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R. E. DENTON  
GENERAL MANAGER  
CALVERT CLIFFS

July 14, 1992

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 1992 Operating Data Reports

Gentlemen:

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

Should you have any questions, please contact Mr. Bruce Mrowca at (410) 260-3989.

Very truly yours,

RED/LBS/bjd

Attachments

cc: D. A. Brune, Esquire  
J. E. Silberg, Esquire  
R. A. Capra, NRC  
D. G. McDonald, Jr., NRC  
T. T. Martin, NRC  
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 UNIT 1

OPERATING DATA REPORT

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Docket No. 50-317  
 July 14, 1992  
 Prepared by Leo Shanley  
 Telephone: (410)260-6744

OPERATING STATUS  
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|   |                       |
|---|-----------------------|
| 1. UNIT NAME                            | Calvert Cliffs Unit 1 |
| 2. REPORTING PERIOD                     | JUNE 1992             |
| 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<br>to Date |
|--|---------------|--------------|-----------------------|
|  | -----         |              |                       |
| 11. HOURS IN REPORTING PERIOD  | 720           | 4,367        | 150,324               |
| 12. NUMBER OF HOURS REACTOR WAS CRITICAL                                       | 0.0           | 1,882.0      | 105,181.8             |
| 13. REACTOR RESERVE SHUTDOWN HOURS   | 0.0           | 0.0          | 3,019.4               |
| 14. HOURS GENERATOR ON LINE  | 0.0           | 1,881.1      | 102,931.6             |
| 15. UNIT RESERVE SHUTDOWN HOURS  | 0.0           | 0.0          | 0.0                   |
| 16. GROSS THERMAL ENERGY GENERATED (MWH)                                       | 0             | 5,052,583    | 259,389,090           |
| 17. GROSS ELECTRICAL ENERGY GEN'TED (MWH)                                      | 0             | 1,676,717    | 86,212,405            |
| 18. NET ELECTRICAL ENERGY GENERATED (MWH)                                      | 0             | 1,609,202    | 81,964,707            |
| 19. UNIT SERVICE FACTOR  | 0.0           | 43.1         | 68.5                  |
| 20. UNIT AVAILABILITY FACTOR   | 0.0           | 43.1         | 68.5                  |
| 21. UNIT CAPACITY FACTOR (USING MDC NET)                                       | 0.0           | 44.7         | 66.1                  |
| 22. UNIT CAPACITY FACTOR (USING DER NET)                                       | 0.0           | 43.6         | 64.5                  |
| 23. UNIT FORCED OUTAGE RATE  | 0.0           | 1.3          | 9.3                   |
| 24. SHUTDOWNS SCHEDULED OVER THE NEXT<br>SIX MONTHS (TYPE, DATE AND DURATION): | N/A           |              |                       |
| 25. IF SHUTDOWN AT END OF REPORT PERIOD,<br>ESTIMATED DATE OF START-UP:        | July 28, 1992 |              |                       |

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-317  
 UNIT NAME Calvert Cliffs-U1  
 DATE July 14, 1992  
 COMPLETED BY Leo Shanley  
 TELEPHONE (410)260-6744

REPORT MONTH June 1992

| 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 |
|-------|--------|-------------------|------------------|---------------------|--|-------------------------|--------------------------|-----------------------------|---|
| 92-02 | 920320 | S                 | 720.0            | C                   | 4  |                         |                          |                             | Continued refueling outage from previous 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

AVERAGE DAILY UNIT POWER LEVEL

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DocId: No. 50-317  
 Calvert Cliffs Unit No. 1  
 July 14, 1992  
 Prepared by Leo Shanley  
 Telephone: (410) 260-6744

JUNE 1992

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| Day | Average Daily Power Level<br>(MWe-Net) | Day | Average Daily Power Level<br>(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 14, 1992

## SUMMARY OF OPERATING EXPERIENCE

June 1992

The unit began the month defueled in a scheduled refueling outage.

The following items were completed this month:

- SG secondary side modifications
- Saltwater header work
- 11 EDG overhaul

The reactor was refueled from June 14 to June 18. The reactor vessel head was tensioned and the unit entered Mode 5 on June 24.

The unit ended the month in Mode 5 with preparations being made for an Integrated Leak Rate Test and a mid- to late-July startup.

July 6, 1992

REFUELING INFORMATION REQUEST

1. Name of facility: **Calvert Cliffs Nuclear Power Plant, Unit No. 1.**
2. Scheduled date for next refueling shutdown: **March 20, 1992\*\*.**
3. Scheduled date for restart following refueling: **\*\*\*.**
4. Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?

**None\*.**

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

**None.**

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) 1370\*.

