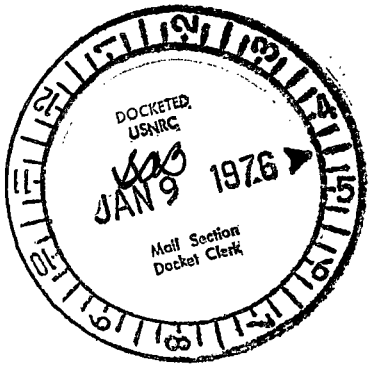
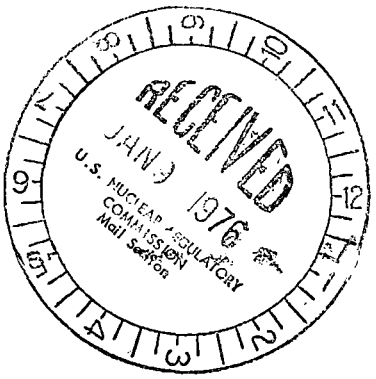
Regulatory File Cy.

Consumers Power Company

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

January 7, 1976





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

RE: LICENSE REPORTS 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 1975.

Howard R. Vernick

Howard R. Vernick
Associate Engineer

CC: JGKeppler, NRC
RBDeWitt
RBSewell

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APPENDIX D

UNIT Palisades Plant

DATE 1/7/75

COMPLETED BY H. R. Vernick

DOCKET NO. 50/255

OPERATING STATUS

1. REPORTING PERIOD: 751201 THROUGH 751231
   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): 630
4. REASONS FOR RESTRICTION (IF ANY):

		THIS REPORTING PERIOD	YR TO DATE	CUMULATIVE TO DATE
5.	HOURS REACTOR WAS CRITICAL	463.6	5,850.1	16,087
6.	REACTOR RESERVE SHUTDOWN HOURS	0	0	0
7.	HOURS GENERATOR ON LINE	463.6	5,652.7	14,973.8
8.	UNIT RESERVE SHUTDOWN HOURS	0	0	0
9.	GROSS THERMAL ENERGY GENERATED (MWH)	537,672	8,906,400	23,019,960
10.	GROSS ELECTRICAL ENERGY GENERATED (MWH)	154,850	2,642,400	7,146,650
11.	NET ELECTRICAL ENERGY GENERATED (MWH)	138,558	2,427,933	6,681,638
12.	REACTOR AVAILABILITY FACTOR (1)	62.3%	66.8%	45.9%
13.	UNIT AVAILABILITY FACTOR (2)	62.3%	64.5%	42.7%
14.	UNIT CAPACITY FACTOR (3)	27.2%	40.5%	27.9%
15.	UNIT FORCED OUTAGE RATE (4)	0%	32.6%	54.1%

16. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE, AND DURATION OF EACH):
    Refueling, 12/20/75, 3 months
17. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: 3/29/76
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 = $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON LINE + FORCED OUTAGE HOURS}} \times 100$

Plant Statistics for Month of: December 1975

	Month	Year to Date	Total to Date
Net Plant Output, Mwhe	138,558	2,427,933	6,881,638
Gross Generation, Mwhe	154,850	2,642,400	7,146,650
Station Power, Mwhe -			
- On Days Generating	16,292	214,467	465,012
- On Days Not Generating	1,014	20,492	113,902
Reactor Heat Produced, Mwht	537,672	8,906,400	23,019,960
Hours Critical	463.6	5,850.1	16,087
Hours Generating	463.6	5,652.7	14,973.8
Capacity Factor	27.2%	40.5%	27.9%
Station Power, % of Gross (Days Generating)	10.5%	8.1%	6.5%
Core Ave. Burnup, Mwd/MTU			11,347.3*
Batch A Ave. Burnup, Mwd/MTU			11,102.9
Batch A Lead Bundles, Mwd/MTU (A-25, A-14, A-13, A-22, A-44, A-55, A-56, A-47)			11,716.64
Batch B Ave. Burnup, Mwd/MTU			13,093.5
Batch B Lead Bundles, Mwd/MTU (B-20, B-17, B-49, B-52)			14,194.6
Batch C Ave. Burnup, Mwd/MTU			9,788.7
Batch C Lead Bundles, Mwd/MTU (C-10, C-03, C-02, C-09, C-11, C-18, C-19, C-12)			12,900.0

Dates on Line: 1 thru 20 inclusive except plant shutdown at 0738 hours on 12/20 for scheduled outage.

Availability (%)	Month	Year to Date
Plant	62.3	64.5
Reactor	62.3	66.8

*This number represents the core average burnups calculated by INCA. The corresponding core average burnup calculated from thermal considerations is 11,430.1.

APPENDIX C

DOCKET NO. 50-255
UNIT Palisades Plant
DATE 1/7/76
COMPLETED BY H. R. Vernick

AVERAGE DAILY UNIT POWER LEVEL

MONTH December 1975

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	484	17	480
2	268	18	471
3	241	19	437
4	241	20	10
5	235	21	---
6	237	22	---
7	237	23	---
8	240	24	---
9	237	25	---
10	235	26	---
11	250	27	---
12	259	28	---
13	261	29	---
14	266	30	---
15	264	31	---
16	421		

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 Plant

DATE 1/7/76

COMPLETED BY H. R. Vernick

REPORT MONTH December 1975

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
10	751220	S	280.4	C	3	While coming down in power for the scheduled outage, there was a Reactor Protective System flow trip.

(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)

(2) METHOD
1-MANUAL
2-MANUAL SCRAM
3-AUTOMATIC SCRAM

SUMMARY: The unit operated at 45% this month until December 16, 1975 when power was increased to 80%. Load remained at 80% until the unit came off the line for a scheduled refueling on December 20, 1975.

1.16-E-1