

\*\*\*\*\*

UNIT 1

OPERATING DATA REPORT

\*\*\*\*\*

Docket No. 50-317  
June 15, 1994  
Prepared by Frank Piazza  
Telephone:(410)260-3821

OPERATING STATUS

1. UNIT NAME	Calvert Cliffs Unit 1
2. REPORTING PERIOD	MAY 1994
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)	830
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	3,623	167,124
12. NUMBER OF HOURS REACTOR WAS CRITICAL	376.5	1,111.1	118,080.1
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	3,019.4
14. HOURS GENERATOR ON LINE	173.5	894.2	115,472.6
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	245,853	2,149,584	292,464,403
17. GROSS ELECTRICAL ENERGY GEN'TED(MWH)	77,584	715,077	97,188,623
18. NET ELECTRICAL ENERGY GENERATED(MWH)	71,120	681,585	92,485,867
19. UNIT SERVICE FACTOR	23.3	24.7	69.1
20. UNIT AVAILABILITY FACTOR	23.3	24.7	69.1
21. UNIT CAPACITY FACTOR (USING MDC NET)	11.5	22.7	67.1
22. UNIT CAPACITY FACTOR (USING DER NET)	11.3	22.3	65.5
23. UNIT FORCED OUTAGE RATE	41.9	27.7	8.9

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 5, 1994

**UNIT SHUTDOWNS AND POWER REDUCTIONS**

DOCKET NO. 50-317  
 UNIT NAME Calvert Cliffs-U1  
 DATE June 15, 1994  
 COMPLETED BY Frank Piazza  
 TELEPHONE (410) 260-3821

**REPORT MONTH May 1994**

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
94-02	940209	S	430.3	C	4	N/A	N/A	N/A	Unit shutdown for planned Refueling Outage.
94-03	940520	S	15.1	B	9	N/A	JJ	12	Unit removed from grid for Main Turbine over-speed trip test. During an attempt to parallel to the grid a ground was detected. The ground was due to electrical short on a bus. The problem was corrected and the unit was paralleled at 1700 on 5/20/94.
94-04	940526	F	16.5	B	5	N/A	TA	TRB	Power was reduced on 5/26/94 at 1615 to correct high vibrations in the #8 Main Turbine Bearing. Installation of a balance shot was completed at approximately 1057 on May 27, 1994.
94-05	940527	F	108.6	A	1	N/A	TA	TRB	During power escalation after balancing the #8 bearing, excessive temperature indications from the #7 Main Turbine Bearing was noted due to a bad bearing. The unit was manually shut down and remained off the grid to repair the #7 bearing. There was a loss of oil pressure from the bearing lift pump due to a missing oil plug in the oil manifold which caused the bearing to fail. The bearing was repaired and returned to service.

<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

\*\*\*\*\*

Docket No. 50-317  
 Calvert Cliffs Unit No. 1  
 June 15, 1994  
 Prepared by Frank Piazza  
 Telephone: (410) 260-3821

MAY 1994  
 \*\*\*\*\*

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	136
4	0	20	66
5	0	21	352
6	0	22	475
7	0	23	522
8	0	24	518
9	0	25	519
10	0	26	376
11	0	27	0
12	0	28	0
13	0	29	0
14	0	30	0
15	0	31	0
16	0		

DOCKET NO. 50-317  
CALVERT CLIFFS - UNIT 1  
June 15, 1994

## SUMMARY OF OPERATING EXPERIENCE

### May 1994

The unit began the month shutdown because of the continued refueling outage. The refueling outage ended May 18, 1994 when the unit was paralleled to the grid at 2215. The unit was removed from the grid on May 20, 1994 at 0150 for Main Turbine testing. After completion of the Main Turbine testing and during paralleling to the grid procedure, there was an electrical ground detected. The ground was corrected at 1600 on May 20, 1994. The unit was again paralleled to the grid on May 20, 1994 at 1700.

At 1856 on May 26, 1994 the unit was again removed from the grid to allow for installation of a balance shot in Main Bearing #8. During start-up procedures, Main Turbine Bearing #7 experienced high temperature and the unit was shutdown to repair the bearing.

The unit ended the month in a shut-down condition in mode 5.



