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

1624



July 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 June 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 Kay

PEK/HOO/bjd

Attachments

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cc: D. A. Brune, Esquire
J. E. Silberg, Esquire
Director, Project Directorate I-1, NRC
A. W. Dromerick, NRC
T. T. Martin, NRC
Resident Inspector, NRC

2607180079 960630 PDR ADOCK 05000317 PDR 180010 R. A. Hartfield, NRC R. I. McLean, DNR J. H. Walter, PSC P. Lewis, INPO K. N. Larson, ANI UNIT 1

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OPERATING DATA REPORT

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

OPERATING STATUS

2. REPORTING PERIODJUNE 19963. LICENSED THERMAL POWER (MWT)27004. NAMEPLATE RATING (GROSS MWe)9185. DESIGN ELECTRICAL RATING (NET MWe)845	it 1
3. LICENSED THERMAL POWER (MWT)27004. NAMEPLATE RATING (GROSS MWe)9185. DESIGN ELECTRICAL RATING (NET MWe)845	
4. NAMEPLATE RATING (GROSS MWe) 918 5. DESIGN ELECTRICAL RATING (NET MWe) 845	
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. FOWER 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	720	4,367	185,388
12.	NUMBER OF HOURS REACTOR WAS CRITICAL	0.0	2,141.3	133,567.4
13.	REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	3,019.4
14.	HOURS GENERATOR ON LINE	0.0	2,139.6	130,863.3
15.	UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16.	GROSS THERMAL ENERGY GENERATED (MWH)	0	5,619,077	333,121,081
17.	GROSS ELECTRICAL ENERGY GEN'TED (MWH)	0	1,879,636	110,591,336
18.	NET ELECTRICAL ENERGY GENERATED (MWH)	(8,655)	1,787,448	105,311,941
19.	UNIT SERVICE FACTOR	0.0	49.0	70.6
20.	UNIT AVAILABILITY FACTOR	0.0	49.0	70.6
21.	UNIT CAPACITY FACTOR (USING MDC NET)	0.0	49.0	68.8
22.	UNIT CAPACITY FACTOR (USING DER NET)	0.0	48.4	67.2
23.	UNIT FORCED OUTAGE RATE	100.0	5.8	8.3
24.	SHUTDOWNS SCHEDULED OVER THE NEXT			
	SIX MONTHS (TYPE, DATE AND DURA	TION):		

N/A () Represents a negative value

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF START-UP: 07/15/96

UNIT SHUTDOWNS AND POWER REDUCTIONS

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

REPORT MONTH June 1996

			DURATION		METHOD OF SHUTTING DOWN	LICENSEE	SYSTEM	COMPONENT	CAUSE & CORRECTIVE
NO	DATE	TYPE ¹	(HOURS)	REASON ²	REACTOR ³	REPORT #	CODE ⁴	CODE ⁵	PREVENT RECURRENCE
96002	033096	S	588.3	С	4	N/A	N/A	N/A	The unit was shutdown for a planned Refueling Outage.
96003	062096	F	12.3	A	4	N/A	AB	BKR	12A Reactor Coolant Pump failed to start. Trouble shooting revealed a failed relay in the breaker. The relay was repaired and the pump was returned to service.
96004	062596	F	8.2	A	4	N/A	BQ	ISV	A threaded plug on the leakoff line installed on the Shutdown Cooling Return Isolation Valve (1MOV652) was leaking. The plug was permanently welded and the valve was returned to service.
96005	062696	F	111.2	A	4	N/A	AB	МО	11B Reactor Coolant Pump tripped when the phase differential relay trip actuated. The motor stator failed. Investigation into the cause of the failure is on going.
1 F S:	Forced 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						1	 Method: 1 - Manual 2 - Manual Se 3 - Automatic 4 - Continued 5 - Reduced I 9 - Other 	⁴ IEEE Standard 805-1984 cram. S Scram. J Load

AVERAGE DAILY UNIT POWER LEVEL

JUNE 1996

Day	Average Daily (MWe-Net)	Power Leve	l Day	Average Daily (MWe-Net)	Power Level
1	- 7		17	-7	
2	-7		18	-9	
3	-7		19	-9	
4	-7		20	- 9	~
5	- 8		21	-26	
6	- 8		22	-30	
7	-7		23	-30	
8	-7		24	-30	
9	-7		25	-16	
10	-9		26	-22	
11	- 7		27	-16	
12	- 7		28	- 9	
13	- 6		29	- 9	
14	- 7		30	- 9	
15	- 8				
16	- 7				

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
- Scheduled date for restart following refueling: July 15, 1996 *
- 4. Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?

Yes.

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

All licensing actions complete.

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) 1522 (Note 2)

Spent fuel pools are common to Units 1 and 2.

 (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

 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.

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

SUMMARY OF OPERATING EXPERIENCE

June 1996

The unit began the month in Mode 5, in a planned extension to the refueling outage.

