

# OPERATING DATA REPORT

DOCKET NO. 050-298  
 DATE 1-5-84  
 COMPLETED BY P. L. Ballinger  
 TELEPHONE 402-825-3811

## OPERATING STATUS

1. Unit Name: Cooper Nuclear Station
2. Reporting Period: December, 1983
3. Licensed Thermal Power (MWt): 2381
4. Nameplate Rating (Gross MWe): 336
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:

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	744.0	8,760.0	83,305.0
12. Number Of Hours Reactor Was Critical	695.6	5,632.1	67,003.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	682.1	5,546.3	65,918.3
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	999,072.0	10,451,856.0	130,513,158.0
17. Gross Electrical Energy Generated (MWH)	331,952.0	3,474,127.0	41,406,355.0
18. Net Electrical Energy Generated (MWH)	315,848.0	3,343,199.0	39,916,659.0
19. Unit Service Factor	91.7	63.3	79.1
20. Unit Availability Factor	91.7	63.3	79.1
21. Unit Capacity Factor (Using MDC Net)	55.6	50.0	62.7
22. Unit Capacity Factor (Using DER Net)	54.6	49.1	61.6
23. Unit Forced Outage Rate	8.3	3.1	3.8

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

Maintenance Outage, 10 days, April 1, 1984

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

8401270475 831231  
 PDR ADOCK 05000298  
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(9/77)

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 050-298

UNIT Cooper Nuclear Station

DATE 1-5-84

COMPLETED BY P. L. Ballinger

TELEPHONE 402-825-3811

MONTH December

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>486</u>
2	<u>486</u>
3	<u>484</u>
4	<u>344</u>
5	<u>489</u>
6	<u>484</u>
7	<u>485</u>
8	<u>487</u>
9	<u>487</u>
10	<u>485</u>
11	<u>401</u>
12	<u>488</u>
13	<u>486</u>
14	<u>486</u>
15	<u>495</u>
16	<u>486</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>484</u>
18	<u>395</u>
19	<u>520</u>
20	<u>648</u>
21	<u>621</u>
22	<u>643</u>
23	<u>448</u>
24	<u>0</u>
25	<u>0</u>
26	<u>88</u>
27	<u>105</u>
28	<u>124</u>
29	<u>427</u>
30	<u>604</u>
31	<u>577</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

REPORT MONTH December 1983

DOCKET NO. 050-298  
 UNIT NAME Cooper Nuclear Station  
 DATE 1-5-84  
 COMPLETED BY P. L. Ballinger  
 TELEPHONE 402-825-3811

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
83-10	831204	S	0.0	H	4	NA	NA	NA	Reduced load per load schedule and and load demand
83-11	831223	F	61.9	A	3	NA	NA	NA	Normal station service transformer destroyed by fire. Reactor scrambled from generator trip. Plant returned to operation using startup transformer. Damage transformer to be replaced during Spring Outage.

<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)

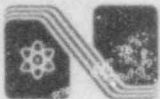
<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

<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

OPERATIONS NARRATIVE  
Cooper Nuclear Station  
December, 1983

The plant operated most of the month at reduced loads per the load schedule and the extended Cycle 9 operating strategy. A weekend load reduction was made on December 4, 1983, per the load schedule and load demand. On December 23, 1983, a reactor scram occurred caused by a fire in the normal station transformer. The reactor was placed in cold shutdown and the transformer fire was extinguished. No personnel injuries or radiological releases occurred. The plant was returned to operation in three days. The destroyed transformer will be replaced during a short Spring maintenance outage. Cause of the fire is still under investigation.



## Nebraska Public Power District

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

CNSS840006

January 5, 1984

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

Subject: Monthly Operation Status Report for December 1983  
Docket No. 50-298

Gentlemen:

Enclosed for your information and use is the Cooper Nuclear Station Monthly Operating Status Report for December 1983. 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,

P. V. Thomason  
Division Manager of  
Nuclear Operations

PVT:lb

Enclosure

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

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