

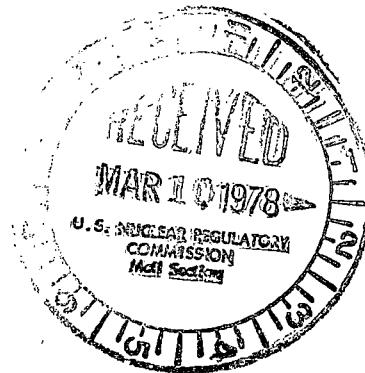
REGULATORY DOCKET FILE COPY



**Consumers  
Power  
Company**

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

March 6, 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 for the Palisades Nuclear Plant for the month of February 1978.

William E. Adams,  
General Engineer

cc: JGKeppler, NRC  
RBDeWitt  
DABixel  
CVWaits  
DEVan Farowe, Div. of Radiological Health  
Lansing, Mich.  
AKozlowski, Mich. Dept. of Labor  
RCallen, Mich. Public Service Comm., Lansing, Mich.  
Document Control - (2) 950-22.35.10

A003  
1/1

DOCKET NO. 50-255  
UNIT: Palisades  
DATE: 3-1-78  
MONTH: February 1978

SUMMARY OF OPERATING EXPERIENCE FOR PERIOD JANUARY 1, 1978  
THROUGH FEBRUARY 28, 1978

|         |  |
|---------|--|
| 1-1-78  | The Plant was on line, operating at 90% Reactor Power and generating 702 MWe.  |
| 1-6-78  | The Unit was taken off line and the reactor shutdown for a scheduled 84 day outage to permit refueling, performance of required surveillance, maintenance and modifications. |
| 1-6-78  | Completed testing of all 24 Main Steam Relief Valves. LER 78-002 provides details of test results.   |
| 1-23-78 | Completed repairs to Primary Coolant Pump P-50B seal.  |
| 1-30-78 | Completed reactor internals inspection.  |
| 2-6-78  | Completed removal of incores from reactor vessel.  |
| 2-14-78 | Completed Eddy-Current testing of Steam Generator tubes.   |
| 2-16-78 | Completed repairs to atmospheric steam dump valves.  |
| 2-21-78 | Completed removal of surveillance capsule No. A-240 from the reactor vessel.   |
| 2-24-78 | Completed sleeving work (including Eddy Current testing of sleeved tubes) in both Steam Generators.  |
| 2-27-78 | Completed refueling of the core.   |

# OPERATING DATA REPORT

DOCKET NO. 50-255  
 DATE 3-1-78  
 COMPLETED BY DIBollnow  
 TELEPHONE 616-764-8913

## OPERATING STATUS

1. Unit Name: Palisades Plant
2. Reporting Period: 2-1-78 to 2-28-78
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  | 672        | 1,416       | 54,327     |
| 12. Number Of Hours Reactor Was Critical                                       | 0          | 124.9       | 29,524.3   |
| 13. Reactor Reserve Shutdown Hours   | 0          |             |            |
| 14. Hours Generator On-Line  | 0          | 124.8       | 27,957.0   |
| 15. Unit Reserve Shutdown Hours  |            |             |            |
| 16. Gross Thermal Energy Generated (MWH)                                       | 0          | 270,336     | 50,292,000 |
| 17. Gross Electrical Energy Generated (MWH)                                    | 0          | 81,640      | 15,668.250 |
| 18. Net Electrical Energy Generated (MWH)                                      | 0          | 76,464      | 14,689,831 |
| 19. Unit Service Factor  | 0          | 8.8%        | 51.5%      |
| 20. Unit Availability Factor   | 0          | 8.8%        | 51.5%      |
| 21. Unit Capacity Factor (Using MDC Net)                                       | 0          | 8.5%        | 42.6%      |
| 22. Unit Capacity Factor (Using DER Net)                                       | 0          | 6.7%        | 33.6%      |
| 23. Unit Forced Outage Rate  | 0          | 0           | 40.4%      |
| 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: April 1, 1978
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 3-1-78  
 COMPLETED BY DIBollnow  
 TELEPHONE 616-764-8913

MONTH February 1978

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) |
|-----|--|
| 1   | 0                                      |
| 2   | 0                                      |
| 3   | 0                                      |
| 4   | 0                                      |
| 5   | 0                                      |
| 6   | 0                                      |
| 7   | 0                                      |
| 8   | 0                                      |
| 9   | 0                                      |
| 10  | 0                                      |
| 11  | 0                                      |
| 12  | 0                                      |
| 13  | 0                                      |
| 14  | 0                                      |
| 15  | 0                                      |
| 16  | 0                                      |

