OPERATING DATA REPORT

DOCKET NO. 50-298
DATE October 7, 1981
COMPLETED BY P. L. Ballinger
TELEPHONE 402-825-3811

OPERATING STATUS

1. Unit Name: Cooper Nuclear Station
2. Reporting Period: September 1981
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:
None

9. Power Level To Which Restricted, If Any (Net MWe): 640
10. Reasons For Restrictions, If Any: Temporary Turbine Modifications

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	720.0	6,551.0	63,576.0
12. Number Of Hours Reactor Was Critical	274.2	4,958.8	52,548.2
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	273.0	4,928.6	51,646.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	618,408.0	10,932,456.0	100,714,566.0
17. Gross Electrical Energy Generated (MWH)	170,741.0	3,015,986.0	31,493,000.0
18. Net Electrical Energy Generated (MWH)	164,320.0	2,896,288.0	30,342,618.0
19. Unit Service Factor	37.9	75.2	81.2
20. Unit Availability Factor	37.9	75.2	81.2
21. Unit Capacity Factor (Using MDC Net)	29.9	57.9	62.5
22. Unit Capacity Factor (Using DER Net)	29.3	56.8	61.3
23. Unit Forced Outage Rate	0.0	2.5	4.1

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Refueling, May 1, 1982, 4 weeks

25. If Shut Down At End Of Report Period, Estimated Date of Startup: October 24, 1981
26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

AVERAGE DAILY UNIT POWER LEVEL

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UNIT Cooper Nuclear Station
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MONTH September

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	636	17	0
2	634	18	0
3	593	19	0
4	611	20	0
5	635	21	0
6	607	22	0
7	613	23	0
8	614	24	0
9	633	25	0
10	636	26	0
11	618	27	0
12	156	28	0
13	0	29	0
14	0	30	0
15	0	31	-----
16	0		

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.

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UNIT SHUTDOWNS AND POWER REDUCTIONS

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DATE October 7, 1981
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REPORT MONTH September

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
81-7	810912	S	447	B	1	N/A	N/A	N/A	Normal station shutdown in progress for a turbine rotor maintenance outage. During the shutdown, the reactor scrammed from an IRM high flux signal. The reactor was subcritical and control rods were being inserted to bring reactor to cold shutdown. Startup FW control valve malfunctioned and injected cold FW into reactor. Reactivity increase due to cold FW injection caused the IRM high flux scram. The startup valve will be repaired during the maintenance outage.

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 (NURE G-0161)

5
Exhibit I - Same Source

(9/77)

OPERATIONS NARRATIVE
COOPER NUCLEAR STATION
September 1981

The plant operated at steady state power to the 12th of the month when it was shutdown for low pressure turbine rotor replacement. During the shutdown with the reactor subcritical a malfunction in the FW startup control valve injected cold FW into reactor. The cold FW injection increased reactivity in the core and resulted in an IRM high flux scram.

The FW startup control valve is being repaired during the outage.

A scheduled turbine rotor replacement outage started on the 12th of September and is scheduled for six weeks.