

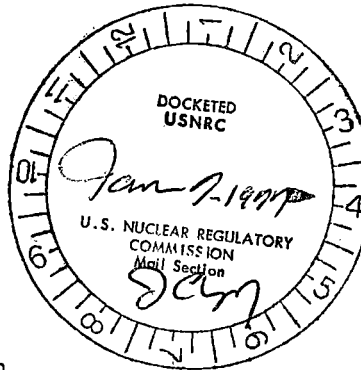
Regulatory Docket File



**Consumers
Power
Company**

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

January 3, 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

Gentlemen:

Enclosed is a copy of the Monthly Operating Data for the Palisades Nuclear Plant for the month of December 1976.

William E. Adams,
General Engineer

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

APPENDIX D

UNIT Palisades
 DATE January 3, 1977
616-764-8913
 COMPLETED BY DIBollnow
 DOCKET NO. 50-255

OPERATING STATUS

1. REPORTING PERIOD: 761201 THROUGH 761231
 HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL (MWth) 2200 MAX. DEPENDABLE CAPACITY (MWe-NET) 684
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>729.4</u>	<u>5,183.9</u>	<u>21,270.9</u>
6. REACTOR RESERVE SHUTDOWN HOURS			
7. HOURS GENERATOR ON LINE	<u>711.8</u>	<u>4,850.4</u>	<u>19,824.2</u>
8. UNIT RESERVE SHUTDOWN HOURS			
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>1,531,608</u>	<u>9,663,024</u>	<u>32,682,984</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>491,480</u>	<u>3,038,550</u>	<u>10,185,200</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>464,343</u>	<u>2,847,033</u>	<u>9,528,679</u>
12. REACTOR AVAILABILITY FACTOR (1)	<u>98.0%</u>	<u>59.0%</u>	<u>48.5%</u>
13. UNIT AVAILABILITY FACTOR (2)	<u>95.7%</u>	<u>55.2%</u>	<u>45.2%</u>
14. UNIT CAPACITY FACTOR (3)	<u>91.2%</u>	<u>47.4%</u>	<u>34.9%</u>
15. UNIT FORCED OUTAGE RATE (4)	<u>4.3%</u>	<u>14.2%</u>	<u>48.2%</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 = $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{MAX. DEPENDABLE CAPACITY (MWe-NET)} \times \text{HOURS IN REPORTING PERIOD}}$
- (4) UNIT FORCED OUTAGE RATE = $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON LINE} + \text{FORCED OUTAGE HOURS}} \times 100$

DOCKET NO. 50-255UNIT PalisadesDATE Jan. 3, 1977COMPLETED BY DIBollnow

AVERAGE DAILY UNIT POWER LEVEL

MONTH December 1976DAY AVERAGE DAILY POWER LEVEL
 (MWe-net)

1	326
2	0
3	399
4	686
5	654
6	667
7	655
8	663
9	652
10	672
11	652
12	662
13	663
14	669
15	676
16	673

DAY AVERAGE DAILY POWER LEVEL
 (MWe-net)

17	666
18	673
19	670
20	663
21	661
22	664
23	661
24	656
25	672
26	666
27	667
28	669
29	663
30	666
31	662

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 E
UNIT SHUTDOWNS

DOCKET NO. 50-255

UNIT NAME Palisades

DATE January 3, 1977

COMPLETED BY DIBollnow

REPORT MONTH December 1976

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
18	761201	F	32.2	A	3	Unit tripped due to loss of load caused by a malfunction of the generator voltage regulator.
<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:

Plant operated at a nominal 100% power throughout the month.