

A CMS Energy Company

Palisades Nuclear Plant  
27780 Blue Star Memorial Highway  
Covert, MI 49043

October 5, 2000

US Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

**DOCKET 50-255 - LICENSE DPR-20 - PALISADES PLANT  
LICENSEE REPORT OF MONTHLY OPERATING DATA**

Enclosed is a copy of the Monthly Operating Data and Summary of Operating Experience for the Palisades Nuclear Plant for the month of September, 2000.

If you have any questions or concerns, please contact me at (616) 764-3179.

Sincerely,



R. S. Hawn  
Reactor Engineering Supervisor

CC: JMMilan, Palisades  
GABaustian, Palisades  
Senior Resident Inspector, Palisades  
LBrandon, MI Dept. of Env. Qual, Div of Rad Health Services, Lansing, MI  
BWJorgensen, Michigan Dept of Labor, Lansing, MI  
RDWhale, Michigan Public Service Commission  
Records Center, INPO, Atlanta, GA  
SMMcIntyre, P26-204  
Region III Administrator, USNRC  
Pal. Eng. Records Center, 950\*22\*35\*10/L  
Cycle 15 Reports (SFP 00\*22)

IE24

**AVERAGE DAILY UNIT POWER LEVEL**

DOCKET NO 50-255  
 UNIT Palisades  
 DATE 10/05/00  
 COMPLETED BY SFPierce  
 TELEPHONE (616)764-2239

MONTH September 2000

DAY      AVERAGE DAILY POWER LEVEL

(MWe Net)

1.	<u>767</u>
2.	<u>772</u>
3.	<u>775</u>
4.	<u>785</u>
5.	<u>723</u>
6.	<u>0</u>
7.	<u>0</u>
8.	<u>0</u>
9.	<u>0</u>
10.	<u>0</u>
11.	<u>0</u>
12.	<u>0</u>
13.	<u>0</u>
14.	<u>0</u>
15.	<u>0</u>
16.	<u>0</u>

DAY      AVERAGE DAILY POWER LEVEL

(MWe Net)

17.	<u>164</u>
18.	<u>686</u>
19.	<u>764</u>
20.	<u>769</u>
21.	<u>775</u>
22.	<u>780</u>
23.	<u>780</u>
24.	<u>789</u>
25.	<u>796</u>
26.	<u>792</u>
27.	<u>786</u>
28.	<u>791</u>
29.	<u>788</u>
30.	<u>785</u>
31.	<u>N/A</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.

### SUMMARY OF OPERATING EXPERIENCE FOR SEPTEMBER 2000

The Plant began the month of September at approximately 99% power. The plant was at 99% until 9/5/00 @ 2349 hrs when the plant was removed from service due to a problem with safeguards check valve CK-ES-3332. The Plant was placed back on line September 17 at 0242 hrs. Power was ramped to 99% by 1830 hrs on September 18. Power operation continued at the 99% power level or above for the remainder of the period. The plant ended the month at 99.9% power.

OPERATING DATA REPORT

DOCKET NO: 50-255  
 DATE: 10-5-00  
 COMPLETED BY: SFPierce  
 TELEPHONE (616) 764-2239  
 NOTES:

OPERATING STATUS:

- |  |               |
|--|---------------|
| 1. UNIT NAME                               | Palisades     |
| 2. REPORTING PERIOD:                       | 000901-000930 |
| 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) | 770 **        |
| 7. MAXIMUM DEPENDABLE CAPACITY (NET Mwe)   | 730 **        |
8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEM NUMBERS 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	720.0	6575.0	252326.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	464.3	5523.1	155833.6
13. REACTOR RESERVE SHUTDOWN HOURS	_____	_____	_____
14. HOURS GENERATOR ON-LINE	453.1	5464.4	150461.5
15. UNIT RESERVE SHUTDOWN HOURS	_____	_____	_____
16. GROSS THERMAL ENERGY GENERATED (MWH)	1088882	13109889	338075080
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	355322	4230955	107468477
18. NET ELECTRICAL ENERGY GENERATED (MWH)	337557	4018655	101608816
19. UNIT SERVICE FACTOR	62.9%	83.1%	59.6%
20. UNIT AVAILABILITY FACTOR	62.9%	83.1%	59.6%
21. UNIT CAPACITY FACTOR (USING MDC NET)	64.2%	83.7%	58.3% *
22. UNIT CAPACITY FACTOR (USING DER NET)	58.2%	75.9%	50.0%
23. UNIT FORCED OUTAGE RATE	37.1%	16.9%	25.1%

24. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH):

25. IF SHUTDOWN 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	_____	_____

\*\* Based on condenser backpressure

\* Weighted Average (635 MWe used as MDC Net prior to October 1985)

REPORT MONTH September 2000

DOCKET NO 50-255  
 UNIT Palisades  
 DATE 10/5/00  
 COMPLETED BY SFPierce  
 TELEPHONE 616-764-2239

UNIT SHUTDOWNS AND POWER REDUCTIONS

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
1	9/5/00	F	266.9	A	1	LER-00-004			Check Valve CK-ES-3332 internals problem. CK-ES-3332 is "A" train safety injection pumps mini-flow recirc check valve. Restored internals to operable condition. Condition was original plant construction fault

- |              |  |                   |                           |                         |
|--------------|--|-------------------|---------------------------|-------------------------|
| 1.           | 2.   | 3.                | 4.                        | 5.                      |
| F: Forced    | Reason:                                      | Method:           | Exhibit G - Instructions  | Exhibit I - Same Source |
| S: Scheduled | A-Equipment Failure (Explain)                | 1-Manual          | for Preparation of Data   |                         |
|              | B-Maintenance or Test                        | 2-Manual Scram    | Entry Sheets for Licensee |                         |
|              | C-Refueling                                  | 3-Automatic Scram | Event Report (LER) File   |                         |
|              | D-Regulatory Restriction                     | 4-Other (Explain) | (NUREG-0161)              |                         |
|              | E-Operator Training & License<br>Examination |                   |                           |                         |
|              | F-Administrative                             |                   |                           |                         |
|              | G-Operational Error (Explain)                |                   |                           |                         |
|              | H-Other (Explain)                            |                   |                           |                         |