

OPERATING DATA REPORT

DOCKET NO. 50-298
 DATE 6-4-79
 COMPLETED BY P. J. Borer
 TELEPHONE 402-825-3811

OPERATING STATUS

1. Unit Name: Cooper Nuclear Station
2. Reporting Period: May 1979
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): None
10. Reasons For Restrictions, If Any: None

| | This Month | Yr.-to-Date | Cumulative |
|--|----------------|------------------|-------------------|
| 11. Hours In Reporting Period | <u>744.0</u> | <u>3,623.0</u> | <u>43,104.0</u> |
| 12. Number Of Hours Reactor Was Critical | <u>523.6</u> | <u>2,849.6</u> | <u>36,304.5</u> |
| 13. Reactor Reserve Shutdown Hours | <u>0</u> | <u>0</u> | <u>0</u> |
| 14. Hours Generator On-Line | <u>457.7</u> | <u>2,782.7</u> | <u>35,585.9</u> |
| 15. Unit Reserve Shutdown Hours | <u>0</u> | <u>0</u> | <u>0</u> |
| 16. Gross Thermal Energy Generated (MWH) | <u>655,344</u> | <u>5,476,896</u> | <u>65,901,054</u> |
| 17. Gross Electrical Energy Generated (MWH) | <u>200,658</u> | <u>1,801,288</u> | <u>21,159,174</u> |
| 18. Net Electrical Energy Generated (MWH) | <u>192,704</u> | <u>1,742,017</u> | <u>20,405,356</u> |
| 19. Unit Service Factor | <u>61.5</u> | <u>76.8</u> | <u>82.6</u> |
| 20. Unit Availability Factor | <u>61.5</u> | <u>76.8</u> | <u>82.6</u> |
| 21. Unit Capacity Factor (Using MDC Net) | <u>33.9</u> | <u>62.9</u> | <u>62.0</u> |
| 22. Unit Capacity Factor (Using DER Net) | <u>33.3</u> | <u>61.8</u> | <u>60.8</u> |
| 23. Unit Forced Outage Rate | <u>11.5</u> | <u>2.1</u> | <u>4.6</u> |
| 24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): | <u>None</u> | | |

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 | <u> </u> | <u> </u> |
| INITIAL ELECTRICITY | <u> </u> | <u> </u> |
| COMMERCIAL OPERATION | <u> </u> | <u> </u> |

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7906130297

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-298
 UNIT NAME Cooper Nuclear Station
 DATE 6-4-79
 COMPLETED BY P. J. Borer
 TELEPHONE 402-825-3811

REPORT MONTH May 1979

| 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 |
|------|--------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|--|
| 79-3 | 790407 | S | 153.2 | C | 2 | N/A | N/A | N/A | Continuation of Annual Refueling & Maintenance Outage |
| 79-4 | 790509 | F | 21.9 | A | 3 | N/A | N/A | N/A | Main Turbine Control System Malfunctioned During Stop Valve Testing |
| 79-5 | 790521 | S | 73.7 | B | 2 | N/A | N/A | N/A | Plant was Shutdown to Repair a Reactor Feed Pump Suction Valve |
| 79-6 | 790525 | F | 37.5 | A | 3 | N/A | N/A | N/A | Reactor Recirculation Motor Generator Set Malfunctioned Causing a Speed Increase Which Resulted in a Reactor High Flux Scram |

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)

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 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)

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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO 50-298

UNIT Cooper Nuclear Station

DATE 6-4-79

COMPLETED BY P. J. Borer

TELEPHONE 402-825-3811

MONTH May 1979

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|
| 1 | <u>0</u> |
| 2 | <u>0</u> |
| 3 | <u>0</u> |
| 4 | <u>0</u> |
| 5 | <u>0</u> |
| 6 | <u>0</u> |
| 7 | <u>149</u> |
| 8 | <u>195</u> |
| 9 | <u>115</u> |
| 10 | <u>151</u> |
| 11 | <u>337</u> |
| 12 | <u>439</u> |
| 13 | <u>458</u> |
| 14 | <u>471</u> |
| 15 | <u>491</u> |
| 16 | <u>486</u> |

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|
| 17 | <u>486</u> |
| 18 | <u>482</u> |
| 19 | <u>482</u> |
| 20 | <u>481</u> |
| 21 | <u>304</u> |
| 22 | <u>0</u> |
| 23 | <u>0</u> |
| 24 | <u>1</u> |
| 25 | <u>49</u> |
| 26 | <u>26</u> |
| 27 | <u>357</u> |
| 28 | <u>385</u> |
| 29 | <u>502</u> |
| 30 | <u>617</u> |
| 31 | <u>622</u> |

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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.

OPERATIONS NARRATIVE

May 1979

The unit was returned to service following a 29 day refueling outage on May 7th. On May 9th, the reactor scrammed during Main Turbine Stop Valve testing. The scram was caused by a malfunction of the Main Turbine Control System. During startup from this scram, a reactor feed pump suction valve failed. For the period of May 9th through May 21st, power was limited due to the out of service reactor feed pump. The unit was shutdown on May 21st to repair this valve and to perform other maintenance activities. The unit was returned to service on May 24th. The reactor scrammed on May 25th due to high flux caused by a rapid speed increase of a reactor recirculation motor generator set. The unit was returned to service on May 26th and operated for the balance of the month.

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