



## Nebraska Public Power District

COOPER NUCLEAR STATION  
P.O. BOX 96, BROWNVILLE, NEBRASKA 68321  
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NLS960093

May 15, 1996

U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, D.C. 20555

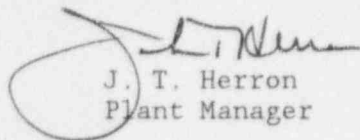
Subject: Monthly Operating Status Report for April 1996, Docket No.  
50-298.

Gentlemen:

Enclosed for your information and use is the Cooper Nuclear Station Monthly Operating Status Report for April 1996. The report includes Operating Status, Average Daily Unit Power Level, Unit Shutdown Data and a Narrative Summary of Operating Experience for the month of April.

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

Sincerely,



J. T. Herron  
Plant Manager

JTH:PLB:tlb

Enclosures

cc: ANI Library  
R. W. Beck and Associates  
T. H. Black  
T. L. Bundy  
L. J. Callan  
J. M. Cline  
A. L. Dostal  
R. L. Gumm  
G. R. Horn  
INPO Records Center  
E. A. Lanning  
J. L. Long  
W. R. Mayben  
J. R. McPhail  
J. H. Mueller  
NRC Senior Resident Inspector  
R. J. Singer  
F. E. Yost

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# OPERATING DATA REPORT

DOCKET NO. 050-0298  
UNIT CNS  
DATE May 15, 1996  
TELEPHONE (402) 825-5295

## OPERATING STATUS

1. Unit Name: Cooper Nuclear Station
2. Reporting Period: April 1996
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 Restriction, If Any:

This Month

Yr.-to-Date

Cumulative

11.	Hours in Reporting Period	719.0	2,903.0	191,400.0
12.	Number of Hours Reactor Was Critical	719.0	2,903.0	141,944.4
13.	Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14.	Hour Generator On-Line	719.0	2,887.1	139,831.0
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	1,568,976.0	6,533,102.0	290,859,530.0
17.	Gross Electric Energy Generated (MWH)	518,860.0	2,167,118.0	94,547,428.0
18.	Net Electric Energy Generated (MWH)	503,459.0	2,101,282.0	91,327,411.0
19.	Unit Service Factor	100.0	99.5	73.1
20.	Unit Availability Factor	100.0	99.5	73.1
21.	Unit Capacity Factor (Using MDC Net)	91.7	94.7	62.5
22.	Unit Capacity Factor (Using DER Net)	90.0	93.0	61.3
23.	Unit Forced Outage Rate	0.0	0.0	8.3

24. Shutdown 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: N/A

26. Units in Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY	Forecast	Achieved
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 050-0298  
 UNIT CNS  
 DATE May 15, 1996  
 TELEPHONE (402) 825-5295

MONTH April 1996

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
	(MWe-Net)		(MWe-Net)

01	753		17	740
02	725		18	740
03	451		19	739
04	462		20	694
05	475		21	614
06	507		22	674
07	630		23	763
08	737		24	766
09	742		25	767
10	741		26	765
11	742		27	766
12	741		28	761
13	741		29	766
14	732		30	766
15	742			
16	741			

## 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 15, 1996  
 COMPLETED BY P. L. Ballinger  
 TELEPHONE (402) 825-5295

REPORT MONTH April 1996

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method Of Shutting Down Reactor <sup>3</sup>	Licensee Event Report	System <sup>4</sup> Code	Component <sup>5</sup> Code	Cause & Corrective Action to Prevent Recurrence
96-02	4/3/96	S	N/A	B	5	N/A	N/A	N/A	Reduced power due to fuel leak. Power suppression testing implemented by inserting rods around potential fuel leaker to reduce bundle power. Suppression procedure implemented and recovery to full power implemented.

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 - Continued  
 5 - Reduced Load  
 6 - Other

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**

April 1996

On March 30, 1996, indications of a potential leaking fuel bundle were observed. Observation of the potential leaking fuel bundle was ongoing throughout the weekend via implementation of the plant Fuel Reliability Procedure. After evaluation and consultation with industry experts on the fuel leaker, a power suppression testing plan was implemented on 4/2/96 with a reduction in power. Reduced power operation continued throughout the testing period. Control rods were inserted around the suspected leaking fuel bundle to suppress power and reduce degradation of the leaking fuel. A slow power recovery plan was implemented on 4/7/96 with full power achieved on 4/23/96. Observation and trending of the fuel leaker continues. A capacity factor of 91.7 was achieved for the month.

The following table identifies those actions committed to by the District in this document. Any other actions discussed in the submittal represent intended or planned actions by the District. They are described to the NRC for the NRC's information and are not regulatory commitments. Please notify the Licensing Manager at Cooper Nuclear Station of any questions regarding this document or any associated regulatory commitments.

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