OPERATING DATA REPORT

DOCKET NO. 50-317
DATE 6/12/80
COMPLETED BY S.D.Merson
TELEPHONE 301-234-5240

OPERATING STATUS

1. Unit Name: Calvert Cliffs No. 1
2. Reporting Period: May, 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
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes

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	3,647	44,412
12. Number Of Hours Reactor Was Critical	636.1	3,083.0	35,522.6
13. Reactor Reserve Shutdown Hours	19.3	38.3	1,098.8
14. Hours Generator On-Line	629.6	3,013.6	34,715.6
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,648,361	6,795,778	82,132,767
17. Gross Electrical Energy Generated (MWH)	526,927	2,148,392	26,960,922
18. Net Electrical Energy Generated (MWH)	502,342	2,034,231	25,683,437
19. Unit Service Factor	84.6	82.6	78.2
20. Unit Availability Factor	84.6	82.6	78.2
21. Unit Capacity Factor (Using MDC Net)	83.4	68.9	71.4
22. Unit Capacity Factor (Using DER Net)	79.9	66.0	68.4
23. Unit Forced Outage Rate	15.4	6.0	8.8

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

No. 1 Plant scheduled for a planned outage starting 10/17/80 until 12/15/80 for refueling, unit general inspection and TMI Modifications.

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		

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-317
UNIT Calvert Cliffs #1
DATE 6/12/80
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MONTH May, 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	-	17	788
2	-	18	831
3	-	19	825
4	24	20	617
5	723	21	114
6	767	22	808
7	772	23	822
8	785	24	824
9	820	25	791
10	830	26	819
11	789	27	821
12	822	28	823
13	798	29	823
14	830	30	823
15	827	31	820
16	821		

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 May, 1980

DOCKET NO. 50-317
UNIT NAME Calvert Cliffs #1
DATE 6/12/80
COMPLETED BY S.D.Merson
TELEPHONE 301-234-5240

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
80-08	800430	F	91.2	A	4	LER 80-24/3L	CB	PUMPXX	Leak on #11B Reactor coolant pump control bleed-off line. Plant was already off for outage (80-07).
80-09	800520	F	23.2	A	1	LER 80-27/1T		HTETCH	Leak in the after-cooler on #12 instrument air compressor.

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

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6/6/80

REFUELING INFORMATION REQUEST

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

2. Scheduled date for next Refueling Shutdown: October 17, 1980

3. Scheduled date for restart following refueling: December 10, 1980

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.

   September 11, 1980

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) 364

   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.

   1056 Licensed
   728 Currently Installed
   774 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, 1983

SUMMARY OF UNIT 1 OPERATING EXPERIENCE - MAY 1980

5/1 At the beginning of this reporting period, Unit 1 was shutdown for repair of the Reactor Coolant System leak from 11B Reactor Coolant Pump control bleed off line.

5/3 Commenced Reactor Coolant System fill at 0250. At 1830, heatup of the Reactor Coolant System was begun.

5/4 The Reactor was brought critical at 1635 and the unit paralleled at 1910.

5/5 At 1020, load was limited to 765 MWe to investigate saltwater leakage into the main condenser.

5/8 After plugging 1 condenser tube load was increased to capacity (850 MWe) at 0030. At 1900 load was decreased to 805 MWe to investigate saltwater leakage into the main condenser.

5/9 Resumed full load operation (870 MWe) at 0945 after plugging one condenser tube.

5/11 Load was reduced to 710 MWe at 1445 to investigate saltwater leakage into the main condenser.

5/12 One condenser tube was plugged and load was increased to capacity (865 MWe) at 0300.

5/13 At 0900 decreased load to 780 MWe to investigate saltwater leakage into the main condenser.

5/17 At 1035 load was reduced to 750 MWe for Main Turbine Control Valve Testing. Resumed full load operation (860 MWe) at 1435.

5/20 The unit was manually tripped at 1803 when the service water system became airbound. The cause was a leak in the after-cooler on No. 12 Instrument Air Compressor.

5/21 The Reactor was brought critical at 1320 and the unit paralleled at 1714.

5/22 At 0500 full load operation (860 MWe) was resumed.

5/25 Load was decreased to 760 MWe at 1500 to investigate saltwater leakage into the main condenser. At 2230, after indications of leakage disappeared, load was increased to 860 MWe.

5/31 At the end of this reporting period, Unit 1 was operating at 860 MWe with the Reactor at 100% power.

SAFETY-RELATED MAINTENANCE

UNIT ONE

GROUP I&C

MONTH MAY YEAR 1980

SYSTEM OR COMPONENT	MR NO. - DATE	MALFUNCTION		CORRECTIVE ACTION
		CAUSE	RESULT	
Engineered Safety Features Actuation System/Channel 'AL' Containment Recirculation Signal	0-80-870 3-17-80	Defective isolation module in sensor channel ZE.	Test light would not reset.	Replaced the isolation module.
Reactor Protective System Channel 'A' Wide Range Nuclear Indication	IC-80-045 3-25-80	Defective power supply and pre-amplifier.	Channel 'A' Wide Range Nuclear Instrument would not calibrate.	Replaced the power supply and the preamplifier.
Reactor Protective System/Channel 'D' Containment Pressure	IC-80-038 2-26-80	Defective Signal Isolator 1-E/E-5313D	Containment Pressure Instrument out of tolerance.	Replaced the defective signal isolator 1-E/E-5313D
Engineered Safety Features Actuation System/1-SU-6529 1-SU-6531	0-80-808 3-11-80	Dirty terminals on relay XK45 in the BR Relay Cabinet.	1-SU-6529 and 1-SU-6531 would not function.	Cleaned the terminals on the Relay XK45.

SAFETY-RELATED MAINTENANCE

UNIT 1

GROUP Machine Shop

MONTH May YEAR 1980

SYSTEM OR COMPONENT	MR NO. - DATE	LER OR OUTAGE	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
1-ERV-402 Pressurizer Relief Valve	M-80-3026 2/12/80		Pilot and main valve seating surfaces were cut.	Seat leakage.	Pilot valve disc was replaced and lapped in. Main disc was lapped in.
1-ERV-404 Pressurizer Relief Valve	0-79-4412 2/12/80		Pilot and main valve seating surfaces were cut.	Excessive seat leakage.	Pilot and main valve discs were replaced and lapped in.