

# OPERATING DATA REPORT

DOCKET NO. 50-298  
 DATE 12-9-85  
 COMPLETED BY J.K. Salisbury  
 TELEPHONE (402) 825-3811

## OPERATING STATUS

1. Unit Name: Cooper Nuclear Station
2. Reporting Period: November, 1985
3. Licensed Thermal Power (Mw): 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):
10. Reasons For Restrictions, If Any:

|  | This Month | Yr.-to-Date | Cumulative    |
|--|------------|-------------|---------------|
| 11. Hours In Reporting Period  | 720.0      | 8,016.0     | 100,105.0     |
| 12. Number Of Hours Reactor Was Critical                                       | 212.7      | 1,313.5     | 74,269.1      |
| 13. Reactor Reserve Shutdown Hours   | 0.0        | 0.0         | 0.0           |
| 14. Hours Generator On-Line  | 167.5      | 1,141.2     | 72,961.8      |
| 15. Unit Reserve Shutdown Hours  | 0.0        | 0.0         | 0.0           |
| 16. Gross Thermal Energy Generated (MWH)                                       | 315,274.0  | 1,700,220.0 | 143,140,231.0 |
| 17. Gross Electrical Energy Generated (MWH)                                    | 98,482.0   | 530,848.0   | 45,555,344.0  |
| 18. Net Electrical Energy Generated (MWH)                                      | 94,562.0   | 504,855.0   | 43,891,467.0  |
| 19. Unit Service Factor  | 23.3       | 14.2        | 72.9          |
| 20. Unit Availability Factor   | 23.3       | 14.2        | 72.9          |
| 21. Unit Capacity Factor (Using MDC Net)                                       | 17.2       | 8.2         | 57.4          |
| 22. Unit Capacity Factor (Using DER Net)                                       | 16.9       | 8.1         | 56.4          |
| 23. Unit Forced Outage Rate  | 75.2       | 49.9        | 5.0           |
| 24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): |            |             |               |

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

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

| Forecast | Achieved |
|----------|----------|
| _____    | _____    |
| _____    | _____    |
| _____    | _____    |

8602190555 851130  
 PDR ADOCK 05000298  
 R PDR

IE24  
 1/1

(9/77)

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-298

UNIT CNS

DATE 12-9-85

COMPLETED BY J.K. Selisbury

TELEPHONE (402) 825-3811

MONTH November, 1985

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) |
|-----|--|-----|--|
| 1   | <u>0</u>                               | 17  | <u>0</u>                               |
| 2   | <u>0</u>                               | 18  | <u>0</u>                               |
| 3   | <u>0</u>                               | 19  | <u>0</u>                               |
| 4   | <u>0</u>                               | 20  | <u>0</u>                               |
| 5   | <u>0</u>                               | 21  | <u>0</u>                               |
| 6   | <u>0</u>                               | 22  | <u>0</u>                               |
| 7   | <u>0</u>                               | 23  | <u>95</u>                              |
| 8   | <u>0</u>                               | 24  | <u>243</u>                             |
| 9   | <u>0</u>                               | 25  | <u>484</u>                             |
| 10  | <u>0</u>                               | 26  | <u>582</u>                             |
| 11  | <u>0</u>                               | 27  | <u>584</u>                             |
| 12  | <u>0</u>                               | 28  | <u>691</u>                             |
| 13  | <u>0</u>                               | 29  | <u>716</u>                             |
| 14  | <u>0</u>                               | 30  | <u>746</u>                             |
| 15  | <u>0</u>                               | 31  | <u>      </u>                          |
| 16  | <u>0</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

REPORT MONTH November, 1985DOCKET NO. 50-298UNIT NAME CNSDATE 12-9-85COMPLETED BY J.K. SalisburyTELEPHONE (402) 825-3811

| No.   | Date   | Type <sup>1</sup> | Duration<br>(Hours) | Reason <sup>2</sup> | Method of<br>Shutting<br>Down Reactor <sup>3</sup> | Licensee<br>Event<br>Report # | System<br>Code <sup>4</sup> | Component<br>Code <sup>5</sup> | Cause & Corrective<br>Action to<br>Prevent Recurrence   |
|-------|--------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|---|
| 85-01 | 851005 | F                 | 507.3*              | A                   | 4  | NA                            | NA                          | NA                             | High vibration on the Main Turbine required Plant Shutdown on October 5, 1985. The outage continued into November with the reactor going critical on November 22, 1985 at 0321 hours. *Total outage duration hours is 507.3 + 631.5 = 1138.8 hours. |

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

<sup>2</sup>  
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)

<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, 1985

Main Turbine Maintenance/Repair work was completed in the month of November allowing Plant start-up on November 22, 1985 with the reactor going critical at 0321 hours.

No scheduled or unscheduled shutdowns or reductions in power were experienced during the remainder of the month.



## Nebraska Public Power District

COOPER NUCLEAR STATION  
P.O. BOX 38, BROWNVILLE, NEBRASKA 68321  
TELEPHONE (402) 825-3811

CNSS850700

December 9, 1985

Director, Office of Management Information  
and Program Control  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Subject: Monthly Operation Status Report for November 1985  
Docket No. 50-298

Gentlemen:

Enclosed for your information and use is the Cooper Nuclear Station Monthly Operating Status Report for November 1985. 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,

P. V. Thomason  
Division Manager of  
Nuclear Operations

PVT:lb

Enclosure

cc: G. D. Watson w/enc.  
A. C. Gehr w/enc.  
R. D. Martin w/enc.

IE24  
11