OPERATING DATA REPORT

DOCKET NO. 50.317
DATE 1-14-81
COMPLETED BY S. D. Merson
TELEPHONE 301-787-5364

OPERATING STATUS

1. Unit Name: Calvert Cliffs No. 1
2. Reporting Period: December 1980
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): 845
7. Maximum Dependable Capacity (Net MWe): 810

Notes

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

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	744.0	8,784	49,549
12. Number Of Hours Reactor Was Critical	76.0	6,497.1	38,936.7
13. Reactor Reserve Shutdown Hours	165.3	203.6	1,264.1
14. Hours Generator On-Line	0.0	6,350.7	38,052.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	0	15,229.803	90,566,792
17. Gross Electrical Energy Generated (MWH)	0	4,781,703	29,594,233
18. Net Electrical Energy Generated (MWH)	-6,625	4,533,957	28,183,163
19. Unit Service Factor	0.0	72.3	76.8
20. Unit Availability Factor	0.0	72.3	76.8
21. Unit Capacity Factor (Using MDC Net)	0.0	63.7	70.5
22. Unit Capacity Factor (Using DER Net)	0.0	1.1	67.3
23. Unit Forced Outage Rate	* 100.0	5.3	8.4

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: In Service : 5:10 a.m. 1/11/81

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

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

* A forced outage rate of 100% is not indicative of the true forced outage rate for December. The plant was on a planned outage for 576 hours and due to thrust bearing problems the status was changed to forced for 168 hours remaining in the month. A more realistic forced outage rate of 22.6% was calculated by using forced outage hours divided by period hours.

(9/77)

OPERATING DATA REPORT

DOCKET NO. 50-318
DATE 1-14-81
COMPLETED BY S. D. Merson
TELEPHONE 310-787-5364

OPERATING STATUS

1. Unit Name: Calvert Cliffs No. 2
2. Reporting Period: December 1980
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

Notes

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

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	744.0	8,784.0	32,904.0
12. Number Of Hours Reactor Was Critical	744.0	8,474.9	28,419.8
13. Reactor Reserve Shutdown Hours	0.0	28.7	441.8
14. Hours Generator On-Line	744.0	8,428.5	28,037.1
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,360,781	20,507,399	68,751,631
17. Gross Electrical Energy Generated (MWH)	449,869	6,723,744	22,728,967
18. Net Electrical Energy Generated (MWH)	424,023	6,412,954	21,669,974
19. Unit Service Factor	100.0	95.9	85.2
20. Unit Availability Factor	100.0	95.9	85.2
21. Unit Capacity Factor (Using MDC Net)	69.1	88.5	80.8
22. Unit Capacity Factor (Using DER Net)	67.4	86.4	77.9
23. Unit Forced Outage Rate	0.0	1.1	5.3

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
No. 2 Plant scheduled for a planned outage starting January 16, 1981, until March 16, 1981 for refueling, unit general inspection and TMI modifications. No. 2 Plant is presently in a coast down mode.
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		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-317
UNIT Calvert Cliffs No. 1
DATE 1-14-81
COMPLETED BY S. D. Merson
TELEPHONE 301-787-5364

MONTH December 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	-	17	-
2	-	18	-
3	-	19	-
4	-	20	-
5	-	21	-
6	-	22	-
7	-	23	-
8	-	24	-
9	-	25	-
10	-	26	-
11	-	27	-
12	-	28	-
13	-	29	-
14	-	30	-
15	-	31	-
16	-		

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.

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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-318
UNIT Calvert Cliffs No. 1
DATE January 14, 1981
COMPLETED BY S. D. Merson
TELEPHONE 301-787-5364

MONTH December 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	642	17	557
2	671	18	547
3	647	19	547
4	652	20	540
5	643	21	552
6	637	22	521
7	630	23	501
8	622	24	516
9	619	25	518
10	610	26	515
11	599	27	515
12	588	28	506
13	585	29	504
14	571	30	516
15	568	31	478
16	552		

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.

