PETER E. KATZ
Plant General Manager
Calvert Cliffs Nuclear Power Plant

Baltimore Gas and Electric Company
Calvert Cliffs Nuclear Power Plant
1650 Calvert Cliffs Parkway
Lusby, Maryland 20657
410 495-4101

BGE

April 15, 1996

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 1996 Operating Data Reports

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) 495-3989.

Very truly yours,

Peter Katz

PEK/HOO/bjd

Attachments

cc: D. A. Brune, Esquire
J. E. Silberg, Esquire
L. B. Marsh, NRC
D. G. McDonald, Jr., NRC
T. T. Martin, NRC
Resident Inspector, NRC
R. A. Hartfield, NRC
R. I. McLean, DNR
J. H. Walter, PSC
P. Lewis, INPO
K. N. Larson, ANI

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UNIT 1

OPERATING DATA REPORT

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Docket No. 50-317
April 15, 1996
Prepared by Herman O. Olsen
Telephone.(410)495-6734

OPERATING STATUS

1.	UNIT NAME	Calvert Cliffs Unit 1
2.	REPORTING PERIOD	MARCH 1996
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)	865
7.	MAXIMUM DEPENDABLE CAP'Y (NET MWe)	835
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	183,205
12.	NUMBER OF HOURS REACTOR WAS CRITICAL	701.3	2,141.3	133,567.4
13.	REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	3,019.4
14.	HOURS GENERATOR ON LINE	699.6	2,139.6	130,863.3
15.	UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16.	GROSS THERMAL ENERGY GENERATED (MWH)	1,824,827	5,619,077	333,121,081
17.	GROSS ELECTRICAL ENERGY GEN'TED(MWH)	611,373	1,879,636	110,591,336
18.	NET ELECTRICAL ENERGY GENERATED(MWH)	585,229	1,802,618	105,327,111
19.	UNIT SERVICE FACTOR	94.0	98.0	71.4
20.	UNIT AVAILABILITY FACTOR	94.0	98.0	71.4
21.	UNIT CAPACITY FACTOR (USING MDC NET)	94.2	98.8	69.6
22.	UNIT CAPACITY FACTOR (USING DER NET)	93.1	97.7	68.0
23.	UNIT FORCED OUTAGE RATE	0.0	0.0	8.2

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:
05/12/96

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-317
UNIT NAME Calvert Cliffs-U1
DATE April 15, 1996
COMPLETED BY Herman O. Olsen
TELEPHONE (410) 495-6734

REPORT MONTH March 1996

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
96002	033096	S	44.4	C	1	N/A	N/A	N/A	On 03/29/96 a reduction in power was commenced in preparation for the scheduled refueling outage. The outage commenced on 03/30/96 at 0335 when the unit was removed from the grid.

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

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Docket No. 50-317
Calvert Cliffs Unit No. 1
April 15, 1996
Prepared by Herman O. Olsen
Telephone: (410) 495-6734

MARCH 1996

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Day	Average Daily Power Level (MWe-Net)	Day	Average Daily Power Level (MWe-Net)
1	856	17	852
2	856	18	848
3	858	19	844
4	859	20	841
5	860	21	838
6	861	22	833
7	862	23	829
8	862	24	824
9	862	25	802
10	861	26	798
11	859	27	778
12	859	28	774
13	861	29	762
14	862	30	23
15	861	31	-18
16	857		

REFUELING INFORMATION REQUEST

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

2. Scheduled date for next refueling shutdown: Unit shutdown for refueling March 30, 1996 *

3. Scheduled date for restart following refueling: May 12, 1996

4. Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?

   Yes.

   a. License amendment to allow installation of a new diesel generator.

   b. License amendment to reflect the new electrical distribution system configuration.

   c. An amendment and exemption to allow the use of four lead fuel assemblies with advanced cladding materials.

   d. License amendment to extend some instrument surveillances to allow a delayed start of the refueling outage.

   e. License amendment to extend the requirement to do an ILRT so that the test does not have to be performed this outage.

   f. License amendment to modify the MTC limits to account for additional steam generator tubes plugged.

   g. License amendment which would allow the sleeving of steam generator tubes as a repair method.

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

   a. October 2, 1995

   b. November 1, 1995

   c. July 13, 1995

   d. October 20, 1995

   e. January 16, 1996

   f. March 28, 1996 *

   g. November 30, 1995

6. Important licensing considerations associated with the refueling.

   Physical modifications required to bring Calvert Cliffs in compliance with the Station Blackout rule will be completed in the 1996 Unit 1 refueling outage.