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) |
|-----|--|
| 17  | 0                                      |
| 18  | 0                                      |
| 19  | 0                                      |
| 20  | 0                                      |
| 21  | 0                                      |
| 22  | 0                                      |
| 23  | 0                                      |
| 24  | 0                                      |
| 25  | 0                                      |
| 26  | 0                                      |
| 27  | 0                                      |
| 28  | 0                                      |
| 29  | 0                                      |
| 30  | 0                                      |
| 31  | 0                                      |

## 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 February 1978

DOCKET NO. 50-255  
 UNIT NAME Palisades  
 DATE 3-1-78  
 COMPLETED BY DIBollnow  
 TELEPHONE 616-764-8913

| 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 |
|-----|--------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|---|
| 1   | 780106 | S                 | 1291.2              | C                   | 1  | None                          | -                           | -                              | Not Applicable  |

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 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)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

<sup>4</sup>  
 Exhibit G - Instructions  
 for Preparation of Data  
 Entry Sheets for Licensee  
 Event Report (LER) File (NUREG-  
 0161)

<sup>5</sup>  
 Exhibit I - Same Source

(9/77)

REFUELING INFORMATION REQUEST

1. Name of facility.

- Palisades Plant, Docket 50-255, License DPR-20.

2. Scheduled date for next refueling shutdown.

- Cycle 2 - May 1976 to January 1978.  
Outage - 1-6-78 to approximately 4-6-78
- Cycle 3 - April 1978 to approximately May 1979.  
Outage - Approximately 80 days.

3. Scheduled date for restart following refueling.

- See Item 2.

4. Will refueling or resumption of operation thereafter require a Technical Specifications change or other license amendment?

If answer is yes, what, in general, will these be?

If answer is no, has the reload fuel design and core configuration been reviewed by your Plant Safety Review Committee to determine whether any unreviewed safety questions are associated with the core reload (ref 10 CFR Section 50.59)?

If no such review has taken place, when is it scheduled?

- Cycle 3 Operation - Technical Specifications changes were required for steam generator operating allowances.

Reload fuel design was handled by a 10 CFR 50.59 review. Technical Specifications were not required.

- Cycle 4 Operation - Technical Specifications changes will likely be required for steam generator operating allowance.

5. Scheduled date(s) for submitting proposed licensing action and supporting information.

- Steam generator related Technical Specifications changes are submitted after steam generator inspection work is completed during each inspection outage.

Reload fuel design submittals will generally occur approximately 60 days prior to an outage, if required.

6. Important licensing considerations associated with refueling, eg, new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, new operating procedures.

- None are currently planned.

7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool.

- a. 204.
- b. 798.\*

\*Modifications of the spent fuel storage facility are currently in progress to expand the capacity from 276 to 798 assemblies. This project will be complete in 1978. Amendment No 29 dated 6-30-78 licenses the spent fuel storage facility to 798 assemblies.

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.

- See Item 7.

9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity.

- Approximately 1985.

### REFUELING INFORMATION REQUEST

1. Name of facility.

- Palisades Plant, Docket 50-255, License DPR-20.

2. Scheduled date for next refueling shutdown.

- Cycle 2 - May 1976 to January 1978.  
Outage - 1-6-78 to approximately 4-6-78
- Cycle 3 - April 1978 to approximately May 1979.  
Outage - Approximately 80 days.

3. Scheduled date for restart following refueling.

- See Item 2.

4. Will refueling or resumption of operation thereafter require a Technical Specifications change or other license amendment?

If answer is yes, what, in general, will these be?

If answer is no, has the reload fuel design and core configuration been reviewed by your Plant Safety Review Committee to determine whether any unreviewed safety questions are associated with the core reload (ref 10 CFR Section 50.59)?

If no such review has taken place, when is it scheduled?

- Cycle 3 Operation - Technical Specifications changes were required for steam generator operating allowances.

Reload fuel design was handled by a 10 CFR 50.59 review. Technical Specifications were not required.

- Cycle 4 Operation - Technical Specifications changes will likely be required for steam generator operating allowance.

5. Scheduled date(s) for submitting proposed licensing action and supporting information.

- Steam generator related Technical Specifications changes are submitted after steam generator inspection work is completed during each inspection outage.

Reload fuel design submittals will generally occur approximately 60 days prior to an outage, if required.



6. Important licensing considerations associated with refueling, eg, new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, new operating procedures.

- None are currently planned.

7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool.

- a. 204.
- b. 798.\*

\*Modifications of the spent fuel storage facility are currently in progress to expand the capacity from 276 to 798 assemblies. This project will be complete in 1978. Amendment No 29 dated 6-30-78 licenses the spent fuel storage facility to 798 assemblies.

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.

- See Item 7.

9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity.

- Approximately 1985.