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December - 1980

DOCKET NO. 50-317
UNIT NAME Calvert Cliffs No.1
DATE 1-14-81
COMPLETED BY S. D. Merson
TELEPHONE 310-787-5364

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
80-11	801018	S	576.4	C	1		XX	ZZZZZZZZ	Refueling, unit general inspection and TMI modifications.
80-12	801225	F	167.6	A	9		XX	ZZZZZZZZ	Thrust bearing problems

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-Other (Explain)~~ Load Reductions
5- Continuation
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

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UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December - 1980

DOCKET NO. 50-318
UNIT NAME Calvert Cliffs No. 2
DATE 1-14-81
COMPLETED BY S. D. Merson
TELEPHONE 301-787-5364

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
									* Coast down mode for up coming refueling outage.

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-Other (Explain)

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)

REFUELING INFORMATION REQUEST

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

2. Scheduled date for next Refueling Shutdown: April 16, 1982

3. Scheduled date for restart following refueling: January 11, 1981*

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 26, 1982*

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) 456
   Spent Fuel Pools are common to Units 1 and 2

8. The present licensed spent fuel pool storage capacity and the size of any increase in licensed storage capacity that has been requested or is planned, in number of fuel assemblies.

   1358 Licensed
   1028 Currently Installed
   472 Licensed Addition is Planned

9. The projected date of the last refueling that can be discharged to the Spent Fuel Pool assuming the present licensed capacity.

   October, 1985

*Information changed since last report.

REFUELING INFORMATION REQUEST

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

2. Scheduled date for next refueling shutdown: January 16, 1981.*

3. Scheduled date for restart following refueling: February 26, 1981*

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.

   December 4, 1980

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) 456
   Spent Fuel Pool is common to Units 1 & 2.

8. The present licensed spent fuel pool storage capacity and the size of any increase in licensed storage capacity that has been required or is planned, in number of fuel assemblies.

   1358 Licensed
   1028 Currently Installed
   472 Licensed Addition is Planned

9. The projected date of the last refueling that can be discharged to the Spent Fuel Pool assuming the present licensed capacity.

   October, 1985

*Information changed since last report.

SUMMARY OF UNIT 1 OPERATING EXPERIENCE - DECEMBER 1980

12/1	At the beginning of this reporting period Unit 1 was shutdown for its 4th scheduled refueling outage.
12/12	Completed filling the Reactor Coolant System (RCS) at 0620.
12/21	The reactor was brought critical at 1900. Commenced low power physics testing.
12/22	The reactor was tripped in accordance with the low power physcs testing procedure at 2127.
12/23	The reactor was brought critical at 0105.
12/24	Commenced rolling the main turbine at 2355.
12/25	At 0023 the main turbine was tripped due to high temperature on the thrust bearing. At 0240 the reactor was shutdown while repairing the main turbine thrust runner.
12/27	The Reactor was place in cold shutdown at 0305.
12/31	At the end of this reporting period Unit 1 was shutdown for repair of the main turbine thrust runner.

SUMMARY OF UNIT 2 OPERATING EXPERIENCE - DECEMBER 1980

12/1 At the end of this reporting period Unit 2 was operating at 665 MWe with the reactor at 76% power, being limited by the power coastdown procedure in preparation for the third scheduled refueling outage. Load was increased to 735 MWe at 2200 per the power coastdown procedure (PSTP-10).

12/14 At 0330, Control Element Assembly (CEA) 38 dropped into the core. Reactor power was reduced to 60%. CEA 38 was withdrawn back to its group at 0410. Load was increased to 600 MWe per PSPT-10.

12/31 Decreased load to 520 MWe at 0800 per PSTP-10. At the end of this reporting period Unit 2 was operating at 520 MWe with the reactor at 57% power, being limited by the power coastdown procedure.