



**Consumers  
Power  
Company**

Palisades Nuclear Plant: Route 2, Box 154, Covert, Michigan 49043

August 3, 1978

U.S. Nuclear Regulatory Commission  
Mail and Records Section  
Washington, D.C., 20555

Re: LICENSE REPORT OF MONTHLY OPERATING DATA  
DPR-20, DOCKET NO. 50-255

Gentlemen:

Enclosed is a copy of the Monthly Operating Data, and a Summary of Operating Experience for the Palisades Nuclear Plant for the month of July 1978.

WE Adams,  
General Engineer

cc: JG Keppler, USNRC  
RB DeWitt  
DA Bixel  
GH Petitjean  
CV Waits  
DE VanFarowe, Div. of Radiological Health  
Lansing, Mich.  
AKozlowski, Mich. Dept. of Labor  
RC Allen, Mich. Public Serv. Comm., Lansing, MI.  
Document Control - (2) - 950-22.35.10

REGULATORY DOCKET FILE COPY

1978 AUG 8 AM 11 32  
RECEIVED DISTRIBUTION  
SERVICES UNIT  
U.S. NUCLEAR REGULATORY COMMISSION  
MAIL AND RECORDS SECTION  
WASHINGTON, D.C. 20555

A008  
5/11

# OPERATING DATA REPORT

DOCKET NO. 50-255  
 DATE 8-3-78  
 COMPLETED BY DIBollnow  
 TELEPHONE 616-764-8913

## OPERATING STATUS

1. Unit Name: Palisades
2. Reporting Period: 780701 to 780731
3. Licensed Thermal Power (MWt): 2530
4. Nameplate Rating (Gross MWe): 811.7
5. Design Electrical Rating (Net MWe): 805
6. Maximum Dependable Capacity (Gross MWe): \* 675
7. Maximum Dependable Capacity (Net MWe): \* 635
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	5,088	57,998
12. Number Of Hours Reactor Was Critical	657.3	2,337.5	31,736.9
13. Reactor Reserve Shutdown Hours			
14. Hours Generator On-Line	642.0	2,028.8	29,861.0
15. Unit Reserve Shutdown Hours			
16. Gross Thermal Energy Generated (MWH)	1,288,344	4,132,968	54,154,632
17. Gross Electrical Energy Generated (MWH)	381,740	1,224,620	16,811,230
18. Net Electrical Energy Generated (MWH)	356,012	1,140,588	15,753,955
19. Unit Service Factor	86.3%	39.9%	51.5%
20. Unit Availability Factor	86.3%	39.9%	51.5%
21. Unit Capacity Factor (Using MDC Net)	75.4%	35.3%	42.8%
22. Unit Capacity Factor (Using DER Net)	59.4%	27.9%	33.7%
23. Unit Forced Outage Rate	1.2%	15.8%	39.3%
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: 8-4-78

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

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

Forecast

Achieved

\* Based on Condenser Backpressure Limitations

(9/77)

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-255  
UNIT Palisades  
DATE 8-3-78  
COMPLETED BY DIBollnow  
TELEPHONE 616-764-8913

MONTH July 1978

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	-	17	615
2	-	18	594
3	-	19	559
4	272	20	554
5	595	21	560
6	583	22	561
7	517	23	578
8	-	24	584
9	365	25	580
10	252	26	558
11	616	27	568
12	616	28	609
13	566	29	604
14	601	30	619
15	602	31	502
16	606		

## 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 July 1978

DOCKET NO. 50-255  
 UNIT NAME Palisades  
 DATE 8-3-78  
 COMPLETED BY DIBollnow  
 TELEPHONE 616-764-8913

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
14	780628	S	74.3	B	1	N/A	-	-	Excessive Leakage From CRDM Seals
15	780708	S	17.6	B	3	N/A	-	-	Repairs to CRDM Cooling Fan
16	780709	F	7.8	A	3	N/A	-	-	Failure of Steam supply valve to SJAE resulted in loss of vacuum. Valve was repaired.
17	780731	S	2.3	B	3	N/A	-	-	Repairs to CRDM seals.

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)

CONSUMERS POWER COMPANY  
PALISADES NUCLEAR PLANT  
DOCKET 50-255

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH OF JULY 1978

GENERAL

During the month, the Plant generally operated between 80 and 90 percent of full power. The derate resulted primarily from turbine backpressure considerations. At the beginning of this month, the Plant was shutdown in continuation of a maintenance outage which had begun on June 28th.

SPECIFIC ITEMS OF INTEREST

- 7-4-78 Placed the unit on line after a 73.4 hour outage. During this outage, repairs were made to six CRDM's to reduce seal leakage, and CRDM No. 8, which had previously stuck (re: LER 78-016), was restored to an operable status.
- 7-8-78 The Plant came off line to make repairs to a CRDM cooling fan. This maintenance was performed with the Reactor in a hot shutdown condition. After completion of repairs and while raising Reactor power, a trip from low Steam Generator water level occurred. The outage lasted 17.6 hours.
- 7-9-78 Loss of steam to the air ejectors resulted in a loss of vacuum which led to a Reactor trip. The steam loss was caused by a failure in the pressure control valve which supplies steam to the air ejectors. Repairs were made to the valve and the Plant was returned to operation after a 7.8 hour outage.
- 7-31-78 The Plant was shutdown to permit repairs to be made to leaking CRDM's. While shutting down, a loss of electrical power to two primary coolant pumps resulted in a Reactor trip from low PCS flow. This outage, which was still in progress at the end of the month, contributed 2.3 hours of outage time to the month of July.