

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



May 15, 2003

AEP:NRC:2691-30

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  
April 2003 is submitted.

Sincerely,

A handwritten signature in black ink, appearing to read 'JBG', is written over the printed name and title.

John B. Giessner  
Director, Nuclear Technical Projects

JEN/jen

Attachment

JE24

c: ANI Nuclear Engineering Department  
A. C. Bakken, III  
L. Brandon - Department of Health  
M. J. Finissi  
G. T. Gaffney – Canton  
J. B. Giessner  
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 5/2/2003

COMPLETED BY T Pham

TELEPHONE 269-465-5901

**OPERATING STATUS**

1. Unit Name D. C. Cook Unit 1

2. Reporting Period Apr-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	719.0	2879.0	248327.0
12. No. of Hrs. Reactor Was Critical	554.5	2249.7	169598.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	554.5	2228.1	166917.0
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	1834782.6	7308788.5	497577863.1
17. Gross Elect. Energy Gen. (MWH)	593030.0	2370490.0	161612920.0
18. Net Elect. Energy Gen. (MWH)	573904.4	2292419.9	155567616.4
19. Unit Service Factor	77.1	77.4	67.7
20. Unit Availability Factor	77.1	77.4	67.7
21. Unit Capacity Factor (MDC Net)	79.8	79.6	64.1
22. Unit Capacity Factor (DER Net)	78.3	78.1	62.8
23. Unit Forced Outage Rate	22.9	22.6	19.2

24. Shutdowns Scheduled over Next Six Months (Type,Date,and Duration): Refueling Outage  
currently scheduled for October, 2003 and the duration is planned for 33 days.

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

May-03

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-May-03  
COMPLETED BY T Pham  
TELEPHONE 269-465-5901

MONTH Apr-03

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
4/1/2003	1035	4/17/2003	1031
4/2/2003	1040	4/18/2003	1043
4/3/2003	1037	4/19/2003	1029
4/4/2003	1030	4/20/2003	1030
4/5/2003	1034	4/21/2003	1038
4/6/2003	1035	4/22/2003	1029
4/7/2003	1034	4/23/2003	1049
4/8/2003	1034	4/24/2003	151
4/9/2003	1038	4/25/2003	0
4/10/2003	1038	4/26/2003	0
4/11/2003	1041	4/27/2003	0
4/12/2003	1029	4/28/2003	0
4/13/2003	1032	4/29/2003	0
4/14/2003	1027	4/30/2003	0
4/15/2003	1041		
4/16/2003	1031		

DOCKET NO.	50 - 315
UNIT NAME	D.C. Cook Unit 1
DATE	May 8, 2003
COMPLETED BY	J. Newmiller
TELEPHONE	269-465-5901
PAGE	1 of 1

### UNIT SHUTDOWNS AND POWER REDUCTIONS – April 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
348	030424	F	164.5	H	2	315/2003-003	n/a	n/a	A large influx of alewives caused a high DP on the traveling screens. The unit was manually tripped due to degraded circulating water conditions. The investigation is ongoing.

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 5/2/2003

COMPLETED BY T Pham

TELEPHONE 269-465-5901

## **OPERATING STATUS**

1. Unit Name D. C. Cook Unit 2

2. Reporting Period Apr-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:

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	719.0	2879.0	222473.0
12. No. of Hrs. Reactor Was Critical	554.5	2439.1	144007.2
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	554.5	2403.6	140144.1
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	1896854.4	8112296.7	439335993.9
17. Gross Elect. Energy Gen. (MWH)	624660.0	2685240.0	142458940.0
18. Net Elect. Energy Gen. (MWH)	606109.8	2603597.6	137356336.9
19. Unit Service Factor	77.1	83.5	63.6
20. Unit Availability Factor	77.1	83.5	63.6
21. Unit Capacity Factor (MDC Net)	79.5	85.3	59.4
22. Unit Capacity Factor (DER Net)	77.3	83.0	57.8
23. Unit Forced Outage Rate	22.9	16.5	23.7

24. Shutdowns Scheduled over Next Six Months (Type,Date,and Duration): Refueling Outage  
began on May 5, 2003 scheduled for 33 days.

25. If Shut Down At End of Report Period, Est'd Date of Startup: June, 2003

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 2-May-03  
COMPLETED BY T Pham  
TELEPHONE 269-465-5901

MONTH Apr-03

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
4/1/2003	1107	4/17/2003	1082
4/2/2003	1095	4/18/2003	1089
4/3/2003	1102	4/19/2003	1066
4/4/2003	1097	4/20/2003	1082
4/5/2003	1099	4/21/2003	1087
4/6/2003	1101	4/22/2003	1089
4/7/2003	1095	4/23/2003	1087
4/8/2003	1099	4/24/2003	162
4/9/2003	1101	4/25/2003	0
4/10/2003	1096	4/26/2003	0
4/11/2003	1094	4/27/2003	0
4/12/2003	1100	4/28/2003	0
4/13/2003	1093	4/29/2003	0
4/14/2003	1098	4/30/2003	0
4/15/2003	1094		
4/16/2003	1086		

DOCKET NO.	50 - 316
UNIT NAME	D.C. Cook Unit 2
DATE	May 8, 2003
COMPLETED BY	J. Newmiller
TELEPHONE	269-465-5901
PAGE	1 of 1

### UNIT SHUTDOWNS AND POWER REDUCTIONS – April 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
212	030424	F	164.5	H	2	315-2003/003	n/a	n/a	A large influx of alewives caused a high DP on the traveling screens. The unit was manually tripped due to degraded circulating water conditions. The investigation is ongoing.

#### 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