

OPERATING DATA REPORT

DOCKET NO. 50-0298
 DATE May 5, 1981
 COMPLETED BY P. L. Ballinger
 TELEPHONE 402-825-3811

OPERATING STATUS

1. Unit Name: Cooper Nuclear Station
2. Reporting Period: April 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

Notes

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
None

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>719.0</u>	<u>2,879.0</u>	<u>59,904.0</u>
12. Number Of Hours Reactor Was Critical	<u>481.0</u>	<u>2,641.0</u>	<u>50,230.4</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>481.0</u>	<u>2,641.0</u>	<u>49,358.8</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>1,007,568.0</u>	<u>5,897,184.0</u>	<u>95,679,294.0</u>
17. Gross Electrical Energy Generated (MWH)	<u>278,852.0</u>	<u>1,636,217.0</u>	<u>30,113,231.0</u>
18. Net Electrical Energy Generated (MWH)	<u>267,933.0</u>	<u>1,570,791.0</u>	<u>29,017,121.0</u>
19. Unit Service Factor	<u>66.9</u>	<u>91.7</u>	<u>82.4</u>
20. Unit Availability Factor	<u>66.9</u>	<u>91.7</u>	<u>82.4</u>
21. Unit Capacity Factor (Using MDC Net)	<u>48.8</u>	<u>71.4</u>	<u>63.4</u>
22. Unit Capacity Factor (Using DER Net)	<u>47.9</u>	<u>70.1</u>	<u>62.3</u>
23. Unit Forced Outage Rate	<u>17.8</u>	<u>3.8</u>	<u>4.2</u>

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

Low Pressure Turbine Rotor Replacement, October 1, 1981, 6 weeks

25. If Shut Down At End Of Report Period, Estimated Date of Startup: May 25, 1981

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>

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-0298

UNIT Cooper Nuclear Station

DATE May 5, 1981

COMPLETED BY P. L. Ballinger

TELEPHONE 402-825-3811

MONTH April 1981

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>587</u>
2	<u>585</u>
3	<u>582</u>
4	<u>579</u>
5	<u>579</u>
6	<u>577</u>
7	<u>574</u>
8	<u>575</u>
9	<u>572</u>
10	<u>571</u>
11	<u>568</u>
12	<u>560</u>
13	<u>558</u>
14	<u>555</u>
15	<u>554</u>
16	<u>553</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>553</u>
18	<u>551</u>
19	<u>537</u>
20	<u>456</u>
21	<u>19</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>---</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

DOCKET NO. 050-0298
 UNIT NAME Cooper Nuclear Station
 DATE May 5, 1981
 COMPLETED BY P. L. Ballinger
 TELEPHONE 402-825-3811

REPORT MONTH April

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
81-4	810421	F	104	A	2	N/A	N/A	N/A	Reactor was manually scrammed due to high turbine vibration. A refueling and maintenance outage scheduled to commence on April 25, 1981 was started at this time.
	810425	S	134	C	4	N/A	N/A	N/A	Refueling and Maintenance Outage

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

COOPER NUCLEAR STATION
OPERATIONS NARRATIVE
April 1981

High vibrations were experienced in the low pressure turbine on April 20, 1981. The turbine was tripped and the reactor manually scrammed at 0101 hours, April 21, 1981. The Refueling and Maintenance Outage scheduled to commence at 1000 hours, April 25, 1981 was started after the reactor scram. Upon turbine disassembly, it was found that three blades had been thrown from LP #1. Disassembly and inspection of LP #2 is in progress. A thirty day outage was originally planned. Some additional time will be required to reblade two rows of blades on each LP unit. A startup date of May 25, 1981 is currently planned.