

OPERATING DATA REPORT

DOCKET NO. 050-298
 DATE September 3, 1981
 COMPLETED BY P. L. Ballinger
 TELEPHONE 402-825-3811

OPERATING STATUS

1. Unit Name: Cooper Nuclear Station
2. Reporting Period: August 1981
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:
None

Notes

9. Power Level To Which Restricted, If Any (Net MWe): 640
10. Reasons For Restrictions, If Any: Temporary turbine modifications

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744.0</u>	<u>5,831.0</u>	<u>62,856.0</u>
12. Number Of Hours Reactor Was Critical	<u>744.0</u>	<u>4,684.6</u>	<u>52,274.0</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>744.0</u>	<u>4,655.6</u>	<u>51,373.4</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>1,700,208.0</u>	<u>10,314,048.0</u>	<u>100,096,158.0</u>
17. Gross Electrical Energy Generated (MWH)	<u>465,488.0</u>	<u>2,845,245.0</u>	<u>31,322,259.0</u>
18. Net Electrical Energy Generated (MWH)	<u>448,044.0</u>	<u>2,731,968.0</u>	<u>30,178,298.0</u>
19. Unit Service Factor	<u>100.0</u>	<u>79.8</u>	<u>81.7</u>
20. Unit Availability Factor	<u>100.0</u>	<u>79.8</u>	<u>81.7</u>
21. Unit Capacity Factor (Using MDC Net)	<u>78.8</u>	<u>61.3</u>	<u>62.8</u>
22. Unit Capacity Factor (Using DER Net)	<u>77.4</u>	<u>60.2</u>	<u>61.7</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>2.6</u>	<u>4.1</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

Low pressure turbine rotor replacement, September 13, 1981, 6 weeks

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 September 3, 1981

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TELEPHONE 402-825-3811

MONTH August

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>630</u>
2	<u>364</u>
3	<u>521</u>
4	<u>614</u>
5	<u>611</u>
6	<u>623</u>
7	<u>629</u>
8	<u>627</u>
9	<u>553</u>
10	<u>601</u>
11	<u>629</u>
12	<u>603</u>
13	<u>625</u>
14	<u>614</u>
15	<u>628</u>
16	<u>599</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>593</u>
18	<u>603</u>
19	<u>602</u>
20	<u>605</u>
21	<u>634</u>
22	<u>636</u>
23	<u>596</u>
24	<u>629</u>
25	<u>632</u>
26	<u>633</u>
27	<u>635</u>
28	<u>636</u>
29	<u>637</u>
30	<u>603</u>
31	<u>635</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

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 UNIT NAME Cooper Nuclear Station
 DATE September 3, 1981
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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
81-6	810802	S	0	H	4	N/A	N/A	N/A	Reduced power to exchange control rod pattern.

¹
 F: Forced
 S: Scheduled

²
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance of 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 (NURIG-
 0161)

⁵
 Exhibit I - Same Source

OPERATION NARRATIVE
Cooper Nuclear Station
August 1981

The plant operated the month of August with no scheduled or unscheduled power outages. A scheduled power reduction on August 2, 1981, was made to allow exchange of the control rod patterns. The plant operated the month at approximately 96% thermal capacity and approximately 77% electrical capacity.

An outage is planned for September 13, 1981, to replace the low pressure turbine rotors. A six week outage is planned to perform this work and various other general maintenance activities.