



**Consumers  
Power  
Company**

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

April 1, 1977

USNuclear Regulatory Commission  
Mail and Records Section  
Washington, D.C., 20555

(Regulatory Report File)

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 March 1977.

William E. Adams  
General Engineer

CC: JGKeppler, NRC  
RBDeWitt  
RBSewell  
CVWaits  
DEVanFarowe, Div. of Radiological Health  
Lansing, Mich.  
Document Control



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## APPENDIX C

DOCKET NO. 50-255UNIT PalisadesDATE April 1, 1977COMPLETED BY DIBollnow

## AVERAGE DAILY UNIT POWER LEVEL

MONTH March 1977DAY AVERAGE DAILY POWER LEVEL  
(MWe-net)

1	669
2	676
3	669
4	666
5	673
6	674
7	679
8	663
9	667
10	668
11	656
12	663
13	665
14	667
15	666
16	672

DAY AVERAGE DAILY POWER LEVEL  
(MWe-net)

17	673
18	663
19	672
20	671
21	674
22	669
23	671
24	670
25	0
26	77
27	90
28	286
29	628
30	677
31	672

## DAILY UNIT POWER LEVEL FORM INSTRUCTIONS

On this form, list the average daily unit power level in MWe-net for each day in the reporting month. Compute to the nearest whole megawatt.

These figures will be used to plot a graph for each reporting month. Note that by using maximum dependable capacity for the net electrical rating of the unit, there may be occasions when the daily average power level exceeds the 100% line (or the restricted power level line). In such cases, the average daily unit power output sheet should be footnoted to explain the apparent anomaly.

# APPENDIX D

UNIT Palisades  
DATE April 1, 1977  
616-764-8913  
COMPLETED BY DIBollnow  
DOCKET NO. 50-255

## OPERATING STATUS

1. REPORTING PERIOD: 770301 THROUGH 770331  
HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL (MWth) 2200 MAX. DEPENDABLE CAPACITY (MWe-NET) 635
3. LOWEST POWER LEVEL TO WHICH SPECIFICALLY RESTRICTED (IF ANY) (MWe-NET): \_\_\_\_\_
4. REASONS FOR RESTRICTION (IF ANY): \_\_\_\_\_

	THIS REPORTING PERIOD	YR TO DATE	CUMULATIVE TO DATE
5. HOURS REACTOR WAS CRITICAL . . . . .	<u>704.4</u>	<u>2,106.4</u>	<u>23,377.3</u>
6. REACTOR RESERVE SHUTDOWN HOURS . . . . .	<u>695.2</u>	<u>2,087.8</u>	<u>21,912.0</u>
7. HOURS GENERATOR ON LINE . . . . .	<u>695.2</u>	<u>2,087.8</u>	<u>21,912.0</u>
8. UNIT RESERVE SHUTDOWN HOURS . . . . .	<u>695.2</u>	<u>2,087.8</u>	<u>21,912.0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH) . . . . .	<u>1,507,152</u>	<u>4,362,528</u>	<u>37,045,512</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH) . . . . .	<u>472,280</u>	<u>1,376,780</u>	<u>11,561,980</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH) . . . . .	<u>443,633</u>	<u>1,295,913</u>	<u>10,824,592</u>
12. REACTOR AVAILABILITY FACTOR (1) . . . . .	<u>94.7%</u>	<u>97.5%</u>	<u>50.8%</u>
13. UNIT AVAILABILITY FACTOR (2) . . . . .	<u>93.4%</u>	<u>96.7%</u>	<u>47.6%</u>
14. UNIT CAPACITY FACTOR (3) . . . . .	<u>93.9%</u>	<u>94.5%</u>	<u>37.8%</u>
15. UNIT FORCED OUTAGE RATE (4) . . . . .	<u>6.6%</u>	<u>3.3%</u>	<u>45.8%</u>
16. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE, AND DURATION OF EACH):			
17. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: _____			
18. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION) REPORT THE FOLLOWING:			

	DATE LAST FORECAST	DATE ACHIEVED
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICAL POWER GENERATION	_____	_____
COMMERCIAL OPERATION	_____	_____

- (1) REACTOR AVAILABILITY FACTOR =  $\frac{\text{HOURS REACTOR WAS CRITICAL}}{\text{HOURS IN REPORTING PERIOD}} \times 100$
- (2) UNIT AVAILABILITY FACTOR =  $\frac{\text{HOURS GENERATOR ON LINE}}{\text{HOURS IN REPORTING PERIOD}} \times 100$
- (3) UNIT CAPACITY FACTOR =  $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{MAX. DEPENDABLE CAPACITY (MWe-NET) X HOURS IN REPORTING PERIOD}}$
- (4) UNIT FORCED OUTAGE RATE =  $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON LINE + FORCED OUTAGE HOURS}} \times 100$

APPENDIX E  
UNIT SHUTDOWNS

DOCKET NO. 50-255

UNIT NAME Palisades

DATE April 1, 1977

COMPLETED BY DIBollnow

REPORT MONTH March

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
4	770325	F	35.6	A	3	Feedwater Pump Trip
5	770327	F	13.2	A	3	Feedwater Pump Trip
						<p>(1) REASON</p> <p>A-EQUIPMENT FAILURE (EXPLAIN)</p> <p>B- MAINT. OR TEST</p> <p>C- REFUELING</p> <p>D-REGULATORY RESTRICTION</p> <p>E- OPERATOR TRAINING AND LICENSE EXAMINATION</p> <p>F-ADMINISTRATIVE</p> <p>G-OPERATIONAL ERROR (EXPLAIN)</p> <p>H-OTHER (EXPLAIN)</p> <p>(2) METHOD</p> <p>1-MANUAL</p> <p>2-MANUAL SCRAM</p> <p>3-AUTOMATIC SCRAM</p>

SUMMARY:

The unit operated satisfactorily at a nominal 100% power with the exception of the outages noted above.

RECEIVED DOCUMENT  
PROCESSING UNIT

1977 APR 6 PM 1 43