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

(a) 217 **(b) 1434 (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 2007

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

NOTE 2: **240 Spent Fuel Assemblies in the ISFSI.**

* **Entry has changed since last reported.**

** **There are 88 Batch 1R new fuel assemblies on site. They will be stored in the Unit 1 Spent Fuel Pool prior to refueling.**

DOCKET NO. 50-317
CALVERT CLIFFS - UNIT 1
April 15, 1996

SUMMARY OF OPERATING EXPERIENCE

March 1996

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

On 03/29/96 at 2255 the unit commenced shutting down for a planned refueling outage. The unit was removed from tbe grid on 03/30/96 at 0335. The unit ended the month in mode 5 (cold shutdown) preparing to refuel the reactor.

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UNIT 2

OPERATING DATA REPORT

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Docket No. 50-318
April 15, 1996
Prepared by Herman O. Olsen
Telephone: (410)495-6734

OPERATING STATUS

1.	UNIT NAME	Calvert Cliffs Unit 2
2.	REPORTING PERIOD	MARCH 1996
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)	870
7.	MAXIMUM DEPENDABLE CAP'Y (NET MWe)	840
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	166,560
12.	NUMBER OF HOURS REACTOR WAS CRITICAL	672.2	2,057.3	123,300.1
13.	REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1,296.6
14.	HOURS GENERATOR ON LINE	644.1	2,029.2	121,602.6
15.	UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16.	GROSS THERMAL ENERGY GENERATED (MWH)	1,673,082	5,388,557	311,718,768
17.	GROSS ELECTRICAL ENERGY GEN'TED(MWH)	561,501	1,801,064	102,990,592
18.	NET ELECTRICAL ENERGY GENERATED(MWH)	537,316	1,726,495	98,455,939
19.	UNIT SERVICE FACTOR	86.6	92.9	73.0
20.	UNIT AVAILABILITY FACTOR	86.6	92.9	73.0
21.	UNIT CAPACITY FACTOR (USING MDC NET)	86.0	94.1	71.5
22.	UNIT CAPACITY FACTOR (USING DER NET)	85.5	93.6	70.0
23.	UNIT FORCED OUTAGE RATE	13.4	8.1	5.6

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 April 15, 1996
COMPLETED BY Herman O. Olsen
TELEPHONE (410) 495-6734

REPORT MONTH March 1996

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
96001	022796	F	99.9	G	4	318/96-001	N/A	N/A	The surface blow down line leak identified in the previous month was repaired on 03/01/96. The plant was heated up and a reactor startup was performed. The unit was paralleled to the grid on 03/05/96 at 0355. Power was returned to 100% on 03/06/96 at 1000.

[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

REFUELING INFORMATION REQUEST

1. Name of facility: Calvert Cliffs Nuclear Power Plant, Unit No. 2

2. Scheduled date for next refueling shutdown: March 14, 1997

3. Scheduled date for restart following refueling: April 23, 1997

4. Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?

   No.

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

   None.

6. Important licensing considerations associated with the refueling.

   None.

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

   (a) 217 **(b) 1434 (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 2007

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

NOTE 2: **240 Spent Fuel Assemblies in the ISFSI.**

****** **There are 88 Batch 1R new fuel assemblies on site. They will be stored in the Unit 1 Spent Fuel Pool prior to refueling.**

AVERAGE DAILY UNIT POWER LEVEL

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Docket No. 50-318
Calvert Cliffs Unit No. 2
April 15, 1996
Prepared by Herman O. Olsen
Telephone: (410) 495-6734

MARCH 1996

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Day	Average Daily Power Level (MWe-Net)	Day	Average Daily Power Level (MWe-Net)
1	-10	17	866
2	-12	18	866
3	-29	19	866
4	-32	20	866
5	128	21	866
6	754	22	865
7	860	23	859
8	861	24	859
9	863	25	863
10	863	26	863
11	864	27	863
12	865	28	863
13	865	29	863
14	865	30	861
15	866	31	863
16	866		

DOCKET NO. 50-318
CALVERT CLIFFS - UNIT 2
April 15, 1996

SUMMARY OF OPERATING EXPERIENCE

March 1996

The unit began the month in mode 5 cold shutdown. Repairs to the Steam Generator blowdown line were completed on 03/01/96 at 1800. A reactor plant heatup was commenced following the completion of a root cause analysis for the reactor trip. The reactor was taken critical on 03/03/96 at 2347. The unit was paralleled to the grid on 03/05/96 at 0355. Power was returned to 100% 03/06/96 at 1000.

The unit remained at 100% power for the remainder of the month.