

OPERATING DATA REPORT

DOCKET NO. 50 - 318
 DATE 2/13/84
 COMPLETED BY Elaine Lotito
 TELEPHONE 301-787-5363

OPERATING STATUS

1. Unit Name: Calvert Cliffs # 2
2. Reporting Period: November , 1983
3. Licensed Thermal Power (MWt): 2700
4. Nameplate Rating (Gross MWe): 911
5. Design Electrical Rating (Net MWe): 845
6. Maximum Dependable Capacity (Gross MWe): 860
7. Maximum Dependable Capacity (Net MWe): 825
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons.

Notes Revision

9. Power Level To Which Restricted, If Any (Net MWe): _____
10. Reasons For Restrictions, If Any: _____

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	_____	_____	_____
12. Number Of Hours Reactor Was Critical	_____	_____	_____
13. Reactor Reserve Shutdown Hours	_____	_____	_____
14. Hours Generator On-Line	_____	_____	_____
15. Unit Reserve Shutdown Hours	_____	_____	_____
16. Gross Thermal Energy Generated (MWH)	_____	_____	_____
17. Gross Electrical Energy Generated (MWH)	_____	_____	_____
18. Net Electrical Energy Generated (MWH)	490,134	5,543,207	37,633,969
19. Unit Service Factor	_____	_____	_____
20. Unit Availability Factor	_____	_____	_____
21. Unit Capacity Factor (Using MDC Net)	_____	_____	_____
22. Unit Capacity Factor (Using DER Net)	_____	_____	_____
23. Unit Forced Outage Rate	_____	_____	_____
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	_____	_____	_____

25. If Shut Down At End Of Report Period, Estimated Date of Startup: _____
26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

Forecast JE 24 Achieved

B402220440 B40131
 PDR ADDCK 05000317
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(9/77)

OPERATING DATA REPORT

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 DATE 2/13/84
 COMPLETED BY Elaine Lotito
 TELEPHONE 301-787-5363

OPERATING STATUS

1. Unit Name: Calvert Cliffs # 2
2. Reporting Period: December, 1983
3. Licensed Thermal Power (MWt): 2700
4. Nameplate Rating (Gross MWe): 911
5. Design Electrical Rating (Net MWe): 845
6. Maximum Dependable Capacity (Gross MWe): 860
7. Maximum Dependable Capacity (Net MWe): 825
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons.

Notes Revision

9. Power Level To Which Restricted, If Any (Net MWe): _____
10. Reasons For Restrictions, If Any: _____

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	_____	_____	_____
12. Number Of Hours Reactor Was Critical	_____	_____	_____
13. Reactor Reserve Shutdown Hours	_____	_____	_____
14. Hours Generator On-Line	_____	_____	_____
15. Unit Reserve Shutdown Hours	_____	_____	_____
16. Gross Thermal Energy Generated (MWH)	_____	_____	_____
17. Gross Electrical Energy Generated (MWH)	_____	_____	_____
18. Net Electrical Energy Generated (MWH)	569,793	6,113,000	38,203,762
19. Unit Service Factor	_____	_____	_____
20. Unit Availability Factor	_____	_____	_____
21. Unit Capacity Factor (Using MDC Net)	_____	_____	_____
22. Unit Capacity Factor (Using DER Net)	_____	_____	_____
23. Unit Forced Outage Rate	_____	_____	_____
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	_____	_____	_____

25. If Shut Down At End Of Report Period, Estimated Date of Startup: _____

26. Units In Test Status (Prior to Commercial Operation):

Forecast

Achieved

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

OPERATING DATA REPORT

DOCKET NO. 50-317
 DATE 2-13-84
 COMPLETED BY ELAINE LOTITO
 TELEPHONE (301)787-5363

OPERATING STATUS *****

1. UNIT NAME : CALVERT CLIFFS NO. 1
2. REPORTING PERIOD * JANUARY 1984
3. LICENSED THERMAL POWER (MWT) * 2,700
4. NAMEPLATE RATING (GROSS MWE) * 918
5. DESIGN ELECTRICAL RATING (NET MWE) : 845
6. MAXIMUM DEPENDABLE CAPACITY GROSS MWE * 860
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE) * 825
8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7) SINCE LAST REPORT. GIVE REASONS *
9. POWER LEVEL TO WHICH RESTRICTED (NET MW) *
10. REASONS FOR RESTRICTIONS.

