



Consumers
Power
Company

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

June 12, 1978

USNuclear 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 May 1978.

WEAdams
General Engineer,

cc: JGKeppler, USNRC
RBDeWitt
DABixel
GHPetitjean
CVWaits
DEVanFarowe, Div. of Radiological Health
Lansing, Mich.
AKozlowski, Mich. Dept. of Labor
RCallen, Mich. Public Serv. Comm., Lansing, MI
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OPERATING DATA REPORT

DOCKET NO. 50-255
 DATE 6-6-78
 COMPLETED BY DIBollnow
 TELEPHONE 616-764-8913

OPERATING STATUS

1. Unit Name: Palisades
2. Reporting Period: 780501 to 780531
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	<u>744</u>	<u>3,623</u>	<u>56,534</u>
12. Number Of Hours Reactor Was Critical	<u>509.8</u>	<u>1,063.1</u>	<u>30,462.5</u>
13. Reactor Reserve Shutdown Hours			
14. Hours Generator On-Line	<u>447.0</u>	<u>795.0</u>	<u>28,627.2</u>
15. Unit Reserve Shutdown Hours			
16. Gross Thermal Energy Generated (MWH)	<u>947,376</u>	<u>1,599,312</u>	<u>51,620,976</u>
17. Gross Electrical Energy Generated (MWH)	<u>287,250</u>	<u>480,060</u>	<u>16,066,670</u>
18. Net Electrical Energy Generated (MWH)	<u>268,670</u>	<u>446,718</u>	<u>15,060,085</u>
19. Unit Service Factor	<u>60.1%</u>	<u>21.9%</u>	<u>50.6%</u>
20. Unit Availability Factor	<u>60.1%</u>	<u>21.9%</u>	<u>50.6%</u>
21. Unit Capacity Factor (Using MDC Net)	<u>56.9%</u>	<u>19.4%</u>	<u>42.0%</u>
22. Unit Capacity Factor (Using DER Net)	<u>44.9%</u>	<u>15.3%</u>	<u>33.1%</u>
23. Unit Forced Outage Rate	<u>39.9%</u>	<u>29.3%</u>	<u>40.2%</u>
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

Achieved

* Based on Condenser Backpressure Limitations

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-255
 UNIT Palisades
 DATE 6-5-78
 COMPLETED BY DIBollnow
 TELEPHONE 616-764-8913

MONTH May 1978

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	424	17	711
2	-	18	710
3	-	19	702
4	-	20	308
5	-	21	624
6	-	22	533
7	-	23	-
8	-	24	425
9	-	25	629
10	-	26	569
11	-	27	604
12	128	28	597
13	461	29	601
14	593	30	599
15	660	31	616
16	698		

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 1978

DOCKET NO. 50-255
 UNIT NAME Palisades
 DATE 6-6-78
 COMPLETED BY DIBollnow
 TELEPHONE 616-764-8913

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
3	780501	F	239.4	B	1	None	RB	CRDRVE	See "Narrative Summary of Operating Experience" for May 1978
4	780511	F	15.7	A	3	None	HG	ZZZZZ	
5	780520	F	9.3	A	3	None	HB	VALVEX	
6	780522	F	12.5	A	3	None	HB	VALVEX	
7	780523	F	20.1	A	3	None	EB	CKTBRK	

1
 F: Forced
 S: Scheduled

2 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance of 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
JUNE 6, 1978

SUMMARY OF OPERATING EXPERIENCES FOR THE PERIOD MAY 1 THROUGH MAY 31, 1978

- 5-1-78 The unit was taken off line and the reactor brought to a cold shutdown in order to repair leaking CRDM seals.
- 5-11-78 The unit was brought on line ending an outage of 239.2 hours duration. During this outage, 8 leaking CRDMs were repaired. During the startup it was discovered that CRDM No. 8 could not be withdrawn by normal means.
- After determining that adequate shutdown margin would exist with the rod stuck in the fully withdrawn position, the rod was manually jacked out. (Refer to LER 78-016 for details.)
- 5-11-78 A reactor trip occurred because of low steam generator water level. This condition resulted from excessive differential pressure across the newly installed condensate polishing system.
- 5-12-78 The unit was placed on line after a 15.7 hour outage.
- 5-18-78 At the request of NRC, all irradiated fuel assemblies were removed from the new high-density fuel racks.
- 5-20-78 The reactor tripped from low steam generator water level. The low water level resulted from shrinkage caused by closure of one main steam isolation valve (MSIV). It is believed the MSIV closure was induced by steam flow across the valve disc. To prevent recurrence, modifications to the valve operation which would increase the opening force on the valve disc are being considered. After a 9.3 hour outage, the plant was returned to service.
- 5-22-78 Closure of both MSIVs resulted in a plant trip. Pending modifications, plant power is being held at approximately 90%. One MSIV was instrumented to permit monitoring of valve position, operating air pressure, and electrical power to the valve. The plant was returned to service after a 12.5 hour outage.
- 5-23-78 During the process of transferring station electrical loads from the startup power to station power transformer, the 1B bus failed to transfer. As a result, two primary coolant pumps were de-energized and the reactor tripped on a low PCS flow signal. The fault was traced to a time delay relay which was replaced. The plant was returned to service after a 20.1 hour outage.