

Indiana Michigan  
Power Company  
Cook Nuclear Plant  
500 Circle Drive  
Buchanan, MI 49107  
616-465-6301



August 10, 2001

C0801-01

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  
July 2001 is submitted.

Sincerely,

A handwritten signature in black ink, appearing to read 'Scot A. Greenlee'.

Scot A. Greenlee  
Director, Design Engineering and Regulatory Affairs

/pae

Attachments

IE24

c: ANI Nuclear Engineering Department  
A. C. Bakken, III  
L. Brandon - Department of Health  
G. T. Gaffney – Canton  
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. 50-316

DATE 8/3/01

COMPLETED BY J W Minor

TELEPHONE 616-465-5901

**OPERATING STATUS**

- |  |                   |        |
|--|-------------------|--------|
| 1. Unit Name   | D. C. Cook Unit 2 | Notes: |
| 2. Reporting Period  | Jul-01            |        |
| 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	744.0	5087.0	207161.0
12. No. of Hrs. Reactor Was Critical	744.0	5002.5	131387.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	744.0	4989.0	127699.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	2443165.6	16559318.9	397849930.2
17. Gross Elect. Energy Gen. (MWH)	779470.0	5396190.0	128931690.0
18. Net Elect. Energy Gen. (MWH)	752889.0	5218998.0	124266626.0
19. Unit Service Factor	100.0	98.1	62.3
20. Unit Availability Factor	100.0	98.1	62.3
21. Unit Capacity Factor (MDC Net)	95.5	96.8	57.1
22. Unit Capacity Factor (DER Net)	92.8	94.1	55.6
23. Unit Forced Outage Rate	0.0	1.9	24.6

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

Refueling Outage 13. proposed shutdown starts on Nov. 2, 2001, 36 days proposed length of shutdown.

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 3-Aug-01  
COMPLETED BY J W Minor  
TELEPHONE 616-465-5901

MONTH Jul-01

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
7/1/01	529	7/17/01	1042
7/2/01	570	7/18/01	1040
7/3/01	830	7/19/01	1042
7/4/01	1014	7/20/01	1047
7/5/01	1079	7/21/01	1044
7/6/01	1067	7/22/01	1027
7/7/01	1063	7/23/01	1021
7/8/01	1053	7/24/01	1013
7/9/01	1053	7/25/01	1027
7/10/01	1053	7/26/01	1064
7/11/01	1050	7/27/01	1079
7/12/01	1065	7/28/01	1075
7/13/01	1067	7/29/01	1074
7/14/01	1064	7/30/01	1061
7/15/01	1056	7/31/01	1061
7/16/01	1043		

## UNIT SHUTDOWNS AND POWER REDUCTIONS – July 2001

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
1	070101	S	0	H	4	n/a	n/a	n/a	Power reduction via boration and rod insertion for biocide treatment and Main Feedpump Limited Design Change Package (LDGP) 5017 implementation.
2	070201	F	38.4	A	4	n/a	n/a	n/a	Power reduction via boration and control rod insertion as a result of the circulating water outlet valve not closing. System taken out of service for maintenance.

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. 50-315  
 DATE 8/3/01  
 COMPLETED BY J W Minor  
 TELEPHONE 616-465-5901

**OPERATING STATUS**

- 1. Unit Name D. C. Cook Unit 1
- 2. Reporting Period Jul-01
- 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	5087.0	233015.0
12. No. of Hrs. Reactor Was Critical	744.0	5007.6	156623.9
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	705.6	4958.6	154022.0
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	2165779.2	15680839.2	456333045.2
17. Gross Elect. Energy Gen. (MWH)	689800.0	5120680.0	148272780.0
18. Net Elect. Energy Gen. (MWH)	665089.7	4946094.7	142673537.7
19. Unit Service Factor	94.8	97.5	66.6
20. Unit Availability Factor	94.8	97.5	66.6
21. Unit Capacity Factor (MDC Net)	89.4	97.2	60.9
22. Unit Capacity Factor (DER Net)	87.6	95.3	59.4
23. Unit Forced Outage Rate	5.2	2.5	20.0
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: \_\_\_\_\_

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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. 50-315  
UNIT ONE  
DATE 03-Aug-01  
COMPLETED BY J W Minor  
TELEPHONE 616-465-5901

MONTH Jul-01

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
7/1/01	504	7/17/01	998
7/2/01	57	7/18/01	992
7/3/01	0	7/19/01	998
7/4/01	332	7/20/01	995
7/5/01	840	7/21/01	1000
7/6/01	942	7/22/01	988
7/7/01	953	7/23/01	964
7/8/01	985	7/24/01	922
7/9/01	1010	7/25/01	966
7/10/01	1006	7/26/01	1024
7/11/01	1020	7/27/01	1036
7/12/01	1020	7/28/01	1023
7/13/01	1030	7/29/01	1023
7/14/01	1024	7/30/01	1023
7/15/01	1014	7/31/01	1010
7/16/01	1014		

## UNIT 2 SHUTDOWNS AND POWER REDUCTIONS – