

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



May 14, 2004

AEP:NRC:2691-42

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 2004 is submitted.

Additionally, the Unit 1 and Unit 2 NRC Operating Data Report and the Unit 1 and Unit 2 Average Daily Power Level for March 2004 are being resubmitted. These revisions reflect adjustments to gross and auxiliary generation due to the Unit 1 Watt-hour meter being removed from service on March 22, 2004, and the Unit 2 Watt-hour meter being removed from service on March 23, 2004, for calibration. These adjustments were made prior to preparing the April 2004 NRC Monthly Operating Report.

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 "J. A. Zwolinski", is written over the typed name.

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
D. P. Fadel
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 5/11/2004

COMPLETED BY T.Pham

TELEPHONE 269-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 1

2. Reporting Period Apr-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

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	2904.0	257112.0
12. No. of Hrs. Reactor Was Critical	578.4	2718.9	176620.2
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	567.4	2707.9	173887.5
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	1845543.0	8893855.2	520262382.7
17. Gross Elect. Energy Gen. (MWH)	597300.0	2891280.0	168933083.0
18. Net Elect. Energy Gen. (MWH)	577581.4	2796174.8	162641458.7
19. Unit Service Factor	78.8	93.2	68.1
20. Unit Availability Factor	78.8	93.2	68.1
21. Unit Capacity Factor (MDC Net)	80.2	96.3	64.7
22. Unit Capacity Factor (DER Net)	78.6	94.4	63.4
23. Unit Forced Outage Rate	0.0	0.0	18.8
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 11-May-04
COMPLETED BY T.Pham
TELEPHONE 269-465-5901

MONTH Apr-04

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
4/1/2004	0	4/17/2004	1048
4/2/2004	0	4/18/2004	1033
4/3/2004	0	4/19/2004	1035
4/4/2004	0	4/20/2004	1040
4/5/2004	0	4/21/2004	1043
4/6/2004	0	4/22/2004	1030
4/7/2004	307	4/23/2004	1032
4/8/2004	965	4/24/2004	1035
4/9/2004	1034	4/25/2004	1036
4/10/2004	1064	4/26/2004	1036
4/11/2004	1009	4/27/2004	1037
4/12/2004	1034	4/28/2004	1035
4/13/2004	1035	4/29/2004	1034
4/14/2004	1049	4/30/2004	1036
4/15/2004	1021		
4/16/2004	1038		

DOCKET NO. 50 - 315
 UNIT NAME D.C. Cook Unit 1
 DATE May 11, 2004
 COMPLETED BY J. Newmiller
 TELEPHONE 269-465-5901
 PAGE 1 of 1

UNIT SHUTDOWNS AND POWER REDUCTIONS – April 2004

NO.	DATE	TYPE ¹	DURATION HOURS	REASON ²	METHOD OF SHUTTING DOWN REACTOR ³	LICENSEE EVENT REPORT NO.	SYSTEM CODE ⁴	COMPONENT CODE ⁵	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
350	040330	S	152.6	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 5/11/2004

COMPLETED BY T.Pham

TELEPHONE 269-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 2

2. Reporting Period Apr-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	720.0	2904.0	231258.0
12. No. of Hrs. Reactor Was Critical	596.3	2649.0	150932.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	568.0	2615.2	146969.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	1794298.8	8861777.6	462537637.1
17. Gross Elect. Energy Gen. (MWH)	579490.0	2925498.0	150039528.0
18. Net Elect. Energy Gen. (MWH)	559156.4	2832217.5	144697124.2
19. Unit Service Factor	78.9	90.1	64.2
20. Unit Availability Factor	78.9	90.1	64.2
21. Unit Capacity Factor (MDC Net)	73.3	92.0	60.2
22. Unit Capacity Factor (DER Net)	71.2	89.5	58.5
23. Unit Forced Outage Rate	21.1	9.9	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:

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 11-May-04
COMPLETED BY T.Pham
TELEPHONE 269-465-5901

MONTH Apr-04

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
4/1/2004	0	4/17/2004	1114
4/2/2004	0	4/18/2004	1110
4/3/2004	240	4/19/2004	1107
4/4/2004	833	4/20/2004	1120
4/5/2004	881	4/21/2004	1104
4/6/2004	827	4/22/2004	1102
4/7/2004	859	4/23/2004	1113
4/8/2004	730	4/24/2004	1107
4/9/2004	0	4/25/2004	1113
4/10/2004	0	4/26/2004	1115
4/11/2004	0	4/27/2004	1115
4/12/2004	0	4/28/2004	1099
4/13/2004	348	4/29/2004	1108
4/14/2004	862	4/30/2004	1108
4/15/2004	1090		
4/16/2004	1092		

DOCKET NO. 50 - 316
 UNIT NAME D.C. Cook Unit 2
 DATE May 11, 2004
 COMPLETED BY J. Newmiller
 TELEPHONE 269-465-5901
 PAGE 1 of 1

UNIT SHUTDOWNS AND POWER REDUCTIONS – April 2004

NO.	DATE	TYPE ¹	DURATION HOURS	REASON ²	METHOD OF SHUTTING DOWN REACTOR ³	LICENSEE EVENT REPORT NO.	SYSTEM CODE ⁴	COMPONENT CODE ⁵	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
217	040329	F	52.4	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".
218	040408	F	99.6	H	3	316/2004-002	SJ	P	During a planned power reduction, Unit 2 Reactor automatically tripped from approximately 50% power due to a turbine trip as a result of high-high water level in #24 steam generator while removing the East Main Feedpump from service.

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
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N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-315
DATE 5/11/2004
COMPLETED BY T.Pham
TELEPHONE 269-465-5901

OPERATING STATUS

- 1. Unit Name D. C. Cook Unit 1
- 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

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	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)	746790.0	2293980.0	168335783.0
18. Net Elect. Energy Gen. (MWH)	722225.4	2218593.4	162063877.3
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)	97.1	101.6	64.6
22. Unit Capacity Factor (DER Net)	95.2	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:

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

INITIAL CRITICALITY	Forecast	Achieved
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

AVERAGE DAILY POWER LEVEL (MWe-Net)

DOCKET NO. 50-315
UNIT ONE
DATE 11-May-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	1040
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		

N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-316
 DATE 5/11/2004
 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)	789548.0	2346008.0	149460038.0
18. Net Elect. Energy Gen. (MWH)	765101.3	2273061.1	144137967.8
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:

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 11-May-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	1116
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		