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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



July 15, 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  
June 1997 Operating Data Reports

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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,

*RJ Netmann*  
FOR PEK

PEK/HOO/bjd

Attachments

cc: R. S. Fleishman, Esquire  
J. E. Silberg, Esquire  
A. W. Dromerick, NRC  
Director, Project Directorate I-1, 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

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UNIT 1  
OPERATING DATA REPORT

Docket No. 50-317  
July 15, 1997  
Prepared by Herman O. Olsen  
Telephone: (410) 495-6734

OPERATING STATUS

1. UNIT NAME	Calvert Cliffs Unit 1
2. REPORTING PERIOD	JUNE 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- to-Date	Cumulative to Date
	-----		
11. HOURS IN REPORTING PERIOD	720	4,343	194,148
12. NUMBER OF HOURS REACTOR WAS CRITICAL	696.7	4,267.3	141,562.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	3,019.4
14. HOURS GENERATOR ON LINE	690.4	4,229.6	138,716.5
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,824,329	11,311,082	354,039,401
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	602,608	3,777,106	117,542,468
18. NET ELECTRICAL ENERGY GENERATED (MWH)	577,416	3,625,031	111,973,223
19. UNIT SERVICE FACTOR	95.9	97.4	71.4
20. UNIT AVAILABILITY FACTOR	95.9	97.4	71.4
21. UNIT CAPACITY FACTOR (USING MDC NET)	96.0	100.0	69.8
22. UNIT CAPACITY FACTOR (USING DER NET)	94.9	98.8	68.3
23. UNIT FORCED OUTAGE RATE	4.1	2.6	8.3

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	July 15, 1997
COMPLETED BY	Herzog O. Olsen
TELEPHONE	(410) 495-6734

REPORT MONTH June 1997

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
97-007	05/29/97	F	83.4	A	4	97-003	AB	PSF	The unit was shutdown in mode 3 (hot standby) due to a reactor coolant system leak. (pressurizer instrument line compression fitting).

<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?

Yes.

1. License Amendment to change Technical Specification Surveillance Requirements for No. 1B Emergency Diesel Generator upgrade.
  2. Letter to request exemption from General Design Criteria 2 for Nos. 1A and 2B Emergency Diesel Generator tornado doors.
  3. A License Amendment has been submitted to change the Reactor Coolant System flow based on exceeding the plugging limit on the steam generators. \*
  4. An Unreviewed Safety Question has been submitted to support replacement of the service water heat exchangers. \*
  5. An amendment has been submitted requesting approval of electro sleeving as a repair method for steam generator tubes. \*
  6. An amendment has been submitted requesting approval for Combustion Engineering methods of sleeving steam generator tubes as a repair method. \*
  7. A License Amendment is needed to change the axial power distribution enable to occur at 20% power. \*
5. Scheduled date(s) for submitting proposed licensing action and supporting information.
1. September 1997
  2. September 1997
  3. January 1997 \*
  4. May 1997 \*
  5. July 1996 \*
  6. November 1995 \*
  7. September 1997 \*
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) 1494 (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.

UNIT 1  
AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-317  
July 15, 1997  
Prepared by Herman O. Olsen  
Telephone: (410) 495-6734

JUNE 1997  
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| Day | Average Daily Power Level<br>(MWe-Net) | Day | Average Daily Power Level<br>(MWe-Net) |
|-----|----------------------------------------|-----|----------------------------------------|
| 1   | -32                                    | 17  | 859                                    |
| 2   | 211                                    | 18  | 858                                    |
| 3   | 819                                    | 19  | 855                                    |
| 4   | 856                                    | 20  | 854                                    |
| 5   | 856                                    | 21  | 854                                    |
| 6   | 857                                    | 22  | 854                                    |
| 7   | 857                                    | 23  | 851                                    |
| 8   | 857                                    | 24  | 850                                    |
| 9   | 857                                    | 25  | 848                                    |
| 10  | 859                                    | 26  | 847                                    |
| 11  | 859                                    | 27  | 844                                    |
| 12  | 859                                    | 28  | 846                                    |
| 13  | 858                                    | 29  | 848                                    |
| 14  | 855                                    | 30  | 851                                    |
| 15  | 857                                    |     |                                        |
| 16  | 857                                    |     |                                        |

DOCKET NO. 50-317  
CALVERT CLIFFS - UNIT 1  
July 15, 1997

### SUMMARY OF OPERATING EXPERIENCE

June 1997

The unit began the month in mode 3 (hot standby) due to a leak at a pressurizer pressure instrument line compression fitting. Repairs were made and the reactor was taken critical on 06/01/97 at 2318.

