

Indiana Michigan  
Power Company  
500 Circle Drive  
Buchanan, MI 49107 1395



October 12, 2001

C1001-01

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  
September 2001 is submitted.

Sincerely,

A handwritten signature in black ink, appearing to read 'Scot A. Greenlee'.

Scot A. Greenlee  
Director, Design Engineering and Regulatory Affairs

/pae

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 October 9, 2001  
 COMPLETED BY RAF Harris  
 TELEPHONE 616-465-5901

**OPERATING STATUS**

1. Unit Name D. C. Cook Unit 1  
 2. Reporting Period Sept - 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	720.0	6551.0	234479.0
12. No. of Hrs. Reactor Was Critical	37.3	5696.0	157312.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	23.6	5633.0	154696.4
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Thermal Energy Gen. (MWH)	28633.8	17738167.2	458390373.2
17. Gross Electrical Energy Gen. (MWH)	7610.0	5762090.0	148914190.0
18. Net Electrical Energy Gen. (MWH)	6834.2	5563599.0	143291042.0
19. Unit Service Factor	3.3	86.0	66.4
20. Unit Availability Factor	3.3	86.0	66.4
21. Unit Capacity Factor (MDC Net)	0.9	84.9	60.8
22. Unit Capacity Factor (DER Net)	0.9	83.3	59.3
23. Unit Forced Outage Rate	94.9	9.2	20.1

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 - 315
UNIT NAME	D.C. Cook Unit 1
DATE	October 9, 2001
COMPLETED BY	RAF Harris
TELEPHONE	616-465-5901

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

**September 2001**

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
9/1/2001	0	9/17/2001	0
9/2/2001	0	9/18/2001	0
9/3/2001	0	9/19/2001	0
9/4/2001	0	9/20/2001	0
9/5/2001	0	9/21/2001	0
9/6/2001	0	9/22/2001	0
9/7/2001	0	9/23/2001	0
9/8/2001	0	9/24/2001	0
9/9/2001	0	9/25/2001	0
9/10/2001	0	9/26/2001	0
9/11/2001	0	9/27/2001	0
9/12/2001	0	9/28/2001	0
9/13/2001	0	9/29/2001	0
9/14/2001	0	9/30/2001	285
9/15/2001	0		
9/16/2001	0		

DOCKET NO. 50 - 315  
 UNIT NAME D.C. Cook Unit 1  
 DATE October 9, 2001  
 COMPLETED BY IN Jackiw  
 TELEPHONE 616-465-5901  
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**UNIT SHUTDOWNS AND POWER REDUCTIONS – September 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
335	010827	S	256.4	B	1	n/a	n/a	n/a	Unit 1 shutdown for scheduled maintenance activities to repair a circulating water valve on 8/27/01. The unit switched from the scheduled outage status to a forced outage status when the valve repair was completed on 9/11/01. This change to a forced outage status was due to degraded ESW performance that affected components in both units. The unit was returned to normal operation on 9/30/01.
336	010911	F	440.0	A	4	2001-003	BI	KE	

**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 October 9, 2001  
 COMPLETED BY RAF Harris  
 TELEPHONE 616-465-5901

**OPERATING STATUS**

1. Unit Name D. C. Cook Unit 2  
 2. Reporting Period Sept - 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: \_\_\_\_\_  
 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	720.0	6551.0	208625.0
12. No. of Hrs. Reactor Was Critical	0.0	5712.3	132096.8
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	0.0	5698.6	128409.0
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Gen. (MWH)	0.0	18944410.2	400235021.5
17. Gross Electrical Energy Gen. (MWH)	0.0	6141640.0	129677140.0
18. Net Electrical Energy Gen. (MWH)	0.0	5938944.8	124986572.8
19. Unit Service Factor	0.0	87.0	62.2
20. Unit Availability Factor	0.0	87.0	62.2
21. Unit Capacity Factor (MDC Net)	0.0	85.5	57.1
22. Unit Capacity Factor (DER Net)	0.0	83.2	55.6
23. Unit Forced Outage Rate	100.0	13.0	24.8

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

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	October 9, 2001
COMPLETED BY	RAF Harris
TELEPHONE	616-465-5901

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

**September 2001**

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
9/1/2001	0	9/17/2001	0
9/2/2001	0	9/18/2001	0
9/3/2001	0	9/19/2001	0
9/4/2001	0	9/20/2001	0
9/5/2001	0	9/21/2001	0
9/6/2001	0	9/22/2001	0
9/7/2001	0	9/23/2001	0
9/8/2001	0	9/24/2001	0
9/9/2001	0	9/25/2001	0
9/10/2001	0	9/26/2001	0
9/11/2001	0	9/27/2001	0
9/12/2001	0	9/28/2001	0
9/13/2001	0	9/29/2001	0
9/14/2001	0	9/30/2001	0
9/15/2001	0		
9/16/2001	0		

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337	010830	F	720:0	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. The outage continued from August 2001.

1 TYPE:  
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 S: Scheduled

2 REASON:  
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 D: Regulatory Restriction  
 E: Operator Training and License Examination  
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