

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



April 14, 2004

AEP:NRC:2691-41

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 2004 is submitted.

There are no new commitments associated with this submittal.

Should you have any questions, please contact Mr. Toby K. Woods, Compliance Supervisor, at (269) 466-2798.

Sincerely,

A handwritten signature in black ink, appearing to read "John A. Zwolinski".

John A. Zwolinski  
Director of Design Engineering and Regulatory Affairs

JEN/jen

Attachment

IE24

c: R. Aben – Department of Labor and Economic Growth  
ANI Nuclear Engineering Department  
L. Brandon – MDEQ - WHMD/HWRPS  
M. J. Finissi  
G. T. Gaffney – Canton  
INPO Records Center  
J. N. Jensen  
J. T. King - MPSC  
B. Lewis – McGraw-Hill Companies  
D. H. Malin  
K. L. Matheny  
M. K. Nazar  
NRC Project Manager – NRR  
NRC Region III  
NRC Resident Inspector  
D. W. Paul – Columbus  
T. C. Pham  
W. H. Schalk  
J. A. Zwolinski

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

DOCKET NO. 50-315

DATE 4/2/2004

COMPLETED BY T.Pham

TELEPHONE 269-465-5901

**OPERATING STATUS**

- |                                                                                                |                   |        |
|------------------------------------------------------------------------------------------------|-------------------|--------|
| 1. Unit Name                                                                                   | D. C. Cook Unit 1 | Notes: |
| 2. Reporting Period                                                                            | Mar-04            |        |
| 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              |        |
| 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. \_\_\_\_\_

	This Mo.	Yr. to Date	Cumm.
11. Hours in Reporting Period	744.0	2184.0	256392.0
12. No. of Hrs. Reactor Was Critical	700.5	2140.5	176041.8
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	700.5	2140.5	173320.1
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	2294731.1	7048312.2	518416839.7
17. Gross Elect. Energy Gen. (MWH)	746270.0	2293460.0	168335263.0
18. Net Elect. Energy Gen. (MWH)	721710.4	2218078.4	162063362.3
19. Unit Service Factor	94.2	98.0	68.1
20. Unit Availability Factor	94.2	98.0	68.1
21. Unit Capacity Factor (MDC Net)	97.0	101.6	64.6
22. Unit Capacity Factor (DER Net)	95.1	99.6	63.4
23. Unit Forced Outage Rate	0.0	0.0	18.9
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: Week of April 5, 2004

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 02-Apr-04  
COMPLETED BY T.Pham  
TELEPHONE 269-465-5901

MONTH Mar-04

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
3/1/2004	1036	3/17/2004	1040
3/2/2004	1039	3/18/2004	1042
3/3/2004	1040	3/19/2004	1052
3/4/2004	1039	3/20/2004	1025
3/5/2004	1044	3/21/2004	1042
3/6/2004	1038	3/22/2004	1018
3/7/2004	1037	3/23/2004	1039
3/8/2004	1040	3/24/2004	1039
3/9/2004	1040	3/25/2004	1040
3/10/2004	1041	3/26/2004	1037
3/11/2004	1042	3/27/2004	1041
3/12/2004	1038	3/28/2004	1040
3/13/2004	1036	3/29/2004	944
3/14/2004	1045	3/30/2004	33
3/15/2004	1042	3/31/2004	0
3/16/2004	1042		

DOCKET NO. 50 - 315  
 UNIT NAME D.C. Cook Unit 1  
 DATE April 2, 2004  
 COMPLETED BY J. Newmiller  
 TELEPHONE 269-465-5901  
 PAGE 1 of 1

**UNIT SHUTDOWNS AND POWER REDUCTIONS – March 2004**

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
350	040330	S	43.5	B	1	N/A	AB	PZR	Unit 1 Reactor was manually shut down to repair a small steam leak at the pressurizer upper manway.

**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 4/2/2004  
 COMPLETED BY T.Pham  
 TELEPHONE 269-465-5901

**OPERATING STATUS**

- 1. Unit Name D. C. Cook Unit 2
- 2. Reporting Period Mar-04
- 3. Licensed Thermal Power (MWt) 3468
- 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	2184.0	230538.0
12. No. of Hrs. Reactor Was Critical	686.1	2052.7	150336.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	686.1	2047.2	146401.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	2377788.4	7067478.8	460743338.3
17. Gross Elect. Energy Gen. (MWH)	789410.0	2345870.0	149459900.0
18. Net Elect. Energy Gen. (MWH)	764966.3	2272926.1	144137832.8
19. Unit Service Factor	92.2	93.7	64.1
20. Unit Availability Factor	92.2	93.7	64.1
21. Unit Capacity Factor (MDC Net)	97.0	98.2	60.1
22. Unit Capacity Factor (DER Net)	94.3	95.5	58.5
23. Unit Forced Outage Rate	7.8	6.3	23.2
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: April 2, 2004

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 2-Apr-04  
COMPLETED BY T.Pham  
TELEPHONE 269-465-5901

MONTH Mar-04

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
3/1/2004	1119	3/17/2004	1114
3/2/2004	1116	3/18/2004	1113
3/3/2004	1117	3/19/2004	1116
3/4/2004	1115	3/20/2004	1113
3/5/2004	1117	3/21/2004	1117
3/6/2004	1117	3/22/2004	1111
3/7/2004	1117	3/23/2004	1111
3/8/2004	1114	3/24/2004	1117
3/9/2004	1112	3/25/2004	1117
3/10/2004	1119	3/26/2004	1116
3/11/2004	1110	3/27/2004	1113
3/12/2004	1112	3/28/2004	1111
3/13/2004	1123	3/29/2004	653
3/14/2004	1106	3/30/2004	0
3/15/2004	1121	3/31/2004	0
3/16/2004	1115		

DOCKET NO. 50 - 316  
 UNIT NAME D.C. Cook Unit 2  
 DATE April 2, 2004  
 COMPLETED BY J. Newmiller  
 TELEPHONE 269-465-5901  
 PAGE 1 of 1

**UNIT SHUTDOWNS AND POWER REDUCTIONS – March 2004**

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
217	040329	F	57.9	H	3	316/2004-001	JG	BKR	Unit 2 Reactor automatically tripped from 100% power due to a voltage transient in the Rod Control System that occurred when the breaker racking tool made contact with energized components inside the breaker cubicle while restoring from test procedure 2-IHP-4030-STP-511, "Train B RPS and ESF Reactor Trip Breaker and SSPS Automatic Trip/Actuation Logic Functional Test".

**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