# OPERATING DATA REPORT

DOCKET NO. 050-298
DATE 9-8-82
COMPLETED BY P. L. Ballinger
TELEPHONE 402-825-3811

## OPERATING STATUS

1. Unit Name: Cooper Nuclear Station
2. Reporting Period: August 1982
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):
10. Reasons For Restrictions, If Any:

| | This Month | Yr.-to-Date | Cumulative |
|---|---|---|---|
| 11. Hours In Reporting Period | 744.0 | 5,831.0 | 71,616.0 |
| 12. Number Of Hours Reactor Was Critical | 716.5 | 4,600.6 | 58,487.0 |
| 13. Reactor Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 14. Hours Generator On-Line | 700.9 | 4,550.2 | 57,507.7 |
| 15. Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 16. Gross Thermal Energy Generated (MWH) | 1,503,024.0 | 9,868,200.0 | 113,556,678.0 |
| 17. Gross Electrical Energy Generated (MWH) | 491,847.0 | 3,269,131.0 | 35,749,918.0 |
| 18. Net Electrical Energy Generated (MWH) | 475,188.0 | 3,164,680.0 | 34,462,058.0 |
| 19. Unit Service Factor | 94.2 | 78.0 | 80.3 |
| 20. Unit Availability Factor | 94.2 | 78.0 | 80.3 |
| 21. Unit Capacity Factor (Using MDC Net) | 83.6 | 71.0 | 63.0 |
| 22. Unit Capacity Factor (Using DER Net) | 82.1 | 69.8 | 61.9 |
| 23. Unit Forced Outage Rate | 5.8 | 3.0 | 3.9 |

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):

| | Forecast | Achieved |
|---|---|---|
| INITIAL CRITICALITY | | |
| INITIAL ELECTRICITY | | |
| COMMERCIAL OPERATION | | |

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 050-298
UNIT Cooper Nuclear Stat.
DATE 9-8-82
COMPLETED BY P. L. Ballinger
TELEPHONE 402-825-3811

MONTH August

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|---|---|---|---|
| 1 | 515 | 17 | 483 |
| 2 | 562 | 18 | 0 |
| 3 | 669 | 19 | 29 |
| 4 | 752 | 20 | 279 |
| 5 | 748 | 21 | 607 |
| 6 | 750 | 22 | 605 |
| 7 | 752 | 23 | 753 |
| 8 | 751 | 24 | 745 |
| 9 | 735 | 25 | 703 |
| 10 | 700 | 26 | 711 |
| 11 | 698 | 27 | 754 |
| 12 | 705 | 28 | 727 |
| 13 | 721 | 29 | 725 |
| 14 | 723 | 30 | 740 |
| 15 | 701 | 31 | 752 |
| 16 | 726 | | |

## 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.

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## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-298
UNIT NAME Cooper Nuclear Station
DATE September 8, 1982
COMPLETED BY P. L. Ballinger
TELEPHONE 402-825-3811

REPORT MONTH August

| No. | Date | Type[1] | Duration (Hours) | Reason[2] | Method of Shutting Down Reactor[3] | Licensee Event Report # | System Code[4] | Component Code[5] | Cause & Corrective Action to Prevent Recurrence |
|---|---|---|---|---|---|---|---|---|---|
| 82-7 | 820817 | F | 43.1 | A | 3 | N/A | N/A | N/a | A failure in the turbine control system caused the main steam control valves to close. The pressure transient caused by the control valve closure resulted in a neutron flux spike and a reactor scram. A bad circuit card was replaced in the turbine control system and plant returned to operation. |

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-Other (Explain)

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

5
Exhibit I - Same Source

(9/77)

OPERATIONS NARRATIVE
Cooper Nuclear Station
August 1982

The plant operated the month of August with only one unscheduled shutdown. On August 17, a failure in the turbine control system electronic circuitry caused the main steam control valves to close. This closure caused a pressure transient in the reactor vessel and resulted in high neutron flux and a reactor scram. A circuit card in the turbine control system was found defective and was replaced. The plant returned to operation after satisfactorily testing of the turbine control system.