	MONTHLY *****	YR*TO*DATE *****	CUMULATIVE *****
11. HOURS IN REPORTING PERIOD	744.0	744.0	76573.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	726.5	726.5	60693.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1887.9
14. HOURS GENERATOR ON LINE	720.6	720.6	59466.5
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED(MWH)	1897999.	1897999.	146040294.
17. GROSS ELECTRICAL ENERGY GENERATED(MWH)	648747.	648747.	48076152.
18. NET ELECTRICAL ENERGY GENERATED(MWH)	622191.	622191.	45857156.
19. UNIT SERVICE FACTOR	96.9	96.9	77.7
20. UNIT AVAILABILITY FACTOR	96.9	96.9	77.7
21. UNIT CAPACITY FACTOR (USING MDC NET)	101.4	101.4	73.5
22. UNIT CAPACITY FACTOR (USING DER NET)	99.0	99.0	70.9
23. UNIT FORCED OUTAGE RATE	3.1	3.1	7.5
24. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE, AND DURATION) :			

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF START-UP :
26. UNIT IN TEST STATUS (PRIOR COMMERCIAL OPERATION)

INITIAL CRITICALITY	FORECAST	ACHIEVED
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

OPERATING DATA REPORT

DOCKET NO. 50-318
 DATE 2-13-84
 COMPLETED BY ELAINE LOTITO
 TELEPHONE (301)787-5363

OPERATING STATUS *****

1. UNIT NAME : CALVERT CLIFFS NO. 2
2. REPORTING PERIOD * JANUARY 1984
3. LICENSED THERMAL POWER (MWT) * 2,700
4. NAMEPLATE RATING (GROSS MWE) * 911
5. DESIGN ELECTRICAL RATING (NET MWE) : 845
6. MAXIMUM DEPENDABLE CAPACITY GROSS MWE * 860
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE) * 825
8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7) SINCE LAST REPORT. GIVE REASONS *
9. POWER LEVEL TO WHICH RESTRICTED (NET MW) *
10. REASONS FOR RESTRICTIONS.

	MONTHLY *****	YR*TO*DATE *****	CUMULATIVE *****
11. HOURS IN REPORTING PERIOD	744.0	744.0	59928.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	744.0	50671.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	957.8
14. HOURS GENERATOR ON LINE	744.0	744.0	49859.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED(MWH)	1990961.	1990961.	123832655.
17. GROSS ELECTRICAL ENERGY GENERATED(MWH)	657420.	657420.	40726706.
18. NET ELECTRICAL ENERGY GENERATED(MWH)	630090.	630090.	38833852.
19. UNIT SERVICE FACTOR	100.0	100.0	83.2
20. UNIT AVAILABILITY FACTOR	100.0	100.0	83.2
21. UNIT CAPACITY FACTOR (USING MDC NET)	102.7	102.7	79.1
22. UNIT CAPACITY FACTOR (USING DER NET)	100.2	100.2	76.7
23. UNIT FORCED OUTAGE RATE	0.0	0.0	5.8
24. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE, AND DURATION) :			

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

26. UNIT IN TEST STATUS (PRIOR COMMERCIAL OPERATION)

FORECAST

ACHIEVED

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 -317
 UNIT Calvert Cliffs # 1
 DATE 2/13/84
 COMPLETED BY Elaine Lotito
 TELEPHONE 301-787-3363

MONTH January, 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>884</u>
2	<u>886</u>
3	<u>885</u>
4	<u>886</u>
5	<u>886</u>
6	<u>886</u>
7	<u>885</u>
8	<u>887</u>
9	<u>887</u>
10	<u>887</u>
11	<u>886</u>
12	<u>888</u>
13	<u>888</u>
14	<u>812</u>
15	<u>885</u>
16	<u>886</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>885</u>
18	<u>882</u>
19	<u>883</u>
20	<u>882</u>
21	<u>781</u>
22	<u>858</u>
23	<u>884</u>
24	<u>882</u>
25	<u>880</u>
26	<u>881</u>
27	<u>506</u>
28	<u>225</u>
29	<u>646</u>
30	<u>877</u>
31	<u>879</u>

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 318

UNIT Calvert Cliffs # 2

DATE 2/13/84

COMPLETED BY Elaine Lotito

TELEPHONE 301-787-5363

MONTH January, 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>853</u>
2	<u>852</u>
3	<u>837</u>
4	<u>853</u>
5	<u>853</u>
6	<u>851</u>
7	<u>853</u>
8	<u>850</u>
9	<u>848</u>
10	<u>848</u>
11	<u>848</u>
12	<u>845</u>
13	<u>847</u>
14	<u>824</u>
15	<u>847</u>
16	<u>846</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>848</u>
18	<u>850</u>
19	<u>849</u>
20	<u>848</u>
21	<u>810</u>
22	<u>849</u>
23	<u>850</u>
24	<u>849</u>
25	<u>850</u>
26	<u>850</u>
27	<u>850</u>
28	<u>848</u>
29	<u>850</u>
30	<u>849</u>
31	<u>850</u>

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January, 1984

DOCKET NO. 50 - 317
 UNIT NAME Calvert Cliffs # 1
 DATE 2/13/84
 COMPLETED BY Elaine Lotito
 TELEPHONE 301-787-5363

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
84-01	840127	F	23.4	A	3		IA	INSTRU	Malfunction of the reactor protection trip system.

