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R. E. DENTON
GENERAL MANAGER
CALVERT CLIFFS

April 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
March 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) 760-3989.

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
P. R. Wilson, NRC
R. I. McLean, DNR
J. H. Walter, PSC
R. A. Hartfield, NRC
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UNIT SHUTDOWNS AND POWER REDUCTIONS

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

REPORT MONTH March 1992

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
92-01	920319	F	24.0	H	1	1-92-002	EE	GENERA	1) Unit was shutdown when all three EDGs were declared inoperable. 2) An inspection revealed that during certain accident scenarios, sequential loading of the EDGs could occur in a manner not analyzed. 3) Temporary modifications were made to allow for continued shutdown operations. The LOCI sequencers will be modified during the up-coming refueling outage.
92-02	920320	S	278.9	C	4				Refueling outage.

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 Exhibit F - Instructions for Preparation of Data Entry Sheets for License Event Report (LER) File (NUREG-0161)
⁵ Exhibit H - Same Source

 UNIT 1

OPERATING DATA REPORT

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

OPERATING STATUS

1. UNIT NAME	Calvert Cliffs Unit 1
2. REPORTING PERIOD	MARCH 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 to Date

11. HOURS IN REPORTING PERIOD	744	2,184	148,141
12. NUMBER OF HOURS REACTOR WAS CRITICAL	442.0	1,832.0	105,181.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	3,019.4
14. HOURS GENERATOR ON LINE	441.1	1,881.1	102,931.6
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,191,679	5,052,583	259,389,090
17. GROSS ELECTRICAL ENERGY GEN'TED (MWH)	392,627	1,676,717	86,212,405
18. NET ELECTRICAL ENFRGY GENERATED (MWH)	376,479	1,609,202	81,964,707
19. UNIT SERVICE FACTOR	59.3	86.1	69.5
20. UNIT AVAILABILITY FACTOR	59.3	86.1	69.5
21. UNIT CAPACITY FACTOR (USING MDC NET)	61.3	89.3	67.1
22. UNIT CAPACITY FACTOR (USING DER NET)	59.9	87.2	65.5
23. UNIT FORCED OUTAGE RATE	5.2	1.3	9.3
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 :	June 29, 1992		

AVERAGE DAILY UNIT POWER LEVEL

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

MARCH 1992

Day	Average Daily Power Level (MWe-Net)	Day	Average Daily Power Level (MWe-Net)
1	857	17	856
2	857	18	854
3	858	19	257
4	858	20	0
5	858	21	0
6	858	22	0
7	859	23	0
8	858	24	0
9	859	25	0
10	857	26	0
11	857	27	0
12	857	28	0
13	855	29	0
14	857	30	0
15	857	31	0
16	857		

DOCKET #50-317
CALVERT CLIFFS - UNIT 1
April 14, 1992

SUMMARY OF OPERATING EXPERIENCE

March 1992

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

A coastdown was commenced on March 15 in preparation for the up-coming refueling outage.

At 0515 on March 19, all three Emergency Diesel Generators (EDGs) were declared inoperable when it was determined that a degraded voltage condition could occur on safety equipment buses during certain improbable accident scenarios. A unit shutdown was commenced.

The unit was removed from the grid at 0904 and the reactor was shutdown at 1000. The unit entered hot shutdown (Mode 4) at 2200.

The scheduled refueling outage was commenced on March 20.

The unit ended the month in cold shutdown (Mode 5).

April 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: June 29, 1992*.
4. Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?

The Tech Spec concerning Unit 1 Cycle 11's maximum enrichment per reload core (4.35 w/o) must be approved prior to on loading the core.

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.

Submitted, December 10, 1991.
6. Important licensing considerations associated with the refueling.

License submittal under review by NRC.
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 1993

*Entry has changed since last reported.

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

 UNIT 2

OPERATING DATA REPORT

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

OPERATING STATUS

1. UNIT NAME	Calvert Cliffs Unit 2
2. REPORTING PERIOD	MARCH 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 to Date

11. HOURS IN REPORTING PERIOD	744	2,184	131,496
12. NUMBER OF HOURS REACTOR WAS CRITICAL	443.7	1,854.2	93,894.5
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1,296.6
14. HOURS GENERATOR ON LINE	442.3	1,833.1	92,555.3
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWE)	1,187,878	4,906,234	235,045,540
17. GROSS ELECTRICAL ENERGY GEN'TED (MWH)	395,431	1,632,808	77,717,189
18. NET ELECTRICAL ENERGY GENERATED (MWH)	379,260	1,567,156	74,245,304
19. UNIT SERVICE FACTOR	59.4	83.9	70.4
20. UNIT AVAILABILITY FACTOR	59.4	83.9	70.4
21. UNIT CAPACITY FACTOR (USING MDC NET)	61.8	87.0	68.4
22. UNIT CAPACITY FACTOR (USING DER NET)	60.3	84.9	66.8
23. UNIT FORCED OUTAGE RATE	40.6	16.1	5.8
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:	April 3, 1992		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 59-318
 UNIT NAME Calvert Cliffs-U2
 DATE April 14, 1992
 COMPLETED BY Leo Shanley
 TELEPHONE (410)260-6744

REPORT MONTH March 1992

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
92-02	920319	F	301.7	H	1	1-92-002	EE	GENERA	1) Unit was shutdown when all three EDGs were declared inoperable. 2) An inspection revealed that during certain accident scenarios, sequential loading of the EDGs could occur in a manner not analyzed. 3) Installed modifications to the EDG LOCI sequencers.

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 Exhibit F - Instructions for Preparation of Data Entry Sheets for License Event Report (LER) File (NUREG-0161)

⁵ Exhibit H - Same Source

AVERAGE DAILY UNIT POWER LEVEL

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

MARCH 1992

Day	Average Daily Power Level (MWe-Net)	Day	Average Daily Power Level (MWe-Net)
	860	17	861
2	863	18	862
3	864	19	276
4	864	20	0
5	863	21	0
6	863	22	0
7	864	23	0
8	863	24	0
9	863	25	0
10	864	26	0
11	864	27	0
12	862	28	0
13	861	29	0
14	862	30	0
15	862	31	0
16	861		

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

SUMMARY OF OPERATING EXPERIENCE

March 1992

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

At 0515 on March 19, all three Emergency Diesel Generators (EDGs) were declared inoperable when it was determined that a degraded voltage condition could occur on safety equipment buses during certain improbable accident scenarios. A unit shutdown was commenced.

The unit was removed from the grid at 1020 and the reactor was shutdown at 1140. The unit entered hot shutdown (Mode 4) at 2230.

Modifications were made to the LOCI sequencers.

The unit ended the month in Mode 5 with preparations being made for a Reactor Startup.

April 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 17, 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.

November 17, 1992.

6. Important licensing considerations associated with the refueling.
The target length for this cycle will be 702 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) 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 1993

*Entry has changed since last reported.