

A CMS Energy Company

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

December 2, 1997

US Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555

**LICENSEE REPORT OF MONTHLY OPERATING DATA  
DPR-20, DOCKET NO 50-255**

Enclosed is a revised Monthly Operating Data and Summary of Operating Experience for the Palisades Nuclear Plant for the month of November 1997.

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

Sincerely,



R. S. Hawn  
Reactor Engineering Supervisor

CC: RAVincent, Palisades  
GABaustian, Palisades  
ALWilliams, Palisades  
KAToner, Palisades  
Senior Resident Inspector, Palisades  
DRHahn, Div of Rad Health Services, Lansing, MI  
BWJorgensen, Michigan Dept of Labor, Lansing, MI  
RWhale, Michigan Public Service Commission  
Records Center, INPO, Atlanta, GA  
CWMMain, Palisades  
SMMcIntyre, P26-204  
Region III Administrator, USNRC  
Document Control, 950\*22\*35\*10/L  
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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO 50-255  
 UNIT Palisades  
 DATE 12/02/97  
 COMPLETED BY KAKobiata  
 TELEPHONE (616)764-2572

MONTH November

| AVERAGE DAILY POWER LEVEL<br>(MWe Net) |            | DAY | AVERAGE DAILY POWER LEVEL<br>(MWe Net) |  |
|--|------------|-----|--|--|
| 1.                                     | <u>783</u> | 17. | <u>788</u>                             |  |
| 2.                                     | <u>786</u> | 18. | <u>787</u>                             |  |
| 3.                                     | <u>786</u> | 19. | <u>788</u>                             |  |
| 4.                                     | <u>786</u> | 20. | <u>787</u>                             |  |
| 5.                                     | <u>786</u> | 21. | <u>788</u>                             |  |
| 6.                                     | <u>783</u> | 22. | <u>788</u>                             |  |
| 7.                                     | <u>785</u> | 23. | <u>789</u>                             |  |
| 8.                                     | <u>786</u> | 24. | <u>788</u>                             |  |
| 9.                                     | <u>787</u> | 25. | <u>786</u>                             |  |
| 10.                                    | <u>782</u> | 26. | <u>782</u>                             |  |
| 11.                                    | <u>788</u> | 27. | <u>787</u>                             |  |
| 12.                                    | <u>787</u> | 28. | <u>785</u>                             |  |
| 13.                                    | <u>789</u> | 29. | <u>785</u>                             |  |
| 14.                                    | <u>788</u> | 30. | <u>786</u>                             |  |
| 15.                                    | <u>788</u> | 31. | <u>      </u>                          |  |
| 16.                                    | <u>787</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 NOVEMBER 1997

The Unit maintained 100 percent power the entire month.

REPORT MONTH NOVEMBER 1997

DOCKET NO 59-255  
 UNIT Palisades  
 DATE 12/02/97  
 COMPLETED BY KAKobiata  
 TELEPHONE 616-764-2572

UNIT SHUTDOWNS AND POWER REDUCTIONS

| No. | Date | Type <sup>1</sup> | Duration<br>(Hours) | Reason <sup>2</sup> | Method of<br>Shutting<br>Down Reactor <sup>3</sup> | Licensee<br>Event<br>Report # | System<br>Code <sup>4</sup> | Component<br>Code <sup>5</sup> | Cause & Corrective<br>Action to<br>Prevent Recurrence |
|-----|------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|---|
|-----|------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|---|

NONE

| 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 Restrictio                      | 4-Other (Explain) | (NUREG-0161)              |                         |
|              | E-Operator Training & License<br>Examination |                   |                           |                         |
|              | F-Administrative                             |                   |                           |                         |
|              | G-Operational Error (Explain)                |                   |                           |                         |
|              | H-Other (Explain)                            |                   |                           |                         |

OPERATING DATA REPORT

DOCKET NO 50-255  
 DATE 12-2-97  
 COMPLETED BY KAKobiata  
 TELEPHONE (616)764-2572

OPERATING STATUS:

1. UNIT NAME Palisades  
 2. REPORTING PERIOD: 971101-971130  
 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 CAPCITY RATINGS (ITEM NUMBERS 3 THROUGH 7AND 7) SINCE LAST REPORT,  
 GIVE REASONS:

NOTES:

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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      | 8016.0     | 227487.0    |
| 12. NUMBER OF HOURS REACTOR WAS CRITICAL   | 720.0      | 7128.4     | 135225.6    |
| 13. REACTOR RESERVE SHUTDOWN HOURS   | ----       | ----       | ----        |
| 14. HOURS GENERATOR ON-LINE  | 720.0      | 6971.8     | 130197.3    |
| 15. UNIT RESERVE SHUTDOWN HOURS  | ----       | ----       | ----        |
| 16. GROSS THERMAL ENERGY GENERATED (MWH)   | 1813952.6  | 17202019.6 | 288806018.1 |
| 17. GROSS ELECTRICAL ENERGY GENERATED (MWH)  | 594546     | 5488652    | 91555387    |
| 18. NET ELECTRICAL ENERGY GENERATED (MWH)  | 566128     | 5217002    | 86484762    |
| 19. UNIT SERVICE FACTOR  | 100.0%     | 87.0%      | 57.2%       |
| 20. UNIT AVAILABILITY FACTOR   | 100.0%     | 87.0%      | 57.2%       |
| 21. UNIT CAPACITY FACTOR (USING MDC NET)   | 107.7%     | 89.2%      | 55.6%*      |
| 22. UNIT CAPACITY FACTOR (USING DER NET)   | 97.7%      | 80.8%      | 47.2%       |
| 23. UNIT FORCED OUTAGE RATE  | 0.0%       | 13.0%      | 27.0%       |
| 24. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH):<br>Refueling Outage 4/25/98 39 days long |            |            |             |

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTU  
 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)