

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



April 12, 2002

AEP:NRC:2691-09

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  
March 2002 is submitted.

Sincerely,

A handwritten signature in black ink, appearing to read 'SAG', with a small flourish at the end.

Scot A. Greenlee  
Director, Nuclear Technical Services

TKW/pae

Attachments

IE 24

c: ANI Nuclear Engineering Department  
G. P Arent  
A. C. Bakken, III  
L. Brandon - Department of Health  
G. T. Gaffney – Canton  
S. A. Greenlee  
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

**N.R.C. OPERATING DATA REPORT**

DOCKET NO. 50-315  
 DATE 4/5/02  
 COMPLETED BY RAF Harris  
 TELEPHONE 616-465-5901

**OPERATING STATUS**

- 1. Unit Name D. C. Cook Unit 1
- 2. Reporting Period Mar-02
- 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. \_\_\_\_\_

	This Mo.	Yr. to Date	Cumm.
11. Hours in Reporting Period	744.0	2160.0	238848.0
12. No. of Hrs. Reactor Was Critical	744.0	2160.0	161681.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	744.0	2160.0	159065.4
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	2415917.4	6969222.0	472474529.0
17. Gross Elect. Energy Gen. (MWH)	792520.0	2283380.0	153516200.0
18. Net Elect. Energy Gen. (MWH)	767525.0	2210665.0	147744959.0
19. Unit Service Factor	100.0	100.0	67.1
20. Unit Availability Factor	100.0	100.0	67.1
21. Unit Capacity Factor (MDC Net)	103.2	102.3	63.3
22. Unit Capacity Factor (DER Net)	101.1	100.3	62.1
23. Unit Forced Outage Rate	0.0	0.0	19.7

24. Shutdowns Scheduled over Next Six Months (Type,Date,and Duration): \_\_\_\_\_  
Refueling outage 18 is scheduled to begin during the 2nd quarter of 2002. The proposed length of the outage is 35 days.

25. If Shut Down At End of Report Period, Est'd 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)**

DOCKET NO. 50-315  
UNIT ONE  
DATE 05-Apr-02  
COMPLETED BY RAF Harris  
TELEPHONE 616-465-5901

MONTH Mar-02

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
3/1/02	1017	3/17/02	1035
3/2/02	1020	3/18/02	1033
3/3/02	1032	3/19/02	1032
3/4/02	1035	3/20/02	1035
3/5/02	1033	3/21/02	1032
3/6/02	1029	3/22/02	1029
3/7/02	1031	3/23/02	1034
3/8/02	1032	3/24/02	1034
3/9/02	1033	3/25/02	1041
3/10/02	1033	3/26/02	1028
3/11/02	1037	3/27/02	1035
3/12/02	1029	3/28/02	1030
3/13/02	1039	3/29/02	1040
3/14/02	1027	3/30/02	1022
3/15/02	1032	3/31/02	1030
3/16/02	1033		

DOCKET NO. 50 - 315  
 UNIT NAME D.C. Cook Unit 1  
 DATE April 11, 2002  
 COMPLETED BY TK Woods  
 TELEPHONE 616-466-2430  
 PAGE 1 of 1

**UNIT SHUTDOWNS AND POWER REDUCTIONS – March 2002**

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

**N.R.C. OPERATING DATA REPORT**

DOCKET NO. 50-316  
 DATE 4/5/02  
 COMPLETED BY RAF Harris  
 TELEPHONE 616-465-5901

**OPERATING STATUS**

- 1. Unit Name D. C. Cook Unit 2
- 2. Reporting Period Mar-02
- 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. \_\_\_\_\_

	This Mo.	Yr. to Date	Cumm.
11. Hours in Reporting Period	744.0	2160.0	212994.0
12. No. of Hrs. Reactor Was Critical	744.0	1261.5	135366.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	734.7	1185.3	131587.2
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	2367007.5	3710616.8	410537966.1
17. Gross Elect. Energy Gen. (MWH)	779420.0	1213960.0	133040470.0
18. Net Elect. Energy Gen. (MWH)	754705.0	1173914.7	128238968.6
19. Unit Service Factor	98.8	54.9	62.4
20. Unit Availability Factor	98.8	54.9	62.4
21. Unit Capacity Factor (MDC Net)	95.7	51.3	58.0
22. Unit Capacity Factor (DER Net)	93.1	49.9	56.4
23. Unit Forced Outage Rate	1.3	0.8	24.5
24. Shutdowns Scheduled over Next Six Months (Type,Date,and Duration):	_____		

- 25. If Shut Down At End of Report Period, Est'ed 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)**

DOCKET NO. 50-316  
UNIT TWO  
DATE 5-Apr-02  
COMPLETED BY RAF Harris  
TELEPHONE 616-465-5901

MONTH Mar-02

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
3/1/02	141	3/17/02	1100
3/2/02	416	3/18/02	1101
3/3/02	598	3/19/02	1105
3/4/02	908	3/20/02	1099
3/5/02	1022	3/21/02	1101
3/6/02	1084	3/22/02	1105
3/7/02	1102	3/23/02	1024
3/8/02	1098	3/24/02	1027
3/9/02	1097	3/25/02	1106
3/10/02	1100	3/26/02	1104
3/11/02	1104	3/27/02	1099
3/12/02	1100	3/28/02	1107
3/13/02	1058	3/29/02	1098
3/14/02	1065	3/30/02	1106
3/15/02	1072	3/31/02	1103
3/16/02	1095		

DOCKET NO. 50 - 316  
 UNIT NAME D.C. Cook Unit 2  
 DATE April 11, 2002  
 COMPLETED BY TK Woods  
 TELEPHONE 616-466-2430  
 PAGE 1 of 1

**UNIT SHUTDOWNS AND POWER REDUCTIONS – March 2002**

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
341	020228	F	9.3	A	4				From Feb 28,2002 @ 23:13 hours to March 1, 2002 @ 09:16 hours, the generator was taken off-line and the reactor entered Mode 2 to make adjustments to SG stop valve 2-MRV-220.

**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