**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) 180. (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.  
**March 1993**

**\*Entry has changed since last reported.**

**\*\* OUTAGE START DATE. Unit currently in a refueling outage.**

**\*\*\* Unit currently in a refueling outage. See the Operating Report for Restart Date.**

UNIT 2

OPERATING DATA REPORT

Docket No. 50-318  
 July 14, 1992  
 Prepared by Leo Shanley  
 Telephone: (410)260-6744

OPERATING STATUS

|   |                       |
|---|-----------------------|
| 1. UNIT NAME                            | Calvert Cliffs Unit 2 |
| 2. REPORTING PERIOD                     | JUNE 1992             |
| 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<br>to Date |
|---|--------------|--------------|-----------------------|
|   | -----        |              |                       |
| 21. HOURS IN REPORTING PERIOD   | 720          | 4,367        | 133,679               |
| 22. NUMBER OF HOURS REACTOR WAS CRITICAL  | 555.4        | 3,819.2      | 95,859.5              |
| 23. REACTOR RESERVE SHUTDOWN HOURS  | 0.0          | 0.0          | 1,296.6               |
| 24. HOURS GENERATOR ON LINE   | 555.4        | 3,783.2      | 94,505.4              |
| 25. UNIT RESERVE SHUTDOWN HOURS   | 0.0          | 0.0          | 0.0                   |
| 26. GROSS THERMAL ENERGY GENERATED (MWH)  | 1,496,935    | 10,113,665   | 240,252,971           |
| 27. GROSS ELECTRICAL ENERGY GEN'TED(MWH)  | 488,643      | 3,345,327    | 79,429,708            |
| 28. NET ELECTRICAL ENERGY GENERATED(MWH)  | 468,620      | 3,210,394    | 75,888,542            |
| 29. UNIT SERVICE FACTOR   | 77.1         | 86.6         | 70.7                  |
| 30. UNIT AVAILABILITY FACTOR  | 77.1         | 86.6         | 70.7                  |
| 31. UNIT CAPACITY FACTOR (USING MDC NET)  | 78.9         | 89.1         | 68.8                  |
| 32. UNIT CAPACITY FACTOR (USING DER NET)  | 77.0         | 87.0         | 67.2                  |
| 33. UNIT FORCED OUTAGE RATE   | 22.9         | 13.4         | 5.9                   |
| 34. SHUTDOWNS SCHEDULED OVER THE NEXT<br>SIX MONTHS (TYPE, DATE AND DURATIO <sup>N</sup> ): | N/A          |              |                       |
| 35. IF UNIT IS SHUTDOWN AT END OF REPORT PERIOD,<br>ESTIMATED DATE OF START-UP:             | July 7, 1992 |              |                       |

**UNIT SHUTDOWNS AND POWER REDUCTIONS**

DOCKET NO. 50-318  
 UNIT NAME Calvert Cliffs-U2  
 DATE July 14, 1992  
 COMPLETED BY Leo Shanley  
 TELEPHONE (410)260-6744

REPORT MONTH June 1992

| 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   |
|-------|--------|-------------------|------------------|---------------------|--|-------------------------|--------------------------|-----------------------------|---|
| 92-05 | 920624 | F                 | 164.6            | A                   | 2  | 92-003                  | SG                       | EXJ                         | 1) Unit was manually tripped due to loss of vacuum in the Main Condenser. Cause was the failure of 21 condenser expansion joint.<br>2) Expansion joint was replaced.<br>3) Root cause analysis and further corrective actions are being investigated. |

<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



AVERAGE DAILY UNIT POWER LEVEL

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Docket No. 50-318  
 Calvert Cliffs Unit No. 2  
 July 14, 1992  
 Prepared by Leo Shanley  
 Telephone: (410) 260-6744

JUNE 1992

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| Average Daily Power Level |           | Average Daily Power Level |           |
|---------------------------|-----------|---------------------------|-----------|
| Day                       | (MWe-Net) | Day                       | (MWe-Net) |
| 1                         | 855       | 17                        | 842       |
| 2                         | 851       | 18                        | 844       |
| 3                         | 854       | 19                        | 844       |
| 4                         | 855       | 20                        | 840       |
| 5                         | 850       | 21                        | 838       |
| 6                         | 849       | 22                        | 840       |
| 7                         | 848       | 23                        | 841       |
| 8                         | 847       | 24                        | 86        |
| 9                         | 845       | 25                        | 0         |
| 10                        | 842       | 26                        | 0         |
| 11                        | 841       | 27                        | 0         |
| 12                        | 842       | 28                        | 0         |
| 13                        | 843       | 29                        | 0         |
| 14                        | 845       | 30                        | 0         |
| 15                        | 843       |                           |           |
| 16                        | 841       |                           |           |

DOCKET #50-318  
CALVERT CLIFFS - UNIT 2  
July 14, 1992

## SUMMARY OF OPERATING EXPERIENCE

June 1992

The unit began the month at 100% power (855 MWe).

Power was reduced to 98% at 0435 on June 5 due to indications that condenser cooling water differential temperature was greater than 12°F. The unit was returned to 100% power at 0510 after operators determined that the actual differential temperature was less than 12°F.

The unit was manually tripped at 0309 on June 24 due to decreasing vacuum in the Main Condenser. The cause was a ruptured expansion joint between the turbine and 21 Condenser. The unit was cooled down to Mode 5 on June 25 for repairs.

The expansion joint was replaced but the unit remained in Mode 5 to replace 22 Containment Air Cooler's power cables.

July 6, 1992

REFUELING INFORMATION REQUEST

1. Name of facility: Calvert Cliffs Nuclear Power Plant, Unit No. 2
2. Scheduled date for next refueling shutdown: March 5, 1993.
3. Scheduled date for restart following refueling: May 27, 1993.
4. Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?

Not identified at this time.

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

December 4, 1992.

6. Important licensing considerations associated with the refueling.

The target length for this cycle will be 570 effective full power days.

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

(a) 217. (b) 1370\*.

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) 2380.

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 1993

\*Entry has changed since last reported.