



# Nebraska Public Power District

COOPER NUCLEAR STATION  
P.O. BOX 98, BROWNVILLE, NEBRASKA 68321  
TELEPHONE (402) 825-3811

CNSS908424

December 4, 1990

Document Control Desk  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Subject: Monthly Operating Status Report for November 1990, Docket No.  
50-298.

Gentlemen:

Enclosed for your information and use is the Cooper Nuclear Station Monthly Operating Status Report for November 1990. The report includes Operating Status, Average Daily Unit Power Level, Unit Shutdown Data and a Narrative Summary of Operating Experience.

Should you have any comments, or require additional information regarding this report, please contact me.

Sincerely,

J. M. Meacham  
Division Manager of  
Nuclear Operations

JMM:JTS:kdg

Enclosures

cc: G. D. Watson w/enclosures  
R. D. Martin w/enclosure

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OPERATING DATA REPORT

DOCKET NO. 050-0298  
 UNIT CNS  
 DATE Dec. 4, 1990  
 TELEPHONE (402) 825-5291

OPERATING STATUS

1. Unit Name: Cooper Nuclear Station Notes
2. Reporting Period: November 1990
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:

9. Power Level To Which Restricted, If Any (Net MWe): \_\_\_\_\_
10. Reasons For Restriction, If Any: \_\_\_\_\_

	This Month	Yr.-to-Date	Cumulative
11. Hours in Reporting Period	<u>720.0</u>	<u>8,016.5</u>	<u>143,929.0</u>
12. Number of Hours Reactor Was Critical	<u>720.0</u>	<u>6,209.3</u>	<u>108,857.5</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>720.0</u>	<u>6,165.3</u>	<u>107,197.0</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>1,678,248.0</u>	<u>14,146,168.0</u>	<u>216,829,228.0</u>
17. Gross Electric Energy Generated (MWH)	<u>563,053.0</u>	<u>4,681,872.0</u>	<u>70,017,745.0</u>
18. Net Electric Energy Generated (MWH)	<u>545,366.0</u>	<u>4,539,318.0</u>	<u>67,554,513.0</u>
19. Unit Service Factor	<u>100.0</u>	<u>76.9</u>	<u>74.5</u>
20. Unit Availability Factor	<u>100.0</u>	<u>76.9</u>	<u>74.5</u>
21. Unit Capacity Factor (Using MDC Net)	<u>99.1</u>	<u>74.1</u>	<u>61.4</u>
22. Unit Capacity Factor (Using DER Net)	<u>97.4</u>	<u>72.8</u>	<u>60.3</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>4.8</u>	<u>4.8</u>

24. Shutdown Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
None

25. If Shut Down At End of Report Period, Estimated Date of Startup: N/A
26. Units In Test Status (Prior to Commercial Operation):
 

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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 050-0298

UNIT CNS

DATE December 4, 1990

TELEPHONE (402) 825-5291

MONTH November 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>627</u>	17	<u>766</u>
2	<u>636</u>	18	<u>773</u>
3	<u>645</u>	19	<u>772</u>
4	<u>764</u>	20	<u>769</u>
5	<u>771</u>	21	<u>772</u>
6	<u>764</u>	22	<u>773</u>
7	<u>770</u>	23	<u>773</u>
8	<u>772</u>	24	<u>775</u>
9	<u>773</u>	25	<u>770</u>
10	<u>772</u>	26	<u>774</u>
11	<u>765</u>	27	<u>773</u>
12	<u>771</u>	28	<u>772</u>
13	<u>773</u>	29	<u>772</u>
14	<u>773</u>	30	<u>773</u>
15	<u>771</u>	31	<u></u>
16	<u>769</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. 050-0298  
 UNIT NAME Cooper Nuclear Station  
 DATE December 4, 1990  
 COMPLETED BY J.E. Thompson  
 TELEPHONE (402) 825-5291

REPORT MONTH November 1990

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method Of Shutting Down Reactor <sup>3</sup>	Licensee Event Report	System <sup>4</sup> Code	Component <sup>5</sup> Code	Cause & Corrective Action to Prevent Recurrence
None									

- 1 F: Forced  
S: Scheduled

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

- 3 Method:  
 1 - Manual  
 2 - Manual Scram  
 3 - Automatic Scram  
 4 - Continued  
 5 - Reduced Load  
 6 - Other

- 4 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)  
 5 Exhibit I - Same Source

OPERATIONS NARRATIVE  
COOPER NUCLEAR STATION  
NOVEMBER 1990

NORMAL POWER OPERATION WAS EXPERIENCED DURING THE MONTH  
OF NOVEMBER. A CAPACITY FACTOR OF 99.1% WAS ACHIEVED  
FOR THE MONTH.