



## Nebraska Public Power District

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

CNSS918602

April 1, 1991

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

Subject: Monthly Operating Status Report for March 1991, Docket No. 50-298.

Gentlemen:

Enclosed for your information and use is the Cooper Nuclear Station Monthly Operating Status Report for March 1991. 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:JET:kap

Enclosures

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

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# OPERATING DATA REPORT

DOCKET NO. 050-0298  
 UNIT CNS  
 DATE April 1, 1991  
 TELEPHONE (402) 825-5396

## OPERATING STATUS

1. Unit Name: Cooper Nuclear Station Notes

2. Reporting Period: March 1991

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>744.0</u>	<u>2,160.0</u>	<u>146,833.0</u>
12. Number of Hours Reactor Was Critical	<u>644.2</u>	<u>2,060.2</u>	<u>111,661.7</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>622.2</u>	<u>2,038.2</u>	<u>109,079.2</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>1,392,278.0</u>	<u>4,732,320.0</u>	<u>223,324,444.0</u>
17. Gross Electric Energy Generated (MWh)	<u>467</u>	<u>1,587,325.0</u>	<u>72,196,735.0</u>
18. Net Electric Energy Generated (MWh)	<u>452,755.0</u>	<u>1,536,594.0</u>	<u>69,663,174.0</u>
19. Unit Service Factor	<u>83.6</u>	<u>94.4</u>	<u>74.9</u>
20. Unit Availability Factor	<u>83.6</u>	<u>94.4</u>	<u>74.9</u>
21. Unit Capacity Factor (Using MDC Net)	<u>79.7</u>	<u>93.1</u>	<u>62.1</u>
22. Unit Capacity Factor (Using DER Net)	<u>78.2</u>	<u>91.4</u>	<u>61.0</u>
23. Unit Forced Outage Rate	<u>16.4</u>	<u>5.6</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	<u>          </u>	<u>          </u>
INITIAL ELECTRICITY	<u>          </u>	<u>          </u>
COMMERCIAL OPERATION	<u>          </u>	<u>          </u>

## AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 050-0298

UNIT	<u>CNS</u>
DATE	<u>April 1, 1991</u>
TELEPHONE	<u>(402) 825-5396</u>

MONTH March 1991DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>767</u>
2	<u>757</u>
3	<u>646</u>
4	<u>768</u>
5	<u>773</u>
6	<u>771</u>
7	<u>769</u>
8	<u>769</u>
9	<u>768</u>
10	<u>755</u>
11	<u>774</u>
12	<u>773</u>
13	<u>771</u>
14	<u>771</u>
15	<u>772</u>
16	<u>773</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	<u>770</u>
18	<u>773</u>
19	<u>773</u>
20	<u>772</u>
21	<u>773</u>
22	<u>765</u>
23	<u>168</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>29</u>
29	<u>459</u>
30	<u>668</u>
31	<u>741</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.

DOCKET NO. 050-0298  
UNIT NAME Cooper Nuclear Station  
DATE April 1, 1991  
COMPLETED BY B.J. Krautblatt  
TELEPHONE (402) 825-5396

DOCKET NO. 050-0298  
UNIT NAME Cooper Nuclear Station  
DATE April 1, 1991  
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- |   |                           |   |                                                                                                                                                                                                                                                     |   |                                                                                                                    |   |                                                                                                                 |
|---|---------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--------------------------------------------------------------------------------------------------------------------|---|-----------------------------------------------------------------------------------------------------------------|
| 1 | F: Forced<br>S: Scheduled | 2 | Reason:<br>A - Equipment Failure (Explain)<br>B - Maintenance or Test<br>C - Refueling<br>D - Regulatory Restriction<br>E - Operator Training & License Examination<br>F - Administrative<br>G - Operational Error (Explain)<br>H - Other (Explain) | 3 | Method:<br>1 - Manual<br>2 - Manual Scram<br>3 - Automatic Scram<br>4 - Continued<br>5 - Reduced Load<br>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  
MARCH 1991

NORMAL POWER OPERATION WAS EXPERIENCED DURING THE MONTH OF MARCH, WITH ONE SHUTDOWN DUE TO A FEEDWATER CHECK VALVE LEAK IN THE STEAM TUNNEL. A CAPACITY FACTOR OF 79.7% WAS ACHIEVED FOR THE MONTH.