\*\*\*\*\*

UNIT 2

OPERATING DATA REPORT

\*\*\*\*\*

Docket No. 50-318  
June 15, 1994  
Prepared by Frank Piazza  
Telephone:(410)260-3821

OPERATING STATUS

1. UNIT NAME	Calvert Cliffs Unit 2
2. REPORTING PERIOD	MAY 1994
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)	830
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	3,623	150,479
12. NUMBER OF HOURS REACTOR WAS CRITICAL	596.9	3,303.1	109,339.9
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1,296.6
14. HOURS GENERATOR ON LINE	595.2	3,298.2	107,821.8
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,495,495	8,724,505	275,590,048
17. GROSS ELECTRICAL ENERGY GEN'TED(MWH)	502,324	2,936,689	91,092,558
18. NET ELECTRICAL ENERGY GENERATED(MWH)	481,309	2,820,636	87,063,770
19. UNIT SERVICE FACTOR	80.0	91.0	71.7
20. UNIT AVAILABILITY FACTOR	80.0	91.0	71.7
21. UNIT CAPACITY FACTOR (USING MDC NET)	77.9	93.8	70.1
22. UNIT CAPACITY FACTOR (USING DER NET)	76.6	92.1	68.5
23. UNIT FORCED OUTAGE RATE	0.0	5.1	5.7

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:  
N/A

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.	50-318
UNIT NAME	Calvert Cliffs-U2
DATE	June 15, 1994
COMPLETED BY	Frank Piazza
TELEPHONE	(410) 260-3821

REPORT MONTH May 1994

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
94-03	940515	S	148.8	B	1	N/A	N/A	N/A	Unit shutdown for planned outage to complete Surveillance tests. The unit was returned to power on May 22 at 2217.
94-04	940523	F	0	B	5	N/A	SJ	P	Unit power was reduced for maintenance on 21 Steam Generator Feed Pump. The Steam Generator Feed Pump was experiencing speed oscillations caused by contaminated actuation/lube oil. The problem was corrected by disassembling and cleaning the actuator. A portable lube oil purifier was placed in the lube oil system to further clean the oil.

<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

\*\*\*\*\*

Docket No. 50-318  
 Calvert Cliffs Unit No. 2  
 June 15, 1994  
 Prepared by Frank Piazza  
 Telephone: (410) 260-3821

MAY 1994

\*\*\*\*\*

Day	Average Daily Power Level (MWe-Net)	Day	Average Daily Power Level (MWe-Net)
1	866	17	0
2	864	18	0
3	865	19	0
4	867	20	0
5	868	21	0
6	865	22	0
7	864	23	689
8	866	24	539
9	871	25	785
10	868	26	857
11	850	27	859
12	850	28	860
13	871	29	862
14	867	30	863
15	775	31	862
16	0		

DOCKET NO. 50-318  
CALVERT CLIFFS - UNIT 2  
June 15, 1994

## SUMMARY OF OPERATING EXPERIENCE

May 1994

The unit began the month at 100% Reactor power (850 MWe).

On May 15, 1994 commenced reducing Reactor power for a planned outage to complete Surveillance Test Procedures. The unit was removed from the grid on May 15, 1994 at 2130. After completion of the Surveillance Tests, the unit was started and paralleled to the grid on May 22, 1994 at 2217.

On May 23, 1994 reduced Reactor power to 65% to perform maintenance on 21 Steam Generator Feed pump. Following completion of the Steam Generator Feed Pump maintenance Reactor power was increased, reaching 100% power at 1340 on May 25, 1994.

The unit continued to operate the remainder of the month at 100% Reactor power.

REFUELING INFORMATION REQUEST

1. Name of facility: **Calvert Cliffs Nuclear Power Plant, Unit No. 2**
2. Scheduled date for next refueling shutdown: **February 18, 1995.**
3. Scheduled date for restart following refueling: **May 3, 1995.**
4. Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?  
**Unknown.**
5. Scheduled date(s) for submitting proposed licensing action and supporting information.  
**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) 217 (b) 1514 (Note 2)**  
**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)

NOTE 2: 72 Spent Fuel Assemblies in the ISFSI.