

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



June 14, 2002

AEP:NRC:2691-15

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  
May 2002 is submitted.

Sincerely,

A handwritten signature in black ink, appearing to read 'SAG', with a horizontal line underneath it.

Scot A. Greenlee  
Director, Nuclear Technical Services

INJ/pae

Attachments

IE24

c: ANI Nuclear Engineering Department  
G. P Arent  
A. C. Bakken, III  
L. Brandon - Department of Health  
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  
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 6/4/02

COMPLETED BY RAF Harris

TELEPHONE 616-465-5901

**OPERATING STATUS**

1. Unit Name D. C. Cook Unit 1

2. Reporting Period May-02

3. Licensed Thermal Power (MWt) 3250

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

Notes:
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8. If Changes Occur in Capacity Ratings (Items no. 3 through 7) Since Last Report Give Reasons

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9. Power Level To Which Restricted. If Any (Net MWe) \_\_\_\_\_

10. Reasons For Restrictions. \_\_\_\_\_

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	This Mo.	Yr. to Date	Cumm.
11. Hours in Reporting Period	744.0	3623.0	240311.0
12. No. of Hrs. Reactor Was Critical	72.1	2951.1	162472.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	72.1	2940.0	159845.4
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	168456.6	9383244.0	474888551.0
17. Gross Elect. Energy Gen. (MWH)	51550.0	3057740.0	154290560.0
18. Net Elect. Energy Gen. (MWH)	49127.7	2958892.5	148493186.5
19. Unit Service Factor	9.7	81.1	67.0
20. Unit Availability Factor	9.7	81.1	67.0
21. Unit Capacity Factor (MDC Net)	6.6	81.7	63.3
22. Unit Capacity Factor (DER Net)	6.5	80.1	62.0
23. Unit Forced Outage Rate	0.0	0.4	19.6
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: Unit is Shutdown for Refueling  
Outage 18. Proposed Unit Startup Date is June 2002.

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 04-Jun-02  
COMPLETED BY RAF Harris  
TELEPHONE 616-465-5901

MONTH May-02

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
5/1/02	983	5/17/02	0
5/2/02	678	5/18/02	0
5/3/02	384	5/19/02	0
5/4/02	2	5/20/02	0
5/5/02	0	5/21/02	0
5/6/02	0	5/22/02	0
5/7/02	0	5/23/02	0
5/8/02	0	5/24/02	0
5/9/02	0	5/25/02	0
5/10/02	0	5/26/02	0
5/11/02	0	5/27/02	0
5/12/02	0	5/28/02	0
5/13/02	0	5/29/02	0
5/14/02	0	5/30/02	0
5/15/02	0	5/31/02	0
5/16/02	0		

DOCKET NO. 50 - 315  
 UNIT NAME D.C. Cook Unit 1  
 DATE June 4, 2002  
 COMPLETED BY N Jackiw  
 TELEPHONE 616-465-5901  
 PAGE 1 of 1

**UNIT SHUTDOWNS AND POWER REDUCTIONS – May 2002**

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
0204	020504	S	671.9	C	2				Scheduled Unit 1 Refueling Outage (U1C18).

**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 6/4/02  
 COMPLETED BY RAF Harris  
 TELEPHONE 616-465-5901

**OPERATING STATUS**

- 1. Unit Name D. C. Cook Unit 2
- 2. Reporting Period May-02
- 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:

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- 9. Power Level To Which Restricted. If Any (Net MWe) \_\_\_\_\_
  - 10. Reasons For Restrictions. \_\_\_\_\_
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	This Mo.	Yr. to Date	Cumm.
11. Hours in Reporting Period	744.0	3623.0	214457.0
12. No. of Hrs. Reactor Was Critical	539.6	2520.1	136625.1
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	529.6	2433.9	132835.8
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	1724694.4	7837348.3	414664697.6
17. Gross Elect. Energy Gen. (MWH)	566000.0	2574750.0	134401260.0
18. Net Elect. Energy Gen. (MWH)	547579.1	2491595.8	129556649.7
19. Unit Service Factor	71.2	67.2	62.6
20. Unit Availability Factor	71.2	67.2	62.6
21. Unit Capacity Factor (MDC Net)	69.4	64.9	58.2
22. Unit Capacity Factor (DER Net)	67.5	63.1	56.6
23. Unit Forced Outage Rate	28.8	8.4	24.4
24. Shutdowns Scheduled over Next Six Months (Type,Date,and Duration):	_____		

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25. If Shut Down At End of Report Period, Est'ed Date of Startup: Unit Startup is Proposed for June 2002.

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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 4-Jun-02  
COMPLETED BY RAF Harris  
TELEPHONE 616-465-5901

MONTH May-02

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
5/1/02	1086	5/17/02	889
5/2/02	1095	5/18/02	1076
5/3/02	1089	5/19/02	1097
5/4/02	1093	5/20/02	1089
5/5/02	1091	5/21/02	1089
5/6/02	1090	5/22/02	1090
5/7/02	1102	5/23/02	1085
5/8/02	1094	5/24/02	1086
5/9/02	1088	5/25/02	746
5/10/02	1091	5/26/02	0
5/11/02	1094	5/27/02	0
5/12/02	1008	5/28/02	0
5/13/02	0	5/29/02	0
5/14/02	0	5/30/02	0
5/15/02	52	5/31/02	0
5/16/02	497		

DOCKET NO. 50 - 316  
 UNIT NAME D.C. Cook Unit 2  
 DATE June 4, 2002  
 COMPLETED BY IN Jackiw  
 TELEPHONE 616-465-5901  
 PAGE 1 of 1

**UNIT SHUTDOWNS AND POWER REDUCTIONS – May 2002**

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
0205	020512	F	66.3	A	3		SJ	JX	Turbine/reactor trip from 100% due to a failure of a power supply in the channel 1 control group. The power supply was replaced and the unit was returned to service.
0206	020525	F	148.1	A	2		SB	ISV	Unit was shutdown due a turbine stop valve body steam leak. The unit remained shutdown through the end of the month.

**1 TYPE:**  
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 S: Scheduled

**2 REASON:**  
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 B: Maintenance or Test  
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**3 METHOD:**  
 1: Manual  
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**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