled date for next refueling shutdown: March 20, 1989 \*\*
3. Scheduled date for restart following refueling: December 31, 1990
4. Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?

Unit reload license and necessary technical specification changes are approved. The Unit is in an extended refueling shutdown to support system maintenance.

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

Unit reload license has been approved. The Unit is in an extended refueling shutdown to support system maintenance.

6. Important licensing considerations associated with the refueling.

Reload fuel will be similar to reload fuel inserted into the previous cycle except for the 4.3% enrichment, debris resistant fuel design, and four fuel assemblies containing an alternative burnable absorber. Changes will be made to the on line incore monitoring program.

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

(a) 0                      (b) 1543

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) 2880

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.

September 1993

\*\* Unit currently in refueling shut down