

OPERATING DATA REPORT

DOCKET NO. 50-316
 DATE 10-5-81
 COMPLETED BY A. Might
 TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name: Donald C. Cook Plant 2
2. Reporting Period: Sept. 1981
3. Licensed Thermal Power (MWt): 3391
4. Nameplate Rating (Gross MWe): 1133
5. Design Electrical Rating (Net MWe): 1100
6. Maximum Dependable Capacity (Gross MWe): 1118
7. Maximum Dependable Capacity (Net MWe): 1082
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	720	6,551	32,855
12. Number Of Hours Reactor Was Critical	720	4,712.6	22,457.7
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	720	4,619.8	21,659.4
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,430,714	4,769,417	68,822,324
17. Gross Electrical Energy Generated (MWH)	777,300	4,903,520	21,995,350
18. Net Electrical Energy Generated (MWE)	750,494	4,731,896	21,191,061
19. Unit Service Factor	100	70.5	71.3
20. Unit Availability Factor	100	70.5	71.3
21. Unit Capacity Factor (Using MDC Net)	96.3	66.8	66.5
22. Unit Capacity Factor (Using DER Net)	94.8	65.7	65.7
23. Unit Forced Outage Rate	0	1.8	12.8

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
 Maintenance shutdown scheduled for October, 1981 for two 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	Forecast	Achieved
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-316

UNIT 2

DATE 10-5-81

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MONTH September 1981

DAY	AVERAGE DAILY POWER LEVEL (MWE-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1029</u>	17	<u>1048</u>
2	<u>1041</u>	18	<u>1048</u>
3	<u>1045</u>	19	<u>998</u>
4	<u>1035</u>	20	<u>1052</u>
5	<u>1043</u>	21	<u>1054</u>
6	<u>1039</u>	22	<u>1055</u>
7	<u>1037</u>	23	<u>1056</u>
8	<u>1036</u>	24	<u>1055</u>
9	<u>1034</u>	25	<u>1056</u>
10	<u>1048</u>	26	<u>999</u>
11	<u>1033</u>	27	<u>1018</u>
12	<u>1034</u>	28	<u>1064</u>
13	<u>1033</u>	29	<u>1064</u>
14	<u>1034</u>	30	<u>1063</u>
15	<u>1034</u>	31	<u> </u>
16	<u>1039</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 September, 1981

DOCKET NO. 50-316
 UNIT NAME D.C. Cook - Unit 2
 DATE 10-13-81
 COMPLETED BY B.A. Svensson
 TELEPHONE (616) 465-5901
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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
None									There were no unit shutdowns or significant power reductions during the month. The unit operated at a capacity factor of 96.3% (using MDC Net).

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

Docket No.: 50-316
Unit Name: D. C. Cook Unit #2
Completed By: C. E. Murphy
Telephone: 616 465-5901
Date: October 12, 1981
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MONTHLY OPERATING ACTIVITIES - SEPTEMBER, 1981

Highlights:

The Unit entered this reporting period operating at 100% power and has operated through the entire period, except for those periods of time as detailed in the Summary.

At 0153 on Wednesday, September 30, the 69/4 KV Emergency Power Supply was made inoperable due to an open phase which was caused by a lightning strike. Repairs to the line were completed and the system declared operable at 1200, Wednesday, September 30.

Total electrical generation for this month was 777,300 mwh.

Summary:

- 9-4, 9-11-81 Reactor power was reduced to 95% for periods of approximately 3 hours to perform Turbine Valve testing.
- 9-18, 9-25-81 Reactor power was reduced to 90% for periods of approximately 22 hours to test Turbine Valves.

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MAJOR SAFETY-RELATED MAINTENANCE

SEPTEMBER, 1981

- M-1 The manual isolation valve for gas decay tank No. 7 inlet, WD-227-7 was leaking. Replaced the valve diaphragm.
- M-2 Air operated containment isolation valve for No. 2 S/G blowdown, DCR-320 was leaking. Replaced the gaskets and had valve tested.
- M-3 Air operated containment isolation valve for No. 4 S/G blowdown, DCR-340 valve stem was improperly connected to the operator. Repaired valve stem threads, replaced the stem to operator coupling, repacked the valve and had it tested.
- C&I-1 Radiation Monitoring System Channel R-12, containment radio gas monitor would alarm during periods and displayed several spikes in the indication. The detector tube and the electronics enclosure were replaced with spares. A calibration was performed and surveillance test was performed to verify operability.
- C&I-2 Shutdown Bank A of the control rods would not move when the control system required the rod movement. The cause of the trouble was found to be the failure of the supervisory buffer memory card. The card was replaced with a spare and the system was returned to service and functioned as required.
- C&I-3 Radiation Monitoring System Channel R-15, steam jet air ejector monitor would periodically produce high alarms. During the testing of the drawer assembly it was determined the problem resulted from the electronics enclosure at the detector location. The electronics enclosure was replaced with a spare and a channel calibration was performed.