

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



March 15, 2002

AEP:NRC:2691-08

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 2002 is submitted.

Sincerely,

A handwritten signature in black ink, appearing to read 'Scot A. Greenlee', with a large, stylized loop at the end.

Scot A. Greenlee  
Director, Nuclear Technical Services

IJ/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  
R. P. Powers  
M. W. Rencheck  
W. H. Schalk

**N.R.C. OPERATING DATA REPORT**

DOCKET NO. 50-315

DATE 3/5/02

COMPLETED BY RAF Harris

TELEPHONE 616-465-5901

**OPERATING STATUS**

1. Unit Name D. C. Cook Unit 1
2. Reporting Period Feb-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
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	238104.0
12. No. of Hrs. Reactor Was Critical	672.0	1416.0	160937.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	672.0	1416.0	158321.4
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	2182252.8	4553304.6	470058611.6
17. Gross Elect. Energy Gen. (MWH)	714670.0	1490860.0	152723680.0
18. Net Elect. Energy Gen. (MWH)	692089.0	1443140.0	146977434.0
19. Unit Service Factor	100.0	100.0	67.0
20. Unit Availability Factor	100.0	100.0	67.0
21. Unit Capacity Factor (MDC Net)	103.0	101.9	63.2
22. Unit Capacity Factor (DER Net)	101.0	99.9	62.0
23. Unit Forced Outage Rate	0.0	0.0	19.8

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

Refueling outage 18 is scheduled to begin during the second quarter of 2002. The proposed length of the outage is 35 days.

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

MONTH Feb-02

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
2/1/02	1029	2/17/02	1029
2/2/02	1029	2/18/02	1032
2/3/02	1032	2/19/02	1031
2/4/02	1032	2/20/02	1036
2/5/02	1032	2/21/02	1023
2/6/02	1038	2/22/02	1025
2/7/02	1029	2/23/02	1020
2/8/02	1030	2/24/02	1025
2/9/02	1033	2/25/02	1025
2/10/02	1033	2/26/02	1028
2/11/02	1032	2/27/02	1016
2/12/02	1033	2/28/02	1029
2/13/02	1030		
2/14/02	1034		
2/15/02	1033		
2/16/02	1037		

DOCKET NO.	50 - 315
UNIT NAME	D.C. Cook Unit 1
DATE	March 11, 2002
COMPLETED BY	N Jackiw
TELEPHONE	616-465-5901
PAGE	1 of 1

### UNIT SHUTDOWNS AND POWER REDUCTIONS – February 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
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#### 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 3/5/02

COMPLETED BY RAF Harris

TELEPHONE 616-465-5901

**OPERATING STATUS**

1. Unit Name D. C. Cook Unit 2

2. Reporting Period Feb-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:

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	212250.0
12. No. of Hrs. Reactor Was Critical	85.4	517.5	134622.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	18.5	450.6	130852.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	27833.8	1343609.3	408170958.6
17. Gross Elect. Energy Gen. (MWH)	3520.0	434540.0	132261050.0
18. Net Elect. Energy Gen. (MWH)	2972.7	419209.7	127484263.6
19. Unit Service Factor	2.8	31.8	62.3
20. Unit Availability Factor	2.8	31.8	62.3
21. Unit Capacity Factor (MDC Net)	0.4	27.9	57.8
22. Unit Capacity Factor (DER Net)	0.4	27.2	56.3
23. Unit Forced Outage Rate	4.1	0.2	24.6

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: Commenced power escalation on 2/28/02.

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

MONTH Feb-02

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
2/1/02	0	2/17/02	0
2/2/02	0	2/18/02	0
2/3/02	0	2/19/02	0
2/4/02	0	2/20/02	0
2/5/02	0	2/21/02	0
2/6/02	0	2/22/02	0
2/7/02	0	2/23/02	0
2/8/02	0	2/24/02	0
2/9/02	0	2/25/02	0
2/10/02	0	2/26/02	0
2/11/02	0	2/27/02	0
2/12/02	0	2/28/02	124
2/13/02	0		
2/14/02	0		
2/15/02	0		
2/16/02	0		

DOCKET NO.	50 - 316
UNIT NAME	D.C. Cook Unit 2
DATE	March 11, 2002
COMPLETED BY	IN Jackiw
TELEPHONE	616-465-5901
PAGE	1 of 1

### UNIT SHUTDOWNS AND POWER REDUCTIONS – February 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
340	020201	S	652.7	C	2				Continuation of Unit 2 scheduled Refueling Outage (U2C13).
341	020228	F	0.8	A	4				Power reduction from approximately 28% to 2.5 % to adjust steam generator stop valve 2-MRV-220. Reactor remained in Mode 2.

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