The unit was paralleled to the grid on 06/02/97 at 0537. Power reached 100% on 06/03/97 at 1058.

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

UNIT 2  
OPERATING DATA REPORT

Docket No. 50-318  
July 15, 1997  
Prepared by Herman O. Olsen  
Telephone: (410) 495-6734

OPERATING STATUS

|                                         |                       |
|-----------------------------------------|-----------------------|
| 1. UNIT NAME                            | Calvert Cliffs Unit 2 |
| 2. REPORTING PERIOD                     | JUNE 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-<br>to-Date | Cumulative<br>to Date |
|-------------------------------------------|------------|------------------|-----------------------|
|                                           | -----      | -----            | -----                 |
| 11. HOURS IN REPORTING PERIOD             | 720        | 4,343            | 177,503               |
| 12. NUMBER OF HOURS REACTOR WAS CRITICAL  | 720.0      | 2,731.1          | 132,573.5             |
| 13. REACTOR RESERVE SHUTDOWN HOURS        | 0.0        | 0.0              | 1,296.6               |
| 14. HOURS GENERATOR ON LINE               | 720.0      | 2,684.1          | 130,819.1             |
| 15. UNIT RESERVE SHUTDOWN HOURS           | 0.0        | 0.0              | 0.0                   |
| 16. GROSS THERMAL ENERGY GENERATED (MWH)  | 1,916,577  | 6,868,437        | 335,962,821           |
| 17. GROSS ELECTRICAL ENERGY GEN'TED (MWH) | 641,022    | 2,305,266        | 111,042,680           |
| 18. NET ELECTRICAL ENERGY GENERATED (MWH) | 615,878    | 2,201,535        | 106,178,718           |
| 19. UNIT SERVICE FACTOR                   | 100.0      | 61.8             | 73.7                  |
| 20. UNIT AVAILABILITY FACTOR              | 100.0      | 61.8             | 73.7                  |
| 21. UNIT CAPACITY FACTOR (USING MDC NET)  | 101.8      | 60.3             | 72.3                  |
| 22. UNIT CAPACITY FACTOR (USING DER NET)  | 101.2      | 60.0             | 70.8                  |
| 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:

N/A



## UNIT SHUTDOWNS AND POWER REDUCTIONS

|              |                   |
|--------------|-------------------|
| DOCKET NO.   | 50-318            |
| UNIT NAME    | Caivert Cliffs-U2 |
| DATE         | July 15, 1997     |
| COMPLETED BY | Herman O. Olsen   |
| TELEPHONE    | (410) 495-6734    |

**REPORT MONTH June 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. 2
2. Scheduled date for next refueling shutdown: March 1999
3. Scheduled date for restart following refueling: May 1999
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.  
  
None.
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool.  
  
                            (a) 217                                            (b) 1494 (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.

UNIT 2  
AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-318  
Calvert Cliffs Unit No. 2  
July 15, 1997  
Prepared by Herman O. Olsen  
Telephone: (410) 495-6734

JUNE 1997  
\*\*\*\*\*

| Average Daily Power Level<br>Day (MWe-Net) | Average Daily Power Level<br>Day (MWe-Net) |
|--------------------------------------------|--------------------------------------------|
| 1                                          | 851                                        |
| 2                                          | 855                                        |
| 3                                          | 855                                        |
| 4                                          | 857                                        |
| 5                                          | 857                                        |
| 6                                          | 856                                        |
| 7                                          | 858                                        |
| 8                                          | 858                                        |
| 9                                          | 858                                        |
| 10                                         | 858                                        |
| 11                                         | 858                                        |
| 12                                         | 858                                        |
| 13                                         | 858                                        |
| 14                                         | 859                                        |
| 15                                         | 859                                        |
| 16                                         | 858                                        |
| 17                                         | 859                                        |
| 18                                         | 858                                        |
| 19                                         | 848                                        |
| 20                                         | 851                                        |
| 21                                         | 853                                        |
| 22                                         | 854                                        |
| 23                                         | 854                                        |
| 24                                         | 853                                        |
| 25                                         | 851                                        |
| 26                                         | 857                                        |
| 27                                         | 853                                        |
| 28                                         | 851                                        |
| 29                                         | 854                                        |
| 30                                         | 853                                        |

DOCKET NO. 50-318  
CALVERT CLIFFS - UNIT  
July 15, 1997

SUMMARY OF OPERATING EXPERIENCE

June 1997

The unit operated at 100% for the entire month.