



CALVERT CLIFFS NUCLEAR POWER PLANT
1650 CALVERT CLIFFS PARKWAY • LUSBY, MARYLAND 20657-4702

CHARLES H. CRUSE
PLANT GENERAL MANAGER
CALVERT CLIFFS

May 12, 1993

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
April 1993 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,

CHC/FP/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
P. Lewis, INPO
K. Larson, ANI

180004

9305180186 930430
PDR ADDCK 05000317
R PDR

1824
11

UNIT 1

OPERATING DATA REPORT

Docket No. 50-317
May 12, 1993
Prepared by Frank Piazza
Telephone: (410)260-3821

OPERATING STATUS

1. UNIT NAME	Calvert Cliffs Unit 1
2. REPORTING PERIOD	APRIL 1993
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	719	2,879	157,620
12. NUMBER OF HOURS REACTOR WAS CRITICAL	719.0	2,879.0	111,229.0
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	3,019.4
14. HOURS GENERATOR ON LINE	719.0	2,879.0	108,857.9
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,922,364	7,742,392	275,021,243
17. GROSS ELECTRICAL ENERGY GEN'TED (MWH)	648,980	2,611,781	91,439,315
18. NET ELECTRICAL ENERGY GENERATED (MWH)	624,054	2,510,294	86,979,680
19. UNIT SERVICE FACTOR	100.0	100.0	69.1
20. UNIT AVAILABILITY FACTOR	100.0	100.0	69.1
21. UNIT CAPACITY FACTOR (USING MDC NET)	105.2	105.7	66.9
22. UNIT CAPACITY FACTOR (USING DER NET)	102.7	103.2	65.3
23. UNIT FORCED OUTAGE RATE	0.0	0.0	9.0

24. SHUTDOWNS SCHEDULED OVER THE NEXT
SIX MONTHS (TYPE, DATE AND DURATION):
Maintenance, October 1, * Time change

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 May 12, 1993
 COMPLETED BY Frank Piazza
 TELEPHONE (410) 260-3821

REPORT MONTH April 1993

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
									There were no significant power reductions this month.

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 IEEE Standard 805-1984
⁵ IEEE Standard 803A-1983

AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-317
Calvert Cliffs Unit No. 1
May 12, 1993
Prepared by Frank Piazza
Telephone: (410) 260-3821

APRIL 1993

Day	Average Daily Power Level (MWe-Net)	Day	Average Daily Power Level (MWe-Net)
1	881	17	876
2	880	18	876
3	801	19	862
4	805	20	855
5	877	21	869
6	880	22	868
7	879	23	872
8	865	24	833
9	860	25	871
10	876	26	872
11	878	27	871
12	878	28	871
13	877	29	870
14	876	30	870
15	877		
16	876		

DOCKET NO. 50-317
CALVERT CLIFFS - UNIT 1
May 12, 1993

SUMMARY OF OPERATING EXPERIENCE

April 1993

The unit began the month at 100% (875 MWe).

Power reduction commenced at 0014 on April 3 to repair #12 Heater Drain Tank Normal Level Control Valve and to clean condenser waterboxes. Power variations were made with the lowest power level being 89% occurring at 0130. The power was again restored to 100% at 0225 on April 5.

Because of difficulty in maintaining proper differential temperature across the condenser, power was reduced at 0230 on April 8 for cleaning 13A Waterbox. Due to further problems maintaining proper differential temperature, 13A Waterbox was restored to service and power was returned to 100% (875 MWe) at 0335. At 2200, power reduction commenced to remove vegetation debris from the inlet strainer valve. The power was restored to 100% at 0620 on April 9.

Power was decreased to repair a tube leak in 11B Condenser Waterbox and was again restored to 100% at 1700 on April 20.

Commencing at 0330 on April 24, power was reduced for maintenance on 13B Amertap and 11 Heater Drain Pump Normal Level Control Valve. Power was restored at 1700 to 100% power.

The unit finished the month at 100% (870 MWe).

May 7, 1993

REFUELING INFORMATION REQUEST

1. Name of facility: Calvert Cliffs Nuclear Power Plant, Unit No. 1.
2. Scheduled date for next refueling shutdown: March 5, 1994.
3. Scheduled date for restart following refueling:
None identified at this time.
4. Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?
None identified at this time.
5. Scheduled date(s) for submitting proposed licensing action and supporting information.
December 1993 for U1C12.
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) 1627.
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 2014

NOTE 1: 4710 total licensed site storage capacity.
(1830 pool + 2880 ISFSI)

UNIT 2

OPERATING DATA REPORT

Docket No. 50-318
May 12, 1993
Prepared by Frank Piazza
Telephone: (410)260-3821

OPERATING STATUS

1. UNIT NAME	Calvert Cliffs Unit 2
2. REPORTING PERIOD	APRIL 1993
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)	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	719	2,879	140,975
12. NUMBER OF HOURS REACTOR WAS CRITICAL	0.0	1,203.6	101,168.0
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1,296.6
14. HOURS GENERATOR ON LINE	0.0	1,201.7	99,783.5
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	0	3,222,124	254,366,916
17. GROSS ELECTRICAL ENERGY GEN'TED (MWH)	0	1,072,647	84,031,425
18. NET ELECTRICAL ENERGY GENERATED (MWH)	0	1,028,672	80,297,101
19. UNIT SERVICE FACTOR	0.0	41.7	70.8
20. UNIT AVAILABILITY FACTOR	0.0	41.7	70.8
21. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	43.3	69.0
22. UNIT CAPACITY FACTOR (USING DER NET)	0.0	42.3	67.4
23. UNIT FORCED OUTAGE RATE	0.0	0.0	5.9
24. SHUTDOWNS SCHEDULED OVER THE NEXT			

SIX MONTHS (TYPE, DATE AND DURATION):

N/A

* Time change

25. IF UNIT IS SHUTDOWN AT END OF REPORT PERIOD,
ESTIMATED DATE OF START-UP:
June 4, 1993

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-318
UNIT NAME Calvert Cliffs-U2
DATE May 12, 1993
COMPLETED BY Frank Piazza
TELEPHONE (410) 260-3821

REPORT MONTH April 1993

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
93-01	930220	S	719.0	C	1	N/A	N/A	N/A	Unit shutdown for planned 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 IEEE Standard 805-1984

⁵ IEEE Standard 803A-1983

AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-318
Calvert Cliffs Unit No. 2
May 12, 1993
Prepared by Frank Piazza
Telephone: (410) 260-3821

APRIL 1993

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	29	0
14	0	30	0
15	0		
16	0		

DOCKET NO. 50-318
CALVERT CLIFFS - UNIT 2
May 12, 1993

SUMMARY OF OPERATING EXPERIENCE

April 1993

The unit remained shutdown for a Refueling Outage with the core off-loaded.. The following significant work was completed.

- Saltwater header work ongoing.
- Completed S/G Eddy current testing and plugging.
- A leak in the RWT was weld-repaired.

May 7, 1993

REFUELING INFORMATION REQUEST

1. Name of facility: Calvert Cliffs Nuclear Power Plant, Unit No. 2
2. Scheduled date for next refueling shutdown: Currently in Refueling/Next Refueling, March 1995.
3. Scheduled date for restart following refueling: June 4, 1993/unknown.
4. Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?

No/unknown.
5. Scheduled date(s) for submitting proposed licensing action and supporting information.

None required/unknown.
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) 0. (b) 1627.

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 2016.

NOTE 1: 4710 total licensed site storage capacity.
(1830 pool + 2880 ISFSI)