

OPERATING DATA REPORT

DOCKET NO. 050-0298  
 DATE 9-6-79  
 COMPLETED BY P. I. Borer  
 TELEPHONE 402-825-3911

OPERATING STATUS

1. Unit Name: Cooper Nuclear Station
2. Reporting Period: August 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>5,831.0</u>	<u>45,312.0</u>
12. Number Of Hours Reactor Was Critical	<u>722.2</u>	<u>5,035.8</u>	<u>38,490.7</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>709.8</u>	<u>4,956.5</u>	<u>37,759.7</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>1,520,016.0</u>	<u>10,037,208.0</u>	<u>70,461,366.0</u>
17. Gross Electrical Energy Generated (MWH)	<u>496,079.0</u>	<u>3,280,870.0</u>	<u>22,638,756.0</u>
18. Net Electrical Energy Generated (MWH)	<u>475,392.0</u>	<u>3,162,018.0</u>	<u>21,825,357.0</u>
19. Unit Service Factor	<u>95.4</u>	<u>85.0</u>	<u>83.3</u>
20. Unit Availability Factor	<u>95.4</u>	<u>85.0</u>	<u>83.3</u>
21. Unit Capacity Factor (Using MDC Net)	<u>83.6</u>	<u>71.0</u>	<u>63.0</u>
22. Unit Capacity Factor (Using DER Net)	<u>82.1</u>	<u>69.7</u>	<u>61.9</u>
23. Unit Forced Outage Rate	<u>4.6</u>	<u>1.9</u>	<u>4.4</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
None

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	_____	_____

928319

7909110459

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 050-0298

UNIT Cooper Nuclear Station

DATE September 6, 1979

COMPLETED BY P. J. Borer

TELEPHONE 302-825-3811

MONTH August 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>668</u>	17	<u>707</u>
2	<u>704</u>	18	<u>690</u>
3	<u>674</u>	19	<u>663</u>
4	<u>609</u>	20	<u>698</u>
5	<u>728</u>	21	<u>700</u>
6	<u>734</u>	22	<u>699</u>
7	<u>731</u>	23	<u>702</u>
8	<u>731</u>	24	<u>704</u>
9	<u>172</u>	25	<u>703</u>
10	<u>56</u>	26	<u>621</u>
11	<u>276</u>	27	<u>692</u>
12	<u>543</u>	28	<u>701</u>
13	<u>636</u>	29	<u>703</u>
14	<u>708</u>	30	<u>701</u>
15	<u>745</u>	31	<u>701</u>
16	<u>710</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.

(9/77)

928320

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-0298  
 UNIT NAME Cooper Nuclear Station  
 DATE September 6, 1979  
 COMPLETED BY P. J. Borer  
 TELEPHONE 402-825-3811

REPORT MONTH August 1979

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
79-9	790809	F	34.2	A	3	N/A	N/A	N/A	An expansion boot on the condensate pump suction pipe failed causing partial loss of feedwater and a low reactor level scram.

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<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 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)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

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

<sup>5</sup>  
 Exhibit I - Same Source

(9/77)

COOPER NUCLEAR STATION  
OPERATIONS NARRATIVE  
August 1979

The reactor scrambled on August 9th on low reactor water level. A condensate pump expansion boot failed causing a partial loss of feed-water, thus causing the low water level. The unit remained shutdown for about 34 hours to permit completion of several minor maintenance items. The unit was then returned to power operation and operated the balance of the month.

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