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-Continuation
 5-Load Reduction
 9-Other

⁴
 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

⁵
 Exhibit I - Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January 1984

DOCKET NO. 50 - 318
 UNIT NAME Calvert Cliffs # 2
 DATE 2/13/84
 COMPLETED BY Elaine Lotito
 TELEPHONE 301-787-5363

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
									<p>NOTE:</p> <p>No. 2 unit experienced load reduction at various loads due to Moisture Separator Reheater tube leaks.</p>

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-Continuation
 5-Load Reduction
 9-Other

⁴
 Exhibit G - Instructions
 for Preparation of Data
 Entry Sheets for Licensee
 Event Report (LER) File (NUREG-
 0161)

⁵
 Exhibit I - Same Source

(9/77)

February 3, 1984

REFUELING INFORMATION REQUEST

1. Name of Facility: Calvert Cliffs Nuclear Power Plant, Unit No. 1
2. Scheduled date for next Refueling Shutdown: March 23, 1985
3. Scheduled date for restart following refueling: May 26, 1985
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 changes will be such as to allow operation of the plant with a fresh reload batch and reshuffled core.

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

February 20, 1985

6. Important licensing considerations associated with the refueling.

Reload fuel will be similar to that reload fuel inserted into the previous cycle.

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

(a) 217

(b) 796

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) 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.

April, 1991

February 3, 1984

REFUELING INFORMATION REQUEST

1. Name of Facility: Calver⁺ Cliffs Nuclear Power Plant, Unit No. 2.
2. Scheduled date for next refueling shutdown: April 21, 1984.
3. Scheduled date for restart following refueling: June 10, 1984.
4. Will refueling or resumption of operation thereafter require a technical specification change or other licensed amendment?

Resumption of operation after refueling will require changes to Technical Specifications. The changes will be such as to allow operation of the plant with a fresh reload batch and reshuffled core.

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

March 3, 1984

6. Important licensing considerations associated with refueling.

Reload fuel will be similar to that reload fuel inserted in the previous cycle.

7. The number of fuel assemblies (a) in the core and (b) in the Spent Fuel Storage Pool.

(a) 217

(b) 796

Spent Fuel Pool is 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 required or is planned, in number of fuel assemblies.

(a) 1830

(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.

April, 1991

SUMMARY OF UNIT 1 OPERATING EXPERIENCE

JANUARY 1984

- 1/1 At the beginning of this reporting period, Unit 1 was operating at 877 MWe with the reactor at 100% power.
- 1/14 At 0205 load was reduced to 718 MWe to troubleshoot a suspected problem on circulating water pump exciters. Resumed full load operation (884 MWe) at 1800.
- 1/21 At 0450 load was reduced to 745 MWe to repair 12 heater drain tank normal level control valve.
- 1/22 Resumed full load operation (883 MWe) at 0545.
- 1/27 The reactor tripped at 1345 when all reactor trip breakers opened simultaneously without apparent cause.
- 1/28 At 0717 the reactor was brought critical and paralleled to the grid at 1313.
- 1/29 At 0025 return to full power was delayed when load was reduced to 564 MWe to repair an oil leak on 12 Steam Generator Feed Pump. Full load operation (876 MWe) was resumed at 2310.
- 1/31 At the end of this reporting period, Unit 1 was operating at 878 MWe with the reactor at 100% power.

SUMMARY OF UNIT 2 OPERATING EXPERIENCE

JANUARY 1984

- 1/1 At the beginning of this reporting period, Unit 2 was operating at 853 MWe with the reactor at 100% power.
- 1/3 At 0410 load was reduced to 815 MWe due to the Plant Computer being out-of-service. Resumed full load operation (847 MWe) at 1720.
- 1/14 At 0205 load was reduced to 747 MWe to conduct turbine control valve testing. Resumed full load operation (849 MWe) at 1205.
- 1/21 At 0600 Control Element Assembly (CEA) 28 dropped into the core. Reactor power was immediately reduced to less than 70% in accordance with Technical Specifications. CEA 28 was withdrawn at 0640. Full load operation (850 MWe) was resumed at 1300.
- 1/31 At the end of this reporting period, Unit 2 was operating at 847 MWe with the reactor at 100% power.



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

JOHN J. DREHOFF
MANAGER
Fossil Power Department

February 13, 1984

Director Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington, DC 20055

ATTEN : Document Control Desk

Gentlemen:

Enclosed herewith is the January 1984 - Operation Status Report for Calvert Cliffs No. 1 Unit, (Docket 50-317) and Calvert Cliffs No. 2 Unit, (Docket 50-318).

Sincerely,

E. M. Lotito
Performance Data Analyzer
Production Economy and Results Unit
Fossil Power Department

Enclosure

cc: Messrs: C. McCabe, Jr.
R. R. Mills
P. Ross
M. Beebe
D. Reilly
T. Magette
J. Tiernan

R. Architzel
L. Russell
P. Sierer, Jr.
C. Shoemaker
R. Ash
V. Stricklin
A. Lundvall

EML:fsd/eml

J.F.24
1/1