



March 15, 2001

C0301-01

Docket Nos. 50-315  
50-316

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Mail Stop O-P1-17  
Washington, DC 20555-0001

Donald C. Cook Nuclear Plant Units 1 and 2  
MONTHLY OPERATING REPORT

Pursuant to the requirements of Donald C. Cook Nuclear Plant Unit 1 and Unit 2  
Technical Specification 6.9.1.8, the attached Monthly Operating Report for  
February 2001 is submitted.

Sincerely,

Scot A. Greenlee  
Director, Design Engineering and Regulatory Affairs

/dmb

Attachments

IE24

c: ANI Nuclear Engineering Department  
A. C. Bakken, III  
L. Brandon - Department of Health  
G. T. Gaffney -- Canton  
S. Hamming -- Department of Labor  
RAF Harris  
INPO Records Center  
B. Lewis -- McGraw-Hill Companies  
D. H. Malin  
B. A. McIntyre  
NRC Project Manager -- NRR  
NRC Region III  
NRC Resident Inspector  
D. W. Paul -- Columbus  
J. E. Pollock  
R. P. Powers  
M. W. Rencheck  
W. H. Schalk

# NRC OPERATING DATA REPORT

DOCKET NO. 50 - 315  
DATE March 5, 2001  
COMPLETED BY J. W. Minor  
TELEPHONE 616-465-5901

## OPERATING STATUS

1. Unit Name D. C. Cook Unit 1  
2. Reporting Period Feb - 2001  
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

Notes:

8. If Changes Occur in Capacity Ratings (Items no. 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	Year-to-Date	Cumulative
11. Hours in Reporting Period	672.0	1416.0	229344.0
12. No. of Hrs. Reactor Was Critical	592.6	1336.6	152952.9
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	582.0	1326.0	150389.4
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Thermal Energy Gen. (MWH)	1808125.8	4165613.4	444817819.4
17. Gross Electrical Energy Gen. (MWH)	592370.0	1366120.0	144518220.0
18. Net Electrical Energy Gen. (MWH)	571753.0	1319022.0	139046465.0
19. Unit Service Factor	86.6	93.6	66.0
20. Unit Availability Factor	86.6	93.6	66.0
21. Unit Capacity Factor (MDC Net)	85.1	93.2	60.3
22. Unit Capacity Factor (DER Net)	83.4	91.3	58.8
23. Unit Forced Outage Rate	13.4	6.4	20.4

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		

DOCKET NO.	50 - 315
UNIT NAME	D.C. Cook Unit 1
DATE	March 5, 2001
COMPLETED BY	J. W. Minor
TELEPHONE	616-465-5901

# **AVERAGE DAILY POWER LEVEL (MWe-Net)**

**February 2001**

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
2/1/2001	1026	2/15/2001	618
2/2/2001	1034	2/16/2001	0
2/3/2001	1029	2/17/2001	0
2/4/2001	1028	2/18/2001	0
2/5/2001	1033	2/19/2001	152
2/6/2001	1033	2/20/2001	734
2/7/2001	1030	2/21/2001	1027
2/8/2001	935	2/22/2001	1035
2/9/2001	802	2/23/2001	1023
2/10/2001	1013	2/24/2001	1028
2/11/2001	1034	2/25/2001	1032
2/12/2001	1018	2/26/2001	1026
2/13/2001	1043	2/27/2001	1026
2/14/2001	1033	2/28/2001	1031

DOCKET NO.	50 - 315
UNIT NAME	D.C. Cook Unit 1
DATE	March 3, 2001
COMPLETED BY	BW O'Rourke
TELEPHONE	616-465-5901
PAGE	1 of 1

### UNIT SHUTDOWNS AND POWER REDUCTIONS – February 2001

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
334	02/15/01	F	90	D	1	2001-001-00	n/a	n/a	Reactor was manually tripped following an automatic trip of the Unit 1 East main feedwater pump (MFP). The feedwater pump tripped on a loss of condenser vacuum in the East main feedwater pump condenser. Preliminary cause identified that the loss of condenser vacuum was due to debris on the MFP condenser tube sheets. Hydrolyzing was performed to remove corrosion debris from inlet piping.

