

**OPERATING DATA REPORT**

DOCKET NO. 50-298  
 DATE December 2, 1981  
 COMPLETED BY P. L. Ballinger  
 TELEPHONE 402-825-3811

OPERATING STATUS

1. Unit Name: Cooper Nuclear Station
2. Reporting Period: November 1981
3. Licensed Thermal Power (MWt): 2381
4. Nameplate Rating (Gross MWe): 836
5. Design Electrical Rating (Net MWe): 778
6. Maximum Dependable Capacity (Gross MWe): 787
7. Maximum Dependable Capacity (Net MWe): 764
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes

9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: None

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>720.0</u>	<u>8,016.0</u>	<u>65,041.0</u>
12. Number Of Hours Reactor Was Critical	<u>594.2</u>	<u>5,553.0</u>	<u>53,142.4</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>567.1</u>	<u>5,495.7</u>	<u>52,213.5</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,229,448.0</u>	<u>12,161,904.0</u>	<u>101,944,014.0</u>
17. Gross Electrical Energy Generated (MWH)	<u>402,131.0</u>	<u>3,418,117.0</u>	<u>31,895,131.0</u>
18. Net Electrical Energy Generated (MWH)	<u>388,558.0</u>	<u>3,284,846.0</u>	<u>30,731,176.0</u>
19. Unit Service Factor	<u>78.8</u>	<u>68.6</u>	<u>80.3</u>
20. Unit Availability Factor	<u>78.8</u>	<u>68.6</u>	<u>80.3</u>
21. Unit Capacity Factor (Using MDC Net)	<u>70.6</u>	<u>53.6</u>	<u>61.8</u>
22. Unit Capacity Factor (Using DER Net)	<u>69.4</u>	<u>52.7</u>	<u>60.7</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>2.2</u>	<u>4.1</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
Refueling, May 1, 1982, 4 weeks

25. If Shut Down At End Of Report Period, Estimated Date of Startup: \_\_\_\_\_

26. Units In Test Status (Prior to Commercial Operation):	Forecast	Achieved
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

**AVERAGE DAILY UNIT POWER LEVEL**

DOCKET NO. 50-298

UNIT Cooper Nuclear Station

DATE December 2, 1981

COMPLETED BY P. L. Ballinger

TELEPHONE 402-825-3811

MONTH November

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>	17	<u>768</u>
2	<u>0</u>	18	<u>767</u>
3	<u>0</u>	19	<u>764</u>
4	<u>0</u>	20	<u>768</u>
5	<u>0</u>	21	<u>767</u>
6	<u>0</u>	22	<u>744</u>
7	<u>71</u>	23	<u>767</u>
8	<u>349</u>	24	<u>767</u>
9	<u>490</u>	25	<u>768</u>
10	<u>511</u>	26	<u>765</u>
11	<u>660</u>	27	<u>732</u>
12	<u>716</u>	28	<u>740</u>
13	<u>705</u>	29	<u>748</u>
14	<u>706</u>	30	<u>778</u>
15	<u>637</u>	31	<u>---</u>
16	<u>767</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.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-298  
 UNIT NAME Cooper Nuclear Station  
 DATE December 2, 1981  
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 TELEPHONE 402-825-3811

REPORT MONTH November

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
81-7	810912	S	152.9	B	1	N/A	N/A	N/A	Turbine rotor maintenance outage completion.

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance of Test  
 C-Refueling  
 D-Regulatory Restriction  
 E-Operator Training & License Examination  
 F-Administrative  
 G-Operational Error (Explain)  
 H-Other (Explain)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

<sup>4</sup>  
 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

<sup>5</sup>  
 Exhibit I - Same Source

OPERATIONS NARRATIVE  
Cooper Nuclear Station  
November 1981

The turbine rotor maintenance outage ended on November 6, 1981 with completion of the low pressure turbine rotor replacement. The reactor was taken critical at 1450 hours, November 6, 1981 and the generator was synchronized to the grid at 0343 hours, November 7, 1981. The generator was tripped off line at 1700, November 7, 1981 for overspeed trip testing and to balance the new low pressure rotors and was re-synchronized to the grid at 2201, November 7, 1981. The plant increased power to rated conditions and operated at steady state power for the remainder of the month.