

# N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-315  
DATE 01/Apr/96  
COMPLETED BY D G Turner  
TELEPHONE 616-465-5901

## OPERATING STATUS

1. Unit Name D. C. Cook Unit 1  
2. Reporting Period Mar 1996  
3. Licensed Thermal Power (MWt) 3250  
4. Name Plate Rating (Gross MWe) 1152  
5. Design Electrical Rating (Net MWe) 1020  
6. Maximum Dependable Capacity (GROSS MWe) 1056  
7. Maximum Dependable Capacity (Net MWe) 1000  
8. If Changes Occur in Capacity Ratings (Items no. 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 Mo.	Yr. to Date	Cumm.
11. Hours in Reporting Period	744.0	2184.0	186264.0
12. No. of Hrs. Reactor Was Critical	722.1	2162.1	140154.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	708.0	2148.0	137782.1
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	2248436	6919372	406337253
17. Gross Elect. Energy Gen. (MWH)	742860	2289780	131902150
18. Net Elect. Energy Gen. (MWH)	716910	2210754	126888853
19. Unit Service Factor	95.2	98.4	74.8
20. Unit Availability Factor	95.2	98.4	74.8
21. Unit Capacity Factor (MDC Net)	96.4	101.2	67.9
22. Unit Capacity Factor (DER Net)	94.5	99.2	66.2
23. Unit Forced Outage Rate	4.8	1.6	6.1
24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration):	None		

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

AVERAGE DAILY POWER LEVEL (MWe-Net)

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 UNIT ONE  
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MONTH Mar 1996

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
96/03/01	1040	96/03/17	669
96/03/02	1038	96/03/18	0
96/03/03	1041	96/03/19	274
96/03/04	1035	96/03/20	908
96/03/05	1040	96/03/21	1036
96/03/06	1040	96/03/22	1055
96/03/07	1039	96/03/23	1019
96/03/08	1039	96/03/24	1043
96/03/09	1039	96/03/25	1033
96/03/10	1039	96/03/26	1035
96/03/11	1039	96/03/27	1037
96/03/12	1040	96/03/28	1035
96/03/13	1041	96/03/29	1037
96/03/14	1041	96/03/30	1034
96/03/15	1029	96/03/31	1038
96/03/16	1038		

DOCKET NO: 50-315  
UNIT NAME: D.C. Cook Unit 1  
COMPLETED BY: M.E. Russo  
TELEPHONE: 616-465-5901  
DATE: April 1, 1996  
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MONTHLY OPERATING ACTIVITIES - MARCH 1996

HIGHLIGHTS

The unit entered this reporting period in Mode 1 at 100% RTP.

Reactor power was decreased to 92% RTP March 15, 1996 at 1955 to conduct Main Turbine control valve testing. Reactor power was stabilized at 100% RTP March 16, 1996 at 0130.

A reactor trip occurred March 17, 1996 at 1527 as a result of a Main Feed pump differential pressure controller failure. Following investigation, the unit was placed back on line and Reactor power was stabilized at 100% RTP March 20, 1996 at 1200.

The unit exited this reporting period in Mode 1 at 100% RTP.

There were no challenges to the pressurizer safety valves or power operated relief valves.

Gross electrical generation for the month of March was 742860 MWH.

DETAILS

03-15-96	1955	Commenced Reactor power reduction to 92% RTP to conduct Main Turbine control valve testing.
	2143	Reactor power stabilized at 92% RTP.
	2255	Main Turbine control valve testing completed.
	2330	Commenced Reactor power ascension to 100% RTP.
03-16-96	0130	Reactor power stabilized at 100% RTP.
03-17-96	1527	Reactor trip on low feedwater flow coincident with low Steam Generator level due to a Main Feed pump differential pressure controller failure.
03-18-96	1326	Reactor critical.
	1625	Entered Mode 1.
	2002	Entered Mode 2.

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MONTHLY OPERATING ACTIVITIES - MARCH 1996

DETAILS (cont'd)

03-19-96	0035	Entered Mode 1.
	0327	Main Turbine Generator paralleled to the grid.
03-20-96	1200	Reactor power stabilized at 100% RTP.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: MARCH 1996

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NO.	DATE	TYPE <sup>1</sup>	DURATION HOURS	REASON <sup>2</sup>	METHOD OF SHUTTING DOWN REACTOR <sup>3</sup>	LICENSEE EVENT REPORT NO.	SYSTEM CODE <sup>4</sup>	COMPONENT CODE <sup>5</sup>	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
324	031796	F	36.0	A	3	96-002	JB	PDC	At 1527 Unit 1 received a Reactor trip signal as a result of low feedwater flow coincident with low Steam Generator #4 level and was attributed to the failure of a Main Feedpump differential pressure controller. The Main Generator was paralleled to the grid 031996 at 0327.

<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 and 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