<b>1 TYPE:</b> F: Forced S: Scheduled	<b>2 REASON:</b> 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)	<b>3 METHOD:</b> 1: Manual 2: Manual Scram 3: Automatic Scram 4: Other (Explain)	<b>4 SYSTEM:</b> Exhibit G - Instructions for preparation of data entry sheets for Licensee Event Report (LER) File (NUREG 0161)	<b>5 COMPONENT:</b> Exhibit I: Same Source
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# NRC OPERATING DATA REPORT

DOCKET NO. 50 - 316  
 DATE March 5, 2001  
 COMPLETED BY J. W. Minor  
 TELEPHONE 616-465-5901

## OPERATING STATUS

1. Unit Name D. C. Cook Unit 2  
 2. Reporting Period Feb - 2001  
 3. Licensed Thermal Power (MWt) 3411  
 4. Name Plate Rating (Gross MWe) 1133  
 5. Design Electrical Rating (Net MWe) 1090  
 6. Maximum Dependable Capacity (GROSS MWe) 1100  
 7. Maximum Dependable Capacity (Net MWe) 1060  
 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 Month	Year-to-Date	Cumulative
11. Hours in Reporting Period	672.0	1416.0	203490.0
12. No. of Hrs. Reactor Was Critical	672.0	1331.5	127716.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	672.0	1318.0	124028.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Gen. (MWH)	2282171.8	4327437.5	385618048.8
17. Gross Electrical Energy Gen. (MWH)	755640.0	1424060.0	124959560.0
18. Net Electrical Energy Gen. (MWH)	732094.0	1378750.0	120426378.0
19. Unit Service Factor	100.0	93.1	61.6
20. Unit Availability Factor	100.0	93.1	61.6
21. Unit Capacity Factor (MDC Net)	102.8	91.9	56.4
22. Unit Capacity Factor (DER Net)	99.9	89.3	54.9
23. Unit Forced Outage Rate	0.0	6.9	25.1

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		

DOCKET NO.	50 - 316
UNIT NAME	D.C. Cook Unit 2
DATE	March 5, 2001
COMPLETED BY	J. W. Minor
TELEPHONE	616-465-5901

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

**February 2001**

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
2/1/2001	1079	2/15/2001	1091
2/2/2001	1089	2/16/2001	1090
2/3/2001	1093	2/17/2001	1094
2/4/2001	1098	2/18/2001	1089
2/5/2001	1091	2/19/2001	1093
2/6/2001	1094	2/20/2001	1086
2/7/2001	1090	2/21/2001	1088
2/8/2001	1095	2/22/2001	1080
2/9/2001	1090	2/23/2001	1080
2/10/2001	1098	2/24/2001	1083
2/11/2001	1087	2/25/2001	1091
2/12/2001	1089	2/26/2001	1088
2/13/2001	1090	2/27/2001	1093
2/14/2001	1089	2/28/2001	1087

DOCKET NO.	50 - 316
UNIT NAME	D.C. Cook Unit 2
DATE	March 3, 2001
COMPLETED BY	BW O'Rourke
TELEPHONE	616-465-5901
PAGE	1 of 1

### UNIT SHUTDOWNS AND POWER REDUCTIONS – February 2001

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
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#### 1 TYPE:

F: Forced  
S: Scheduled

#### 2 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)

#### 3 METHOD:

1: Manual  
2: Manual Scram  
3: Automatic Scram  
4: Other (Explain)

#### 4 SYSTEM:

Exhibit G - Instructions  
for preparation of data  
entry sheets for Licensee  
Event Report (LER) File  
(NUREG 0161)

#### 5 COMPONENT:

Exhibit I: Same Source