On 06/20/96 at 1223 while performing a plant heatup, 12A Reactor Coolant Pump failed to start. Trouble shooting identified that a relay in the power supply breaker had failed. The power supply breaker was repaired and plant heatup resumed on 06/21/96 at 0040.

On 06/25/96 at 0040 a plug located on the Shutdown Cooling Return Isolation Valve (1MOV652) leakoff line was found to be leaking. The plant was cooled down and repairs were performed. The valve was returned to service at 0850.

While conducting a plant heatup on 06/26/96 11B Reactor Coolant Pump tripped at 0850 due to an actuation of the phase differential relay. Trouble shooting identified an internal short in the stator of the motor. The cause of the failure is still under investigation.

The unit entered Mode 5, cold shutdown on 06/27/96 at 1358 and remained cooled down through the end of the month.

UNIT 2

OPERATING DATA REPORT

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

OPERATING STATUS

1.	UNIT NAME	Calvert Cliffs Unit 2	
2.	REPORTING PERIOD	JUNE 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	

	이 그는 이 것은 것 같은 것 같은 것은 것 같이 같이 같이 없다.		Year-	Cumulative
	Т	his month	to-Date	e to Date
11.	HOURS IN REPORTING PERIOD	720	4 367	168 743
12.	NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	4.240.3	125.483.1
13.	REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1,296.6
14.	HOURS GENERATOR ON LINE	720.0	4,212.2	123,785.6
15.	UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16.	GROSS THERMAL ENERGY GENERATED (MWH)	1,921,219	11,234,062	317,564,273
17.	GROSS ELECTRICAL ENERGY GEN'TED (MWH)	632,642	3,740,210	104,929,738
18.	NET ELECTRICAL ENERGY GENERATED (MWH)	608,480	3,591,358	100,320,802
19.	UNIT SERVICE FACTOR	100.0	96.5	73.4
20.	UNIT AVAILABILITY FACTOR	100.0	96.5	73.4
21.	UNIT CAPACITY FACTOR (USING MDC NET)	100.6	97.9	71.9
22.	UNIT CAPACITY FACTOR (USING DER NET)	100.0	97.3	70.4
23.	UNIT FORCED OUTAGE RATE	0.0	4.1	5.5
24.	SHUTDOWNS SCHEDULED OVER THE NEXT			
	SIX MONTHS (TYPE, DATE AND DURATI	ON) :		

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. UNIT NAME DATE COMPLETED BY TELEPHONE

50-318 Calvert Cliffs-U2 . July 15, 1996 Herman O. Olsen (410) 495-6734

REPORT MONTH June 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
									There were no significant power reductions for this month.
1 F: S:	Forced Scheduled		2 Reaso A - Eo B - M C - Re D - Re E - Op F - Ad G - Op H - Ot	n: quipment Fail aintenance or efucling egulatory Res perator Train lministrative perational Er ther	lure Test striction ing & License E ror	xamination		Method: 1 - Manual 2 - Manual So 3 - Automatic 4 - Continued 5 - Reduced I 9 - Other	⁴ IEEE Standard 805-1984 cram. ⁵ IEEE Standard 803A-1983 .oad

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

JUNE 1996

Day	Average Daily (MWe-Net)	Power	Level	D	Avera ay	age Da: (MWe	ily Po -Net)	wer	Level	
1	858				17		846			
2	859				18	1	842			
3	858				19		842			
4	857				20	1	341	~		
5	856				21	1	337			
6	856				22		335			
7	857				23	1	333			
8	812				24		837			
9	834				25	1	840			
10	854				26	1	835			
11	849				27	ł	337			
12	850				28	1	839			
13	848				29	1	845			
14	848				30	8	846			
15	845									
16	844									

REFUELING INFORMATION REQUEST

- 1. Name of facility: Calvert Cliffs Nuclear Power Plant, Unit No. 2
- 2. Scheduled date for next refueling shutdown: March 28, 1997 *
- Scheduled date for restart following refueling: May 21, 1997 *
- 4. Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?

Yes.

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- License Amendment to adopt the requirements of Appendix J, Option B for Type B and C testing.
- b. License Amendment to allow the substitution of a blind flange for the outside purge valve pressure boundary in Modes 1-4.
- c. License Amendment to allow the use of a temporary closure in place of the equipment hatch in Modes 5 and 6.
- d. Deleted *
- e. License Amendment to clarify wording on shutdown cooling maintenance Technical Specification to allow purging during the maintenance.
- 5. Scheduled date(s) for submitting proposed licensing action and supporting information.
 - a. October 1996
 - b. July 1996
 - c. July 1996
 - d. Deleted *
 - e. July 1996

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) 1522 (Note 2)

Spent fuel pools are common to Units 1 and 2.

- (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

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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.

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

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SUMMARY OF OPERATING EXPERIENCE

June 1996

The unit began the month at 100% power.

On 06/08/96 at 0410 power was reduced to 94% to conduct Main Turbine Valve Testing and waterbox cleaning. Power was restored to 100% on 06/10/96 at 0000.

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