

OPERATING DATA REPORT

DOCKET NO. 50-298
 DATE 9-10-84
 COMPLETED BY M.F. Noll et
 TELEPHONE 402-825-3811

OPERATING STATUS

1. Unit Name: Cooper Nuclear Station
2. Reporting Period: August, 1984
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	<u>744.0</u>	<u>5,855.0</u>	<u>89,160.0</u>
12. Number Of Hours Reactor Was Critical	<u>707.5</u>	<u>5,595.5</u>	<u>72,598.5</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>698.4</u>	<u>5,545.2</u>	<u>71,463.5</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>1,306,584.0</u>	<u>10,419,087.0</u>	<u>140,932,245.0</u>
17. Gross Electrical Energy Generated (MWH)	<u>426,418.0</u>	<u>3,454,086.0</u>	<u>44,860,441.0</u>
18. Net Electrical Energy Generated (MWH)	<u>409,237.0</u>	<u>3,312,235.0</u>	<u>43,228,894.0</u>
19. Unit Service Factor	<u>93.9</u>	<u>94.7</u>	<u>80.2</u>
20. Unit Availability Factor	<u>93.9</u>	<u>94.7</u>	<u>80.2</u>
21. Unit Capacity Factor (Using MDC Net)	<u>72.0</u>	<u>74.0</u>	<u>63.5</u>
22. Unit Capacity Factor (Using DER Net)	<u>72.7</u>	<u>72.7</u>	<u>62.3</u>
23. Unit Forced Outage Rate	<u>6.1</u>	<u>2.3</u>	<u>3.7</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
1984 Refueling and Maintenance Outage September 24, 1984, 7 months

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	_____	_____

8410160023 840831
 PDR ADOCK 05000298
 R PDR

IE24
 1/1
 (10/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-298
 UNIT CNS
 DATE 9-10-84
 COMPLETED BY M.F. Nollet
 TELEPHONE 402-825-3811

MONTH August, 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	672	17	652
2	672	18	652
3	669	19	600
4	668	20	654
5	596	21	636
6	669	22	496
7	678	23	498
8	446	24	490
9	0	25	489
10	39	26	382
11	425	27	576
12	558	28	628
13	643	29	613
14	654	30	497
15	655	31	491
16	653		

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

REPORT MONTH August, 1984

DOCKET NO. 50-298
 UNIT NAME CNS
 DATE 9-10-84
 COMPLETED BY M. F. Nollet
 TELEPHONE _____

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
84-5	840808	F	45.6	H	3	84-010	NA	NA	High temperature indication in main steam line break detection system, causing Group I isolation and scram. Cause was hot summer day time temperatures and poor insulation around the main steam lines. Added insulation was placed around main steam lines to prevent recurrence.

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 (NUREG-0161)

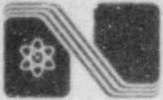
⁵
 Exhibit I - Same Source

OPERATIONS NARRATIVE
COOPER NUCLEAR STATION
AUGUST, 1984

The plant operated during the month of August with no scheduled shutdowns, one (1) unscheduled shutdown, and no other unscheduled power changes.

The unscheduled shutdown took place on August 8, 1984. It was caused by high temperature indications in the main steam line break detection system which generated a Group I isolation signal. This caused the main steam isolation valves (MSIV's) to shut, triggering a reactor scram. The high temperature indications were caused by the presence of heat from poorly insulated main steam lines and by the hot summertime conditions outside the plant which reduce the ability of the plant to shed internally generated heat. Insulation was added around the main steam lines and has since been effective in preventing any further unwarranted Group I isolation signals from being generated by the main steam line break detection system.

A capacity factor of 72.0% was achieved for the month of August.



Nebraska Public Power District

COOPER NUCLEAR STATION
P.O. BOX 98, BROWNVILLE, NEBRASKA 68321
TELEPHONE (402) 825-3811

CNSS840347

September 10, 1984

Director, Office of Management Information
and Program Control
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: Monthly Operation Status Report for August 1984
Docket No. 50-298

Gentlemen:

Enclosed for your information and use is the Cooper Nuclear Station Monthly Operating Status Report for August 1984. The report includes Operating Status, Average Daily Unit Power Level, Unit Shutdown Data, and a Narrative Summary of Operating Experience.

Should you have any comments or require additional information regarding this report, please contact me.

Sincerely,

A handwritten signature in cursive script, appearing to read "P. V. Thomason".

P. V. Thomason
Division Manager of
Nuclear Operations

PVT:lb

Enclosure

cc: G. D. Watson w/enc.
A. C. Gehr w/enc.
J. T. Collins w/enc.

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