



January 15, 2001

C0101-01

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  
December 2000 is submitted.

Sincerely,

A handwritten signature in black ink that reads 'Scot A. Greenlee'. The signature is written in a cursive style.

Scot A. Greenlee  
Director, Design Engineering and Regulatory Affairs

/jen

Attachments

IE24

c: ANI Nuclear Engineering Department  
A. C. Bakken, III  
G. T. Gaffney – Canton  
D. R. Hahn – Department of Health  
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 – Lancaster  
J. E. Pollock  
R. P. Powers  
M. W. Rencheck  
W. H. Schalk

# NRC OPERATING DATA REPORT

DOCKET NO. 50 - 315  
 DATE January 8, 2001  
 COMPLETED BY J. W. Minor  
 TELEPHONE 616-465-5901

**OPERATING STATUS**

1. Unit Name D. C. Cook Unit 1  
 2. Reporting Period Dec -2000  
 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	744.0	8784.0	227928.0
12. No. of Hrs. Reactor Was Critical	331.0	331.0	151616.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	242.3	242.3	149063.4
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Thermal Energy Gen. (MWH)	457392.0	457392.0	440652206.0
17. Gross Electrical Energy Gen. (MWH)	138160.0	138160.0	143152100.0
18. Net Electrical Energy Gen. (MWH)	129803.0	129803.0	137727443.0
19. Unit Service Factor	32.6	2.8	65.9
20. Unit Availability Factor	32.6	2.8	65.9
21. Unit Capacity Factor (MDC Net)	17.4	1.5	60.1
22. Unit Capacity Factor (DER Net)	17.1	1.4	58.5
23. Unit Forced Outage Rate	67.5	97.2	20.5

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.  
UNIT NAME  
DATE  
COMPLETED BY  
TELEPHONE

50 - 315  
D.C. Cook Unit 1  
January 8, 2001  
J. W. Minor  
616-465-5901

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

**December 2000**

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
12/1/2000	0	12/16/2000	0
12/2/2000	0	12/17/2000	0
12/3/2000	0	12/18/2000	0
12/4/2000	0	12/19/2000	0
12/5/2000	0	12/20/2000	0
12/6/2000	0	12/21/2000	5
12/7/2000	0	12/22/2000	132
12/8/2000	0	12/23/2000	225
12/9/2000	0	12/24/2000	394
12/10/2000	0	12/25/2000	404
12/11/2000	0	12/26/2000	402
12/12/2000	0	12/27/2000	572
12/13/2000	0	12/28/2000	724
12/14/2000	0	12/29/2000	813
12/15/2000	0	12/30/2000	870
		12/31/2000	868

DOCKET NO. 50 - 315  
 UNIT NAME D.C. Cook Unit 1  
 DATE January 11, 2001  
 COMPLETED BY BW O'Rourke  
 TELEPHONE 616-465-5901  
 PAGE 1 of 1

**UNIT SHUTDOWNS AND POWER REDUCTIONS – December 2000**

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
333	090897	F	501.7	F	2	97-010	N/A	N/A	The unit remained shutdown to resolve design basis questions discovered during the NRC Architect and Engineering (AE) Inspection.
						97-011	N/A	N/A	
						97-012	N/A	N/A	
						97-013	N/A	N/A	
						97-014	N/A	N/A	
						97-016	N/A	N/A	

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

## NRC OPERATING DATA REPORT

DOCKET NO. 50 - 316  
 DATE January 8, 2001  
 COMPLETED BY J. W. Minor  
 TELEPHONE 616-465-5901

**OPERATING STATUS**

- 1. Unit Name D. C. Cook Unit 2
- 2. Reporting Period Dec - 2000
- 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

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	744.0	8784.0	202074.0
12. No. of Hrs. Reactor Was Critical	744.0	4613.5	126384.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	744.0	4557.0	122710.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Gen. (MWH)	2530457.2	15282960.9	381290611.3
17. Gross Electrical Energy Gen. (MWH)	836960.0	4950860.0	123535500.0
18. Net Electrical Energy Gen. (MWH)	811497.0	4789849.0	119047628.0
19. Unit Service Factor	100.0	51.9	61.4
20. Unit Availability Factor	100.0	51.9	61.4
21. Unit Capacity Factor (MDC Net)	102.9	51.4	56.1
22. Unit Capacity Factor (DER Net)	100.1	50.0	54.7
23. Unit Forced Outage Rate	0	48.1	25.3

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):

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

Forecast

Achieved

DOCKET NO. 50 - 316  
UNIT NAME D.C. Cook Unit 2  
DATE January 8, 2001  
COMPLETED BY J. W. Minor  
TELEPHONE 616-465-5901

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

**December 2000**

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
12/1/2000	1096	12/16/2000	1091
12/2/2000	1063	12/17/2000	1091
12/3/2000	1088	12/18/2000	1094
12/4/2000	1083	12/19/2000	1094
12/5/2000	1095	12/20/2000	1093
12/6/2000	1091	12/21/2000	1095
12/7/2000	1092	12/22/2000	1109
12/8/2000	1086	12/23/2000	1092
12/9/2000	1086	12/24/2000	1086
12/10/2000	1091	12/25/2000	1095
12/11/2000	1097	12/26/2000	1096
12/12/2000	1090	12/27/2000	1091
12/13/2000	1094	12/28/2000	1092
12/14/2000	1092	12/29/2000	1090
12/15/2000	1084	12/30/2000	1083
		12/31/2000	1093

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 PAGE 1 of 1

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**3 METHOD:**  
 1: Manual  
 2: Manual Scram  
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 for preparation of data  
 entry sheets for Licensee  
 Event Report (LER) File  
 (NUREG 0161)

**5 COMPONENT:**  
 Exhibit I: Same Source