# OPERATING DATA REPORT

DOCKET NO. 050-298
DATE 10-6-82
COMPLETED BY P. L. Ballinger
TELEPHONE 402-825-3811

## OPERATING STATUS

1. Unit Name: Cooper Nuclear Station
2. Reporting Period: September 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 | 720.0 | 6,551.0 | 72,336.0 |
| 12. Number Of Hours Reactor Was Critical | 705.4 | 5,306.0 | 59,192.4 |
| 13. Reactor Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 14. Hours Generator On-Line | 696.5 | 5,246.7 | 58,204.2 |
| 15. Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 16. Gross Thermal Energy Generated (MWH) | 1,511,832.0 | 11,380,032.0 | 115,068,510.0 |
| 17. Gross Electrical Energy Generated (MWH) | 503,570.0 | 3,772,701.0 | 36,253,488.0 |
| 18. Net Electrical Energy Generated (MWH) | 486,715.0 | 3,651,395.0 | 34,948,773.0 |
| 19. Unit Service Factor | 96.7 | 80.1 | 80.5 |
| 20. Unit Availability Factor | 96.7 | 80.1 | 80.5 |
| 21. Unit Capacity Factor (Using MDC Net) | 88.5 | 73.0 | 63.2 |
| 22. Unit Capacity Factor (Using DER Net) | 86.9 | 71.6 | 62.1 |
| 23. Unit Forced Outage Rate | 3.3 | 3.1 | 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 Station
DATE October 6, 1982
COMPLETED BY P. L. Ballinger
TELEPHONE 402-825-3811

MONTH September

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|---|---|---|---|
| 1 | 764 | 17 | 728 |
| 2 | 758 | 18 | 729 |
| 3 | 759 | 19 | 714 |
| 4 | 304 | 20 | 728 |
| 5 | 130 | 21 | 728 |
| 6 | 493 | 22 | 728 |
| 7 | 534 | 23 | 729 |
| 8 | 639 | 24 | 730 |
| 9 | 731 | 25 | 743 |
| 10 | 720 | 26 | 700 |
| 11 | 717 | 27 | 731 |
| 12 | 698 | 28 | 751 |
| 13 | 713 | 29 | 773 |
| 14 | 705 | 30 | 729 |
| 15 | 694 | 31 | --- |
| 16 | 725 | | |

## 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

REPORT MONTH September

DOCKET NO. 050-298
UNIT NAME Cooper Nuclear Station
DATE October 6, 1982
COMPLETED BY P. L. Ballinger
TELEPHONE 402-825-3811

| 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 |
|---|---|---|---|---|---|---|---|---|---|
| 82-8 | 820904 | F | 23.5 | A | 3 | NA | NA | NA | An electronic component in the "A" feedwater pump controller shorted out causing the "A" FW loop flow to reduce to nearly zero flow. The reactor water level decreased to the trip level and the reactor scrammed. The failed component in the FW pump controller was replaced and the plant was 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
September 1982

The plant operated the month of September with only one unscheduled shutdown. On September 4, 1982, an electronic component in the "A" feedwater pump control system failed causing the "A" FW loop flow to drop to nearly zero flow. Reactor water level decreased to the trip level and the reactor scrammed. Although the "B" FW automatically increased its flow to compensate for the loss of the "A" FW loop flow, it was insufficient to prevent the reactor scram. The failed component in the FW control system was replaced and the plant was returned to operation.