

PETER E. KATZ
Plant General Manager
Calvert Cliffs Nuclear Power Plant

Baltimore Gas and Electric Company
Calvert Cliffs Nuclear Power Plant
1650 Calvert Cliffs Parkway
Lusby, Maryland 20657
410 495-4101



February 14, 1997

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
January 1997 Operating Data Reports

The subject reports are being sent to you as required by Technical Specification 6.6.4.

Should you have any questions, please contact Mr. Kenneth Greene at (410) 495-4385.

Very truly yours,

K. J. Hetmann FOR PEK

PEK/HOO/bjd

Attachments

cc: D. A. Brune, Esquire
J. E. Silberg, Esquire
Director, Project Directorate I-1, NRC
A. W. Dromerick, NRC
H. J. Miller, NRC
Resident Inspector, NRC

R. A. Hartfield, NRC
R. I. McLean, DNR
J. H. Walter, PSC
P. Lewis, INPO
K. N. Larson, ANI

9702200175 970131
PDR ADOCK 05000317
R PDR

200072

IE 24/1

UNIT 1

OPERATING DATA REPORT

Docket No. 50-317
February 14, 1997
Prepared by Herman O. Olsen
Telephone: (410) 495-6734

OPERATING STATUS

~~~~~

|                                         |                       |
|-----------------------------------------|-----------------------|
| 1. UNIT NAME                            | Calvert Cliffs Unit 1 |
| 2. REPORTING PERIOD                     | JANUARY 1997          |
| 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-<br>to-Date | Cumulative<br>to Date |
|-------------------------------------------|------------|------------------|-----------------------|
|                                           | -----      | -----            | -----                 |
| 11. HOURS IN REPORTING PERIOD             | 744        | 744              | 190,549               |
| 12. NUMBER OF HOURS REACTOR WAS CRITICAL  | 744.0      | 744.0            | 138,039.5             |
| 13. REACTOR RESERVE SHUTDOWN HOURS        | 0.0        | 0.0              | 3,019.4               |
| 14. HOURS GENERATOR ON LINE               | 744.0      | 744.0            | 135,230.9             |
| 15. UNIT RESERVE SHUTDOWN HOURS           | 0.0        | 0.0              | 0.0                   |
| 16. GROSS THERMAL ENERGY GENERATED (MWH)  | 2,000,798  | 2,000,798        | 344,729,117           |
| 17. GROSS ELECTRICAL ENERGY GEN'TED (MWH) | 670,104    | 670,104          | 114,435,466           |
| 18. NET ELECTRICAL ENERGY GENERATED (MWH) | 643,930    | 643,930          | 108,992,122           |
| 19. UNIT SERVICE FACTOR                   | 100.0      | 100.0            | 71.0                  |
| 20. UNIT AVAILABILITY FACTOR              | 100.0      | 100.0            | 71.0                  |
| 21. UNIT CAPACITY FACTOR (USING MDC NET)  | 103.7      | 103.7            | 60.2                  |
| 22. UNIT CAPACITY FACTOR (USING DER NET)  | 102.4      | 102.4            | 67.7                  |
| 23. UNIT FORCED OUTAGE RATE               | 0.0        | 0.0              | 8.4                   |

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 February 14, 1997  
 COMPLETED BY Herman O. Olsen  
 TELEPHONE (410) 495-6734

REPORT MONTH January 1997

| NO. | DATE | TYPE <sup>1</sup> | DURATION<br>(HOURS) | REASON <sup>2</sup> | METHOD OF<br>SHUTTING<br>DOWN<br>REACTOR <sup>3</sup> | LICENSEE<br>EVENT<br>REPORT # | SYSTEM<br>CODE <sup>4</sup> | COMPONENT<br>CODE <sup>5</sup> | CAUSE & CORRECTIVE<br>ACTION TO<br>PREVENT RECURRENCE      |
|-----|------|-------------------|---------------------|---------------------|-------------------------------------------------------|-------------------------------|-----------------------------|--------------------------------|------------------------------------------------------------|
|     |      |                   |                     |                     |                                                       |                               |                             |                                | There were no significant power reductions for this month. |

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

<sup>2</sup> 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

<sup>3</sup> Method:  
 1 - Manual  
 2 - Manual Scram.  
 3 - Automatic Scram.  
 4 - Continued  
 5 - Reduced Load  
 9 - Other

<sup>4</sup> IEEE Standard 805-1984  
  
<sup>5</sup> IEEE Standard 803A-1983

## REFUELING INFORMATION REQUEST

1. Name of facility: Calvert Cliffs Nuclear Power Plant, Unit No. 1.
2. Scheduled date for next refueling shutdown: March 1998
3. Scheduled date for restart following refueling: May 1998
4. Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?

N/A

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

N/A

6. Important licensing considerations associated with the refueling.

N/A

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

(a) 217

(b) 1402 (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: 360 Spent Fuel Assemblies in the ISFSI.

# AVERAGE DAILY UNIT POWER LEVEL

\*\*\*\*\*

Docket No. 50-317  
Calvert Cliffs Unit No. 1  
February 14, 1997  
Prepared by Herman O. Olsen  
Telephone: (410) 495-6734

JANUARY 1997

\*\*\*\*\*

| Day | Average Daily Power Level<br>(MWe-Net) | Day | Average Daily Power Level<br>(MWe-Net) |
|-----|----------------------------------------|-----|----------------------------------------|
| 1   | 869                                    | 17  | 869                                    |
| 2   | 869                                    | 18  | 869                                    |
| 3   | 865                                    | 19  | 869                                    |
| 4   | 868                                    | 20  | 868                                    |
| 5   | 869                                    | 21  | 866                                    |
| 6   | 869                                    | 22  | 868                                    |
| 7   | 867                                    | 23  | 869                                    |
| 8   | 869                                    | 24  | 869                                    |
| 9   | 869                                    | 25  | 787                                    |
| 10  | 869                                    | 26  | 864                                    |
| 11  | 869                                    | 27  | 867                                    |
| 12  | 870                                    | 28  | 867                                    |
| 13  | 869                                    | 29  | 868                                    |
| 14  | 869                                    | 30  | 868                                    |
| 15  | 867                                    | 31  | 868                                    |
| 16  | 868                                    |     |                                        |

\*\*\*\*\*  
UNIT 2

OPERATING DATA REPORT

\*\*\*\*\*

Docket No. 50-318  
February 14, 1997  
Prepared by Herman O. Olsen  
Telephone: (410) 495-6734

OPERATING STATUS

