

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



December 5, 2003

AEP:NRC:2691-37

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 November 2003 is submitted.

There are no new commitments associated with this submittal.

Should you have any questions, please contact Mr. Brian D. Mann, Acting Manager of Regulatory Affairs, at (269) 697-5806.

Sincerely,

A handwritten signature in black ink, appearing to read "JAZ", written over the word "Sincerely,".

John A. Zwolinski  
Director, Design Engineering and Regulatory Affairs

JEN/jen

Attachment

JE24

c: R. Aben – Department of Consumers and Industry Services  
ANI Nuclear Engineering Department  
L. Brandon – MDEQ- WHMD/HWRPS  
M. J. Finissi  
G. T. Gaffney – Canton  
J. B. Giessner  
INPO Records Center  
J. N. Jensen  
B. Lewis – McGraw-Hill Companies  
D. H. Malin  
B. D. Mann  
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 12/3/2003

COMPLETED BY T. Pham

TELEPHONE 269-465-5901

**OPERATING STATUS**

1. Unit Name D. C. Cook Unit 1

2. Reporting Period Nov-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

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	720.0	8016.0	253464.0
12. No. of Hrs. Reactor Was Critical	125.7	5808.7	173157.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	99.1	5746.7	170435.6
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	135025.2	18653996.0	508923070.6
17. Gross Elect. Energy Gen. (MWH)	37440.0	6002323.0	165244753.0
18. Net Elect. Energy Gen. (MWH)	33916.6	5799480.4	159074676.9
19. Unit Service Factor	13.8	71.7	67.7
20. Unit Availability Factor	13.8	71.7	67.7
21. Unit Capacity Factor (MDC Net)	4.7	72.3	64.2
22. Unit Capacity Factor (DER Net)	4.6	70.9	62.9
23. Unit Forced Outage Rate	0.0	18.6	19.2
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:

26. Units in Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

Forecast

Achieved

# AVERAGE DAILY POWER LEVEL (MWe-Net)

DOCKET NO. 50-315  
UNIT ONE  
DATE 03-Dec-03  
COMPLETED BY T. Pham  
TELEPHONE 269-465-5901

MONTH Nov-03

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
11/1/2003	0	11/17/2003	0
11/2/2003	0	11/18/2003	0
11/3/2003	0	11/19/2003	0
11/4/2003	0	11/20/2003	0
11/5/2003	0	11/21/2003	0
11/6/2003	0	11/22/2003	0
11/7/2003	0	11/23/2003	0
11/8/2003	0	11/24/2003	0
11/9/2003	0	11/25/2003	0
11/10/2003	0	11/26/2003	12
11/11/2003	0	11/27/2003	146
11/12/2003	0	11/28/2003	239
11/13/2003	0	11/29/2003	398
11/14/2003	0	11/30/2003	618
11/15/2003	0		
11/16/2003	0		

DOCKET NO. 50 - 315  
UNIT NAME D.C. Cook Unit 1  
DATE December 3, 2003  
COMPLETED BY J. Newmiller  
TELEPHONE 269-465-5901  
PAGE 1 of 1

### UNIT SHUTDOWNS AND POWER REDUCTIONS -- November 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
349	031018	S	620.9	C	2	N/A	N/A	N/A	Scheduled refueling outage.

**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 12/3/2003

COMPLETED BY T. Pham

TELEPHONE 269-465-5901

**OPERATING STATUS**

1. Unit Name D. C. Cook Unit 2

2. Reporting Period Nov-03

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	720.0	8016.0	227610.0
12. No. of Hrs. Reactor Was Critical	720.0	6005.7	147573.8
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	720.0	5930.2	143670.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	2495461.8	20115598.6	451339295.9
17. Gross Elect. Energy Gen. (MWH)	823150.0	6570670.0	146344370.0
18. Net Elect. Energy Gen. (MWH)	799063.0	6365971.8	141118711.1
19. Unit Service Factor	100.0	74.0	63.8
20. Unit Availability Factor	100.0	74.0	63.8
21. Unit Capacity Factor (MDC Net)	104.7	74.9	59.6
22. Unit Capacity Factor (DER Net)	101.8	72.9	58.0
23. Unit Forced Outage Rate	0.0	13.9	23.4
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:

26. Units in Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

Forecast

Achieved

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

DOCKET NO. 50-316  
UNIT TWO  
DATE 3-Dec-03  
COMPLETED BY T. Pham  
TELEPHONE 269-465-5901

MONTH Nov-03

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
11/1/2003	1102	11/17/2003	1125
11/2/2003	1106	11/18/2003	1099
11/3/2003	1101	11/19/2003	1111
11/4/2003	1102	11/20/2003	1110
11/5/2003	1106	11/21/2003	1112
11/6/2003	1105	11/22/2003	1104
11/7/2003	1107	11/23/2003	1110
11/8/2003	1110	11/24/2003	1112
11/9/2003	1112	11/25/2003	1113
11/10/2003	1111	11/26/2003	1113
11/11/2003	1109	11/27/2003	1110
11/12/2003	1109	11/28/2003	1112
11/13/2003	1112	11/29/2003	1116
11/14/2003	1113	11/30/2003	1116
11/15/2003	1115		
11/16/2003	1115		

DOCKET NO.	50 - 316
UNIT NAME	D.C. Cook Unit 2
DATE	December 3, 2003
COMPLETED BY	J. Newmiller
TELEPHONE	269-465-5901
PAGE	1 of 1

### UNIT SHUTDOWNS AND POWER REDUCTIONS – November 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
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None

<b>1 TYPE:</b> F: Forced S: Scheduled	<b>2 REASON:</b> 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)	<b>3 METHOD:</b> 1: Manual 2: Manual Scram 3: Automatic Scram 4: Other (Explain)	<b>4 SYSTEM:</b> Exhibit G - Instructions for preparation of data entry sheets for Licensee Event Report (LER) File (NUREG 0161)	<b>5 COMPONENT:</b> Exhibit I: Same Source
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