

OPERATING DATA REPORT

DOCKET NO. 050-0298
 DATE 9-9-86
 COMPLETED BY K. E. Sutton
 TELEPHONE 402-825-3811

OPERATING STATUS

1. Unit Name: Cooper Nuclear Station
2. Reporting Period: August, 1986
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:

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	5,831.0	106,680.0
12. Number Of Hours Reactor Was Critical	713.1	5,772.1	80,785.2
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	701.2	5,748.2	79,454.0
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,380,425.0	11,374,995.0	156,237,661.0
17. Gross Electrical Energy Generated (MWH)	459,817.0	3,798,177.0	49,938,150.0
18. Net Electrical Energy Generated (MWH)	442,260.0	3,659,465.0	48,113,825.0
19. Unit Service Factor	94.2	98.6	74.5
20. Unit Availability Factor	94.2	98.6	74.5
21. Unit Capacity Factor (Using MDC Net)	77.8	82.1	59.0
22. Unit Capacity Factor (Using DER Net)	76.4	80.7	58.0
23. Unit Forced Outage Rate	5.8	1.4	4.7

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

1986 Refueling and Maintenance Outage starting October 5, 1986 with an approximate duration of 10 weeks.

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

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

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

Forecast

Achieved

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-0298

UNIT CNS

DATE 9-9-86

COMPLETED BY K. E. Sutton

TELEPHONE 402-825-3811

MONTH August, 1986

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>702</u>	17	<u>511</u>
2	<u>656</u>	18	<u>625</u>
3	<u>603</u>	19	<u>676</u>
4	<u>712</u>	20	<u>670</u>
5	<u>700</u>	21	<u>671</u>
6	<u>697</u>	22	<u>671</u>
7	<u>695</u>	23	<u>603</u>
8	<u>652</u>	24	<u>606</u>
9	<u>602</u>	25	<u>674</u>
10	<u>601</u>	26	<u>660</u>
11	<u>697</u>	27	<u>675</u>
12	<u>683</u>	28	<u>658</u>
13	<u>366</u>	29	<u>658</u>
14	<u>0</u>	30	<u>596</u>
15	<u>152</u>	31	<u>452</u>
16	<u>502</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 August, 1986

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 UNIT NAME CNS
 DATE 9-9-86
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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
86-05	860813	F	42.8	G	3	*	*	*	<p>While removing a faulty HFA relay of Channel A, Reactor Protection System (RPS), electrical noise induced a Channel B trip completing the 1 out of 2 taken twice logic of RPS and scrambling the reactor.</p> <p>The relay replacement procedure is being revised for this application.</p>
* Not available at the time of this report.									

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)

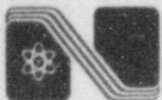
⁵
 Exhibit I - Same Source

Operations Narrative
Cooper Nuclear Station
August 1986

The plant operated the month of August with no scheduled shutdowns, one (1) unscheduled shutdown on August 13, and no other unscheduled power changes.

On August 13, 1986, at 1318 hours, a reactor scram occurred during the performance of a procedure to replace a faulty HFA coil relay of the Channel A Reactor Protection System (RPS). While removing the relay, the relay coil was cycled producing electrical noise which caused a trip on RPS Channel B. As a result the plant scrambled. On August 14, procedures were implemented to bring the plant back into service. The plant was placed on-line August 15, at 0806 hours.

A capacity factor of 77.8% 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

CNSS867731

September 9, 1986

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

Subject: Monthly Operation Status Report for August, 1986
Docket No. 50-298

Gentlemen:

Enclosed for your information and use is the Cooper Nuclear Station Monthly Operating Status Report for August, 1986. 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 dark ink, appearing to read "G. R. Horn".

G. R. Horn
Division Manager of
Nuclear Operations

GRH:drf

Enclosure

cc: G. D. Watson w/enc.
A. C. Gehr w/enc.
R. D. Martin w/enc.

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