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MICHIGAN'S PROGRESS**

Palisades Nuclear Plant: 27780 Blue Star Memorial Highway, Covert, MI 49043

October 4, 1989

US Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555

LICENSEE REPORT OF MONTHLY OPERATING DATA  
DPR-20, DOCKET NO 50-255

Enclosed is a copy of the Monthly Operating Data and a Summary of Operating Experience for the Palisades Nuclear Plant for the month of September, 1989.

*George Goralski*

George Goralski  
Reactor Engineer

CC: DPHoffman, P26-117B  
KMHaas, Palisades  
ABDavis, USNRC  
KWBerry/RRFrisch, P24-614B  
CSKozup, Palisades  
Resident Inspector, Palisades  
DLHackett, P11-420B  
DRHahn, Div of Rad Health Services, Lansing, MI  
SLHall, Michigan Dept of Labor, Lansing, MI  
RCallen, Michigan Public Service Commission  
Records Center, INPO, Atlanta, GA  
RWTaylor, CE, Palisades  
AAAlatalo, Palisades  
LLBumb, P21-135  
GBSzczołka, P-21-135A  
HRSnider, P-21-129  
Administrator, USNRC  
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OPERATING DATA REPORT

DOCKET NO 50-255  
 DATE 10/04/89  
 COMPLETED BY MG Mlynarek  
 TELEPHONE (616)764-8913

OPERATING STATUS

NOTES

1. Unit Name: Palisades
2. Reporting Period: 890901-890931
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): \*\*770
7. Maximum Dependable Capacity (Net MWe): \*\*730
8. If Changes Occur in Capacity Ratings (Items Number 3 through 7) since last report, give reasons: \_\_\_\_\_
9. Power Level to Which Restricted, if any (Net MWe): 623 (80%)
10. Reasons for Restrictions, if any: 80% power limitation implemented based upon administrative guidelines with intent to improve steam generator reliability (not based upon regulatory requirements).

	This Month	Yr-to-Date	Cumulative
11. Hours In Reporting Period	720.0	6,551.0	155,894.0
12. Number of Hours Reactor Was Critical	720.0	5,779.5	84,786.9
13. Reactor Reserve Shutdown Hours	-	-	-
14. Hours Generator On-Line	720.0	5,754.2	80,876.9
15. Unit Reserve Shutdown Hours	-	-	-
16. Gross Thermal Energy Generated (MWH)	1,453,344	11,561,664	170,112,669
17. Gross Electrical Energy Generated (MWH)	467,370	3,716,620	53,261,105
18. Net Electrical Energy Generated (MWH)	438,605	3,486,110	50,138,359
19. Unit Service Factor	100.0	87.8	51.9
20. Unit Availability Factor	100.0	87.8	51.9
21. Unit Capacity Factor (Using MDC Net)	83.4	72.9	*49.1
22. Unit Capacity Factor (Using DER Net)	75.7	66.1	40.0
23. Unit Forced Outage Rate	0.0	12.2	33.9
24. Shutdowns Scheduled Over Next Six Months (Type, Date and Duration of Each): <u>52 day scheduled maintenance outage for steam generator repair to start October 1, 1989.</u>			

25. If Shut Down at End of Report Period, Estimated Date of Start Up: \_\_\_\_\_
26. Units in Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

\*\*Based on condenser backpressure

\*Weighted Average (635 MWe used as MDC Net prior to October 1985)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO 50-255  
 UNIT Palisades  
 DATE 10-04-89  
 COMPLETED BY MG Mlynarek  
 TELEPHONE (616)764-8913

MONTH SEPTEMBER 1989

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>601</u>	17	<u>617</u>
2	<u>612</u>	18	<u>615</u>
3	<u>615</u>	19	<u>614</u>
4	<u>611</u>	20	<u>612</u>
5	<u>603</u>	21	<u>611</u>
6	<u>598</u>	22	<u>609</u>
7	<u>600</u>	23	<u>619</u>
8	<u>596</u>	24	<u>621</u>
9	<u>600</u>	25	<u>617</u>
10	<u>607</u>	26	<u>617</u>
11	<u>611</u>	27	<u>620</u>
12	<u>616</u>	28	<u>617</u>
13	<u>617</u>	29	<u>615</u>
14	<u>619</u>	30	<u>497</u>
15	<u>643</u>		
16	<u>624</u>		

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.

SUMMARY OF OPERATING EXPERIENCE FOR SEPTEMBER, 1989

Palisades began the month of September with reactor power being maintained at a nominal 80%. Reactor power was then increased to 82.5% on September 14 at 2230 hours per an NRC approved power escalation plan. Due to a primary to secondary leakrate in excess of the power escalation plan limit, a return to 80% power commenced on September 16 at 0700 hours. Leakrate levels were reestablished to pre-escalation values, and reactor power was maintained at 80% through September 29. In preparation for a fifty-two day scheduled maintenance outage, a planned power decrease was initiated on September 30 at 1320 hours with reactor power being decreased to 16% by the end of the day.