



CHARLES CENTER • P.O. BOX 1475 • BALTIMORE, MARYLAND 21203-1475

R. E. DENTON
GENERAL MANAGER
CALVERT CLIFFS

November 13, 1990

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
October 1990 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,

RED/LBS/reu

Attachments

cc: D. A. Brune, Esquire
J. E. Silberg, Esquire
R. A. Capra, NRC
D. G. McDonald, Jr., NRC
T. T. Martin, NRC
R. I. McLean
R. Hartfield, NRC
J. Wheelock, INPO
Resident Inspector, NRC

9011160156 901031
PDR ADOCK 05000317
R PDC

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U. S. Nuclear Regulatory Commission

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bcc: J. A. Tiernan
A. J. Slusark
C. H. Cruse
P. E. Katz
R. P. Heibel
T. N. Pritchett
M. J. Miernicki
M. C. Gavrilas
E. I. Bauereis
R. B. Pond, Jr.
S. R. Buxbaum, Jr.
C. C. Lawrence, III
A. R. Thornton.
L. B. Russell
J. R. Lemons
R. M. Douglass
R. F. Ash
W. R. Corcoran
R. E. Denton
R. C. DeYoung
C. P. Johnson
J. J. Connolly
J. H. Walter
G. L. Bell
M. L. Stone
E. K. Bewley
J. E. Ringsdorf, Jr.
J. F. Lohr
L. O. Wenger/L. B. Shanley
J. A. Mihalcik/K. J. Allor
B. S. Montgomery
D. Song
G. L. Adams (2 copies)
A. B. Anuje
G. L. Detter
G. J. Falibota
L. D. Graber
D. V. Graf
L. S. Larragoite
P. A. Pieringer
J. E. Baum
Technical Librarian
File

 UNIT 1

OPERATING DATA REPORT

Docket No. 50-317
 November 13, 1990
 Prepared by Leo Shanley
 Telephone:(301)260-6744

OPERATING STATUS

1. UNIT NAME	Calvert Cliffs Unit 1
2. REPORTING PERIOD	OCTOBER 1990
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	745	7,296	135,733
12. NUMBER OF HOURS REACTOR WAS CRITICAL	690.9	932.8	95,525.1
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2,019.4
14. HOURS GENERATOR ON LINE	666.3	860.6	93,309.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,489,721	1,747,644	234,438,894
17. GROSS ELECTRICAL ENERGY GEN'TED(MWH)	475,450	551,582	77,970,699
18. NET ELECTRICAL ENERGY GENERATED(MWH)	452,270	519,459	74,065,269
19. UNIT SERVICE FACTOR	89.4	11.8	68.7
20. UNIT AVAILABILITY FACTOR	89.4	11.8	68.7
21. UNIT CAPACITY FACTOR (USING MDC NET)	73.6	8.6	66.1
22. UNIT CAPACITY FACTOR (USING DER NET)	71.8	8.4	64.6
23. UNIT FORCED OUTAGE RATE	0.0	3.8	9.5
24. SHUTDOWNS SCHEDULED OVER THE NEXT SIX MONTHS (TYPE, DATE AND DURATION):			
Maintenance/Test: March 8, 1991 for 44 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 November 13, 1990
 COMPLETED BY Leo Shanley
 TELEPHONE (301)260-6744

REPORT MONTH October 1990

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
90-13	901001	S	78.7	B	N/A	N/A			Continued with shutdown for scheduled maintenance 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

Docket No. 50-317
 Calvert Cliffs Unit No. 1
 November 13, 1990
 Completed by Leo Shanley
 Telephone: (301) 260-6744

OCTOBER 1990

Day	Average Daily Power Level (MWe-Net)	Day	Average Daily Power Level (MWe-Net)
1	0	17	833
2	0	18	834
3	0	19	831
4	72	20	743
5	140	21	776
6	153	22	848
7	158	23	850
8	161	24	852
9	188	25	853
10	550	26	858
11	702	27	856
12	824	28	855
13	800	29	858
14	834	30	858
15	832	31	858
16	833		

DOCKET # 50-317
CALVERT CLIFFS - UNIT 1
November 13, 1990

SUMMARY OF OPERATING EXPERIENCE

October 1990

The unit began the month in a continuation of the scheduled 10-week outage for Steam Generator Eddy Current testing.

The unit was taken critical at 0607 on October 3, 1990. However, paralleling with the grid was delayed until 0642 on October 4 due to problems with the main generator voltage regulator.

Power was maintained below 30% power for chemistry, maintenance and evaluation by the Startup Review Board. A slow ramp up was commenced on October 9 at 1730. 85% power was reached at 1925 on October 10. Power was held at 85% to complete STP M-213-1 (Calibration of Ex-core detectors.)

On October 11 at 1900, power escalation to 100% was recommenced. 100% power (825 MWe Net) was reached on October 12 at 0500.

On October 13 at 0800, power was reduced to 90% due to a suspected leak in the Main Condenser waterbox. No tube leaks were found. Power was returned to 100% at 1630.

Power was reduced to 90% from 0120, October 20 until 1915, October 21, for Main Condenser waterbox cleaning.

The unit ended the month at 100% power (850 MWe Net).

November 6, 1990

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 tentatively approved 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.

August 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) 1543

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 1994.

UNIT 2

OPERATING DATA REPORT

Docket No. 50-318
November 13, 1990
Prepared by Leo Shanley
Telephone: (301)260-6744

OPERATING STATUS

1. UNIT NAME	Calvert Cliffs Unit 2
2. REPORTING PERIOD	OCTOBER 1990
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	745	7,296	119,088
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 GENERATEL. (MWH)	0	0	69,042,571
19. UNIT SERVICE FACTOR	0.0	0.0	72.4
20. UNIT AVAILABILITY FACTOR	0.0	0.0	72.4
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	0.0	70.3
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	0.0	68.6
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: January 15, 1990			

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-318
 UNIT NAME Calvert Cliffs-U2
 DATE November 13, 1990
 COMPLETED BY Leo Shanley
 TELEPHONE (301)260-6744

REPORT MONTH October 1990

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
90-10	901001	S	745	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

Docket No. 50-318
 Calvert Cliffs Unit No. 2
 November 13, 1990
 Completed by Leo Shanley
 Telephone: (301) 260-6744

OCTOBER 1990

Average Daily Power Level		Average Daily Power Level	
Day	(MWe-Net)	Day	(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	31	0
16	0		

DOCKET # 50-318
CALVERT CLIFFS - UNIT 2
November 13, 1990

SUMMARY OF OPERATING EXPERIENCE

October 1990

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

Work continued on the Salt Water System.

The unit is scheduled to return to service on January 15, 1990.

November 6, 1990

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: January 15, 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) 0 (b) 1543

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 1994.

** UNIT CURRENTLY IN REFUELING SHUT DOWN

* ENTRY HAS CHANGED SINCE LAST REPORTED