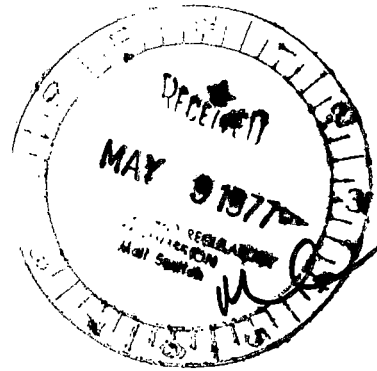




Consumers  
Power  
Company

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

May 1, 1977



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

Re: LICENSE REPORT OF MONTHLY OPERATING DATA  
DPR-20, Docket No. 50-255

Regulatory

File Cy

Gentlemen:

Enclosed is a copy of the Monthly Operating Data for the Palisades Nuclear Plant for the month of April 1977.

William E. Adams  
General Engineer

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

DOCKET NO. 50-255UNIT PalisadesDATE 5-2-77COMPLETED BY DIBollnow

## AVERAGE DAILY UNIT POWER LEVEL

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

1	675
2	668
3	672
4	673
5	655
6	317
7	6
8	217
9	631
10	650
11	636
12	643
13	648
14	655
15	654
16	652

DAY AVERAGE DAILY POWER LEVEL  
(MWe-net)

17	643
18	638
19	610
20	639
21	636
22	652
23	661
24	631
25	659
26	663
27	659
28	661
29	664
30	666
31	

## 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 5-2-77  
616-764-8913  
 COMPLETED BY DIBollnow  
 DOCKET NO. 50-255

## OPERATING STATUS

1. REPORTING PERIOD: 770401 THROUGH 770430  
 HOURS IN REPORTING PERIOD: 719\*
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>719</u>	<u>2,825.4</u>	<u>24,096.3</u>
6. REACTOR RESERVE SHUTDOWN HOURS . . . . .			
7. HOURS GENERATOR ON LINE . . . . .	<u>697.7</u>	<u>2,785.5</u>	<u>22,609.7</u>
8. UNIT RESERVE SHUTDOWN HOURS . . . . .			
9. GROSS THERMAL ENERGY GENERATED (MWH) . . . . .	<u>1,454,856</u>	<u>5,817,384</u>	<u>38,500,368</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH) . . . . .	<u>462,850</u>	<u>1,839,630</u>	<u>12,024,830</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH) . . . . .	<u>435,235</u>	<u>1,731,148</u>	<u>11,259,827</u>
12. REACTOR AVAILABILITY FACTOR (1) . . . . .	<u>100%</u>	<u>98.1%</u>	<u>51.6%</u>
13. UNIT AVAILABILITY FACTOR (2) . . . . .	<u>97.0%</u>	<u>96.8%</u>	<u>48.4%</u>
14. UNIT CAPACITY FACTOR (3) . . . . .	<u>95.3%</u>	<u>94.7%</u>	<u>38.7%</u>
15. UNIT FORCED OUTAGE RATE (4) . . . . .	<u>2.9%</u>	<u>3.2%</u>	<u>45.1%</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:

* Time change to D.S.T. resulted in 1 less hour for April.	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 =  $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{MAX. DEPENDABLE CAPACITY (MWe-NET)} \times \text{HOURS IN REPORTING PERIOD}}$
- (4) UNIT FORCED OUTAGE RATE =  $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON LINE} + \text{FORCED OUTAGE HOURS}} \times 100$

APPENDIX E  
UNIT SHUTDOWNS

DOCKET NO. 50-255

UNIT NAME Palisades

DATE 5-2-77

COMPLETED BY DIBollnow

REPORT MONTH April 1977

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
6	770407	F.	21.3	A	Remained Critical	<p>To repair the drain valve from a high pressure feedwater heater. As it turned out, the valve was operating properly and the high water level indication was caused by a tube leak. This feedwater heater was bypassed before returning to service.</p> <div> <div> (1) REASON  A-EQUIPMENT FAILURE (EXPLAIN)  B- MAINT. OR TEST  C- REFUELING  D-REGULATORY RESTRICTION  E- OPERATOR TRAINING AND        LICENSE EXAMINATION  F-ADMINISTRATIVE  G-OPERATIONAL ERROR        (EXPLAIN)  H-OTHER (EXPLAIN) </div> <div> (2) METHOD  1-MANUAL  2-MANUAL        SCRAM  3-AUTOMATIC        SCRAM </div> </div>

SUMMARY: Except for the above short outage, the plant operated at a nominal 100% power level throughout the month.

116E-1

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PROCESSING UNIT

1977 MAY 6 PM 2 16