

Indiana Michigan  
Power Company  
500 Circle Drive  
Buchanan, MI 49107 1373



September 14, 2001

C0901-01

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 August 2001 is submitted.

Sincerely,

A handwritten signature in black ink, appearing to read "S.K. Greenlee".

Scot A. Greenlee  
Director, Design Engineering and Regulatory Affairs

/pae

Attachments

TE24

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 September 13, 2001  
 COMPLETED BY RAF Harris  
 TELEPHONE 616-465-5901

**OPERATING STATUS**

1. Unit Name D. C. Cook Unit 1  
 2. Reporting Period Aug - 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 Mo.	Yr. to Date	Cumm.
11. Hours in Reporting Period	744.0	5831.0	233759.0
12. No. of Hrs. Reactor Was Critical	651.1	5658.7	157275.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	650.8	5609.4	154672.8
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Thermal Energy Gen. (MWH)	2028694.2	17709533.4	458361739.4
17. Gross Electrical Energy Gen. (MWH)	633800.0	5754480.0	148906580.0
18. Net Electrical Energy Gen. (MWH)	610670.1	5556764.8	143284207.8
19. Unit Service Factor	87.5	96.2	66.6
20. Unit Availability Factor	87.5	96.2	66.6
21. Unit Capacity Factor (MDC Net)	82.1	95.3	61.0
22. Unit Capacity Factor (DER Net)	80.5	93.4	59.4
23. Unit Forced Outage Rate	0.0	2.2	20.0

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: September 2001

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	September 5, 2001
COMPLETED BY	RAF Harris
TELEPHONE	616-465-5901

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

**August 2001**

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
8/1/2001	1041	8/17/2001	972
8/2/2001	938	8/18/2001	969
8/3/2001	980	8/19/2001	956
8/4/2001	985	8/20/2001	981
8/5/2001	993	8/21/2001	982
8/6/2001	962	8/22/2001	945
8/7/2001	940	8/23/2001	952
8/8/2001	903	8/24/2001	930
8/9/2001	882	8/25/2001	788
8/10/2001	940	8/26/2001	784
8/11/2001	1015	8/27/2001	628
8/12/2001	1010	8/28/2001	2
8/13/2001	998	8/29/2001	0
8/14/2001	1003	8/30/2001	0
8/15/2001	987	8/31/2001	0
8/16/2001	980		

DOCKET NO. 50 - 315  
 UNIT NAME D.C. Cook Unit 1  
 DATE September 13, 2001  
 COMPLETED BY IN Jackiw  
 TELEPHONE 616-465-5901  
 PAGE 1 of 1

**UNIT SHUTDOWNS AND POWER REDUCTIONS – August 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
1	082701	S	93.2	B	1	n/a	n/a	n/a	Unit 1 shutdown for planned maintenance activities.

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 September 5, 2001  
 COMPLETED BY RAF Harris  
 TELEPHONE 616-465-5901

## OPERATING STATUS

1. Unit Name D. C. Cook Unit 2  
 2. Reporting Period Aug - 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

Notes:

8. If Changes Occur in Capacity Ratings (Items no. 3 through 7) Since Last Report Give Reasons: \_\_\_\_\_

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9. Power Level to Which Restricted, If Any (Net MWe): \_\_\_\_\_

10. Reasons For Restrictions, If Any: \_\_\_\_\_

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	This Mo.	Yr. to Date	Cumm.
11. Hours in Reporting Period	744.0	5831.0	207905.0
12. No. of Hrs. Reactor Was Critical	709.8	5712.3	132096.8
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	709.6	5698.6	128409.0
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Gen. (MWH)	2385091.3	18944410.2	400235021.5
17. Gross Electrical Energy Gen. (MWH)	745450.0	6141640.0	129677140.0
18. Net Electrical Energy Gen. (MWH)	719946.8	5938944.8	124986572.8
19. Unit Service Factor	95.4	97.7	62.4
20. Unit Availability Factor	95.4	97.7	62.4
21. Unit Capacity Factor (MDC Net)	91.3	96.1	57.3
22. Unit Capacity Factor (DER Net)	88.8	93.4	55.8
23. Unit Forced Outage Rate	4.6	2.3	24.5

24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration): \_\_\_\_\_  
 Refueling outage 13 is scheduled to begin during the first quarter of 2002. The proposed length of the outage is 30 days.

25. If Shut Down At End of Report Period, Estimated Date of Startup: October 2001

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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	September 5, 2001
COMPLETED BY	RAF Harris
TELEPHONE	616-465-5901

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

**August 2001**

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
8/1/2001	1040	8/17/2001	1037
8/2/2001	1028	8/18/2001	1031
8/3/2001	1025	8/19/2001	1036
8/4/2001	1041	8/20/2001	1037
8/5/2001	1037	8/21/2001	1029
8/6/2001	1027	8/22/2001	1026
8/7/2001	1022	8/23/2001	964
8/8/2001	1012	8/24/2001	975
8/9/2001	1015	8/25/2001	1020
8/10/2001	876	8/26/2001	1019
8/11/2001	1009	8/27/2001	1019
8/12/2001	1044	8/28/2001	1019
8/13/2001	1025	8/29/2001	1028
8/14/2001	1048	8/30/2001	418
8/15/2001	1052	8/31/2001	0
8/16/2001	1037		

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 PAGE 1 of 1

**UNIT SHUTDOWNS AND POWER REDUCTIONS – August 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
337	083001	F	34.4	A	1	2001-003	BI	KE	Unit 2 shutdown due to degraded ESW performance that affected both Emergency Diesel Generators and other components serviced by the ESW system. Corrective actions are under development.

1 TYPE:  
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 S: Scheduled

2 REASON:  
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 E: Operator Training and License Examination  
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