~~~~~

1. UNIT NAME	Calvert Cliffs Unit 2
2. REPORTING PERIOD	JANUARY 1997
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	744	173,904
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	744.0	130,586.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1,296.6
14. HOURS GENERATOR ON LINE	744.0	744.0	128,879.0
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,978,113	1,978,113	331,072,497
17. GROSS ELECTRICAL ENERGY GEN'TED (MWH)	662,564	662,564	109,399,978
18. NET ELECTRICAL ENERGY GENERATED (MWH)	636,876	636,876	104,614,059
19. UNIT SERVICE FACTOR	100.0	100.0	74.1
20. UNIT AVAILABILITY FACTOR	100.0	100.0	74.1
21. UNIT CAPACITY FACTOR (USING MDC NET)	101.9	101.9	72.7
22. UNIT CAPACITY FACTOR (USING DER NET)	101.3	101.3	71.2
23. UNIT FORCED OUTAGE RATE	0.0	0.0	5.3
24. SHUTDOWNS SCHEDULED OVER THE NEXT SIX MONTHS (TYPE, DATE AND DURATION): Refueling 03/14/97 46 days			
25. IF UNIT IS SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF START-UP: N/A			

DOCKET NO. 50-317
CALVERT CLIFFS - UNIT 1
February 14, 1997

SUMMARY OF OPERATING EXPERIENCE

January 1997

The unit began the month at 100% power.

On 01/25/97 at 0940 power was reduced to 85% to perform Main Turbine Control Valve testing. At the completion of the required testing, power was raised to 97% at 1935 to allow for waterbox cleaning and heater drain tank maintenance. Power was returned to 100% on 01/26/97 at 0150.

The unit operated at 100% for the remainder of the month.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-318
 UNIT NAME Calvert Cliffs-U2
 DATE February 14, 1997
 COMPLETED BY Herman O. Olsen
 TELEPHONE (410) 495-6734

REPORT MONTH January 1997

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 for 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

REFUELING INFORMATION REQUEST

1. Name of facility: Calvert Cliffs Nuclear Power Plant, Unit No. 2
2. Scheduled date for next refueling shutdown: March 14, 1997
3. Scheduled date for restart following refueling: April 30, 1997 *
4. Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?

Yes.

- a. License Amendment to adopt the requirements of Appendix J, Option B for Type B and C testing.
 - b. License Amendment to allow the substitution of a blind flange for the outside purge valve pressure boundary in Modes 1-4.
 - c. Deleted. *
 - d. License Amendment to lower the reactor coolant flow which supports an increased number of steam generator tubes plugged.
 - e. Deleted. *
 - f. License Amendment to allow electrosleeving as a repair method for steam generator tubes.
5. Scheduled date(s) for submitting proposed licensing action and supporting information.
- a. November 26, 1996
 - b. August 1, 1996
 - c. Deleted *
 - d. January 31, 1997 *
 - e. Deleted *
 - f. July 26, 1996

6. Important licensing considerations associated with the refueling

None.

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

(a) 217

(b) 1402 (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: 360 Spent Fuel Assemblies in the ISFSI.

* Entry has changed since last reported.

AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-318
Calvert Cliffs Unit No. 2
February 14, 1997
Prepared by Herman O. Olsen
Telephone: (410) 495-6734

JANUARY 1997

Day	Average Daily Power Level (MWe-Net)	Day	Average Daily Power Level (MWe-Net)
1	841	17	864
2	855	18	862
3	839	19	862
4	823	20	863
5	822	21	864
6	843	22	855
7	863	23	840
8	861	24	862
9	861	25	847
10	862	26	861
11	862	27	862
12	863	28	856
13	864	29	863
14	864	30	863
15	864	31	863
16	864		

DOCKET NO. 50-318
CALVERT CLIFFS - UNIT 2
February 14, 1997

SUMMARY OF OPERATING EXPERIENCE

January 1997

The unit began the month at 95% power. The unit was operating at less than 100% as a conservative measure, due to a reduction in the cooling capacity of the main power output transformer (U-220000-22). Power was returned to 100% on 01/01/97 at 1420.

Due to the reduced cooling capacity of the main power output transformer (U-220000-22) power was reduced periodically throughout the month, as indicated below, based on the outside ambient temperature.

On 01/02/97 at 1325 power was reduced to 97%. Power was further reduced to 95% on 01/03/97 at 1340. Power was returned to 100% on 01/06/97 at 2230.

On 01/22/97 at 1325 power was reduced to 97%. Power was further reduced to 95% on 01/23/97 at 1450. Power was returned to 100% on 01/23/97 at 2320.

On 01/23/97 at 2350 power was reduced to 97%. Power was returned to 100% on 01/25/97 at 2030.

On 01/28/97 at 0830 power was reduced to 97%. Power was returned to 100% on 01/28/97 at 1620.

The unit operated at 100% power for the remainder of the month.