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R. E. DENTON
GENERAL MANAGER
CALVERT CLIFFS

March 12, 1991

U.S. Nuclear Regulatory Commission
Washington, DC 20555

ATTENTION: Document Control Desk

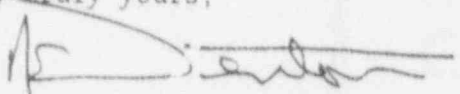
SUBJECT: Calvert Cliffs Nuclear Power Plant
Unit Nos. 1 & 2; Dockets 50-317 and 50-318
February 1991 Operating Data Reports

Gentlemen:

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

Should you have any further questions regarding this matter, please contact Bruce Mrowca at (301) 260-3989.

Very truly yours,



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UNIT 1

OPERATING DATA REPORT

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Docket No. 50-317
March 12, 1991
Prepared by Leo Shanley
Telephone:(301)260-6744

OPERATING STATUS

1.	UNIT NAME	Calvert Cliffs Unit 1
2.	REPORTING PERIOD	FEBRUARY 1991
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
11.	HOURS IN REPORTING PERIOD	672	1,416	138,613
12.	NUMBER OF HOURS REACTOR WAS CRITICAL	283.7	1,027.7	97,544.5
13.	REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	3,019.4
14.	HOURS GENERATOR ON LINE	262.9	1,006.9	95,296.7
15.	UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16.	GROSS THERMAL ENERGY GENERATED (MWH)	682,267	2,498,016	239,528,730
17.	GROSS ELECTRICAL ENERGY GEN'TED(MWH)	226,121	828,495	79,659,262
18.	NET ELECTRICAL ENERGY GENERATED(MWH)	215,812	791,528	75,681,705
19.	UNIT SERVICE FACTOR	39.1	71.1	68.8
20.	UNIT AVAILABILITY FACTOR	39.1	71.1	68.8
21.	UNIT CAPACITY FACTOR (USING MDC NET)	38.9	67.8	66.2
22.	UNIT CAPACITY FACTOR (USING DER NET)	38.0	66.2	64.6
23.	UNIT FORCED OUTAGE RATE	60.9	28.9	9.7

24. SHUTDOWNS SCHEDULED OVER THE NEXT SIX MONTHS (TYPE, DATE AND DURATION):
Maintenance/Test, May 4, 1991 for 58 days

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 March 12, 1991
COMPLETED BY Leo Shanley
TELEPHONE (301)260-6744

REPORT MONTH February 1991

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
91-02	910202	F	409.1	B	1	N/A	SF	PIPEXX	1) Unit was shutdown to inspect and, if necessary, clean out containment sump recirculation suction piping. Debris had been found in the same piping on Unit 2 and there was a concern that there was debris in Unit 1. 2) Inspected and cleaned piping. Performed operability evaluation. 3) Plan is to revise operating procedures to require installation of a sump cover when shutdown to prevent debris from entering sump.

1 F: Forced
S: Scheduled

2 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)

3 Method:
1-Manual
2-Manual Scram.
3-Automatic Scram.
4-Other (Explain)

4 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
March 12, 1991
Completed by Leo Shanley
Telephone: (301) 260-6744

FEBRUARY 1991

Day	Average Daily Power Level (MWe-Net)	Day	Average Daily Power Level (MWe-Net)
1	854	17	0
2	28	18	0
3	0	19	383
4	0	20	856
5	0	21	859
6	0	22	858
7	0	23	859
8	0	24	859
9	0	25	859
10	0	26	859
11	0	27	859
12	0	28	859
13	0		
14	0		
15	0		
16	0		

DOCKET # 50-317
CALVERT CLIFFS - UNIT 1
March 12, 1991

SUMMARY OF OPERATING EXPERIENCE

February 1991

The unit began the month at 100% power (860 MWe).

At 2145 on 1 February, a power reduction was commenced in preparation for an unplanned maintenance outage. The outage was needed to inspect and, if necessary, clean the containment sump recirculation suction piping. This issue surfaced after debris was found in the same piping on Unit 2.

The generator was removed from the grid on 2 February at 0345 and the reactor was shutdown at 0452. Inspection and cleaning of the containment sump recirculation lines were completed. However, the outage was extended due to:

1. Work required to repair 12B Safety Injection Tank (SIT) Outlet Check Valve.

2. Modifications required to the containment pressure transmitter tubing and supports. Prior to modification, the tubing was subject to damage in the event of a seismic transient.

The reactor was taken critical at 0910 on 18 February and the generator was paralleled with the grid at 0454 on 19 February after repairing leaks on the Main Turbine Control Valve hydraulic system. 100% power was achieved at 2340 on 19 February.

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

March 7, 1991

REFUELING INFORMATION REQUEST

1. Name of facility: Calvert Cliffs Nuclear Power Plant, Unit No. 1.

2. Scheduled date for next refueling shutdown: March 6, 1992.

3. Scheduled date for restart following refueling: May 17, 1992.

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 anticipated changes will effect consistency between the Unit 2 Cycle 9 Tech Specs and the Tech Specs for Unit 1 Cycle 11.

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

   November 1, 1991. (reload submittal)

6. Important licensing considerations associated with the refueling.

   None identified at this time.

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

   (a) 217. (b) 1326.

   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.

   March 1992.

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UNIT 2

OPERATING DATA REPORT

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Docket No. 50-318
March 12, 1991
Prepared by Leo Shanley
Telephone:(301)260-6744

OPERATING STATUS

1.	UNIT NAME	Calvert Cliffs Unit 2
2.	REPORTING PERIOD	FEBRUARY 1991
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
11.	HOURS IN REPORTING PERIOD	672	1,416	121,968
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	70.7
20.	UNIT AVAILABILITY FACTOR	0.0	0.0	70.7
21.	UNIT CAPACITY FACTOR (USING MDC NET)	0.0	0.0	68.6
22.	UNIT CAPACITY FACTOR (USING DER NET)	0.0	0.0	67.0
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:
March 27, 1991

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-318
UNIT NAME Calvert Cliffs-U2
DATE March 12, 1991
COMPLETED BY Leo Shanley
TELEPHONE (301)260-6744

REPORT MONTH February 1991

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
91-02	910201	S	672	C	N/A	N/A			Continued shutdown for 8th Cycle Refueling Outage.

1 F: Forced
S: Scheduled

2 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)

3 Method:
1-Manual
2-Manual Scram.
3-Automatic Scram.
4-Other (Explain)

4 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

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Docket No. 50-318
Calvert Cliffs Unit No. 2
March 12, 1991
Completed by Leo Shanley
Telephone: (301) 260-6744

FEBRUARY 1991

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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		
14	0		
15	0		
16	0		

DOCKET # 50-318
CALVERT CLIFFS - UNIT 2
March 12, 1991

SUMMARY OF OPERATING EXFERIENCE

February 1991

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

The pressurizer bubble was drawn on 10 February.

Secondary vacuum was established on 25 February.

Maintenance and Surveillance Test Procedures continued in preparation for plant heatup and reactor startup.

The unit is scheduled to return to service on March 27, 1991.

March 7, 1991

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: March 27, 1991.*

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) 217. (b) 1326.

   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.

   March 1992.

** UNIT CURRENTLY IN REFUELING SHUT DOWN

* ENTRY HAS CHANGED SINCE LAST REPORTED