

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



March 14, 2003

AEP:NRC:2691-28

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
February 2003 is submitted.

Sincerely,

Joel P. Heltie
For Scot Greenlee

Scot A. Greenlee
Director, Nuclear Technical Services

BWO/jen

Attachments

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 3/5/03

COMPLETED BY RAF Harris

TELEPHONE 269-465-5901

OPERATING STATUS

- 1. Unit Name D. C. Cook Unit 1
- 2. Reporting Period Feb-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	672.0	1416.0	246864.0
12. No. of Hrs. Reactor Was Critical	595.0	951.2	168299.8
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	573.4	929.6	165618.5
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	1851712.3	3017344.5	493286419.1
17. Gross Elect. Energy Gen. (MWH)	597760.0	979450.0	160221880.0
18. Net Elect. Energy Gen. (MWH)	577591.8	946750.5	154221947.0
19. Unit Service Factor	85.3	65.6	67.6
20. Unit Availability Factor	85.3	65.6	67.6
21. Unit Capacity Factor (MDC Net)	86.0	66.9	63.9
22. Unit Capacity Factor (DER Net)	84.3	65.5	62.7
23. Unit Forced Outage Rate	14.7	34.4	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: _____

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 05-Mar-03
COMPLETED BY RAF Harris
TELEPHONE 269-465-5901

MONTH Feb-03

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
2/1/03	0	2/17/03	1040
2/2/03	0	2/18/03	1034
2/3/03	0	2/19/03	1041
2/4/03	0	2/20/03	1041
2/5/03	362	2/21/03	1037
2/6/03	886	2/22/03	1039
2/7/03	1026	2/23/03	1038
2/8/03	1036	2/24/03	1019
2/9/03	1040	2/25/03	1042
2/10/03	1037	2/26/03	1040
2/11/03	1037	2/27/03	1044
2/12/03	1040	2/28/03	1028
2/13/03	1037		
2/14/03	1047		
2/15/03	1047		
2/16/03	1031		

DOCKET NO. 50 - 315
 UNIT NAME D.C. Cook Unit 1
 DATE March 7, 2003
 COMPLETED BY B. O'Rourke
 TELEPHONE 269-465-5901
 PAGE 1 of 1

UNIT SHUTDOWNS AND POWER REDUCTIONS – February 2003

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
347	030115	F	77.0	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 3/5/03

COMPLETED BY RAF Harris

TELEPHONE 269-465-5901

OPERATING STATUS

- | | | |
|--|-------------------|--------|
| 1. Unit Name | D. C. Cook Unit 2 | Notes: |
| 2. Reporting Period | Feb-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 | | |

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	672.0	1416.0	221010.0
12. No. of Hrs. Reactor Was Critical	475.4	1140.6	142708.7
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	450.8	1105.1	138845.6
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	1493985.3	3678943.6	434902640.9
17. Gross Elect. Energy Gen. (MWH)	493750.0	1216840.0	140990540.0
18. Net Elect. Energy Gen. (MWH)	478279.9	1178905.8	135931645.1
19. Unit Service Factor	67.1	78.0	63.5
20. Unit Availability Factor	67.1	78.0	63.5
21. Unit Capacity Factor (MDC Net)	67.1	78.5	59.2
22. Unit Capacity Factor (DER Net)	65.3	76.4	57.6
23. Unit Forced Outage Rate	32.9	22.0	23.8

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

Refueling outage scheduled for May 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 5-Mar-03
COMPLETED BY RAF Harris
TELEPHONE 269-465-5901

MONTH Feb-03

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
2/1/03	1102	2/17/03	1105
2/2/03	1099	2/18/03	1099
2/3/03	1099	2/19/03	1103
2/4/03	1096	2/20/03	1100
2/5/03	960	2/21/03	1106
2/6/03	0	2/22/03	1099
2/7/03	0	2/23/03	1110
2/8/03	0	2/24/03	1089
2/9/03	0	2/25/03	1112
2/10/03	0	2/26/03	1101
2/11/03	0	2/27/03	1105
2/12/03	0	2/28/03	1100
2/13/03	0		
2/14/03	0		
2/15/03	367		
2/16/03	977		

DOCKET NO. 50 - 316
 UNIT NAME D.C. Cook Unit 2
 DATE March 7, 2003
 COMPLETED BY B. O'Rourke
 TELEPHONE 269-465-5901
 PAGE 1 of 1

UNIT SHUTDOWNS AND POWER REDUCTIONS – February 2003

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
210	030205	F	196.6	A	3	316/2003-002	SJ	JX	Unit 2 turbine/reactor trip from 100% due to a dual failure of the 24 VDC power supplies in control group 3. The cause of the power supply failure is under investigation. The power supplies have been replaced and the unit was returned to service. Actions to prevent recurrence will be identified once the cause of the failure is known.
211	030214	F	0.0	A	4	n/a	n/a	n/a	The Unit 2 turbine was manually tripped due to a high-high level in the moisture separator drain Tank (MSDT). The MSDT alternate level control valve was repaired and the generator was synchronized to the grid on February 15, 2003 at 0302 hours. The cause of the valve failure is under investigation.

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 S: Scheduled

2 REASON:
 A: Equipment Failure (Explain)
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 F: Administrative
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