

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



February 14, 2003

AEP:NRC:2691-27

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  
January 2003 is submitted.

Sincerely,

A handwritten signature in black ink, appearing to read "Scot A. Greenlee", with a large, stylized flourish at the end.

Scot A. Greenlee  
Director, Nuclear Technical Services

BWO/jen

Attachments

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IE24

c: ANI Nuclear Engineering Department  
A. C. Bakken, III  
L. Brandon - Department of Health  
M. J. Finissi  
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  
K. L. Matheny  
B. A. McIntyre  
NRC Project Manager – NRR  
NRC Region III  
NRC Resident Inspector  
D. W. Paul – Columbus  
J. E. Pollock  
W. H. Schalk

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

DOCKET NO. 50-315

DATE 2/4/03

COMPLETED BY RAF Harris

TELEPHONE 269-465-5901

**OPERATING STATUS**

- 1. Unit Name D. C. Cook Unit 1
- 2. Reporting Period Jan-03
- 3. Licensed Thermal Power (MWt) 3304
- 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:  
 Licensed Thermal Power rating changed from 3250 MWt to 3304 MWt on Jan 3, 2003 @ 17:59 hours.  
 Electrical Ratings to be adjusted following unit 2 thermal power rating change and additional testing.

8. If Changes Occur in Capacity Ratings (Items no. 3 through 7) Since Last Report Give Reasons  
Licensed Thermal Power rating changed from 3250 MWt to 3304 MWt on Jan 3, 2003 @ 17:59 hours.  
Electrical Ratings to be adjusted following unit 2 thermal power rating change and additional testing.

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	744.0	246192.0
12. No. of Hrs. Reactor Was Critical	356.2	356.2	167704.8
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	356.2	356.2	165045.1
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	1165632.3	1165632.3	491434706.9
17. Gross Elect. Energy Gen. (MWH)	381690.0	381690.0	159624120.0
18. Net Elect. Energy Gen. (MWH)	369158.7	369158.7	153644355.2
19. Unit Service Factor	47.9	47.9	67.5
20. Unit Availability Factor	47.9	47.9	67.5
21. Unit Capacity Factor (MDC Net)	49.6	49.6	63.9
22. Unit Capacity Factor (DER Net)	48.6	48.6	62.6
23. Unit Forced Outage Rate	52.1	52.1	19.3
24. Shutdowns Scheduled over Next Six Months (Type,Date,and Duration):	_____		

25. If Shut Down At End of Report Period, Est'd Date of Startup: \_\_\_\_\_

The Unit entered Mode 1 on February 4, 2003.

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 04-Feb-03  
COMPLETED BY RAF Harris  
TELEPHONE 269-465-5901

MONTH Jan-03

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1/1/03	1030	1/17/03	0
1/2/03	1034	1/18/03	0
1/3/03	1034	1/19/03	0
1/4/03	1030	1/20/03	0
1/5/03	1036	1/21/03	0
1/6/03	1023	1/22/03	0
1/7/03	1035	1/23/03	0
1/8/03	1029	1/24/03	0
1/9/03	1046	1/25/03	0
1/10/03	1041	1/26/03	0
1/11/03	1040	1/27/03	0
1/12/03	1046	1/28/03	0
1/13/03	1040	1/29/03	0
1/14/03	1045	1/30/03	0
1/15/03	871	1/31/03	0
1/16/03	0		

DOCKET NO. 50 - 315  
 UNIT NAME D.C. Cook Unit 1  
 DATE February 6, 2003  
 COMPLETED BY B. O'Rourke  
 TELEPHONE 269-465-5901  
 PAGE 1 of 1

**UNIT SHUTDOWNS AND POWER REDUCTIONS -- January 2003**

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
347	030115	F	387.8	A	3	315/2003-001	EL	XFMR	The unit was shutdown due to a fault and subsequent fire in the Unit 1 main transformer. The cause of the fault is under investigation. The main transformer has been replaced. Actions to prevent recurrence will be identified once the cause of the transformer fault is known.

**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 2/4/03  
 COMPLETED BY RAF Harris  
 TELEPHONE 269-465-5901

**OPERATING STATUS**

1. Unit Name D. C. Cook Unit 2

2. Reporting Period Jan-03

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:
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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	744.0	220338.0
12. No. of Hrs. Reactor Was Critical	665.2	665.2	142233.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	654.3	654.3	138394.8
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	2184958.3	2184958.3	433408655.6
17. Gross Elect. Energy Gen. (MWH)	723090.0	723090.0	140496790.0
18. Net Elect. Energy Gen. (MWH)	700625.9	700625.9	135453365.2
19. Unit Service Factor	87.9	87.9	63.5
20. Unit Availability Factor	87.9	87.9	63.5
21. Unit Capacity Factor (MDC Net)	88.8	88.8	59.2
22. Unit Capacity Factor (DER Net)	86.4	86.4	57.5
23. Unit Forced Outage Rate	12.1	12.1	23.8

24. Shutdowns Scheduled over Next Six Months (Type,Date,and Duration):

Refueling outage scheduled for April 2003

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 4-Feb-03  
COMPLETED BY RAF Harris  
TELEPHONE 269-465-5901

MONTH Jan-03

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1/1/03	1099	1/17/03	1096
1/2/03	1109	1/18/03	1097
1/3/03	1106	1/19/03	1105
1/4/03	1107	1/20/03	1100
1/5/03	1102	1/21/03	1099
1/6/03	1094	1/22/03	1098
1/7/03	1103	1/23/03	1098
1/8/03	1104	1/24/03	1097
1/9/03	1109	1/25/03	1107
1/10/03	1094	1/26/03	110
1/11/03	1111	1/27/03	0
1/12/03	1096	1/28/03	0
1/13/03	1106	1/29/03	4
1/14/03	1111	1/30/03	486
1/15/03	1093	1/31/03	1054
1/16/03	1098		

DOCKET NO. 50 - 316  
 UNIT NAME D.C. Cook Unit 2  
 DATE February 6, 2003  
 COMPLETED BY B. O'Rourke  
 TELEPHONE 269-465-5901  
 PAGE 1 of 1

**UNIT SHUTDOWNS AND POWER REDUCTIONS – January 2003**

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
209	030126	F	89.7	A	1	316/2003-001	EK	65	The unit was shutdown in accordance with Technical Specifications when the CD EDG could not be returned to service within the allowed outage time following scheduled maintenance due to failure of the electronic governor. The cause of the governor failure is under investigation. Actions to prevent recurrence will be identified once the cause of the fault is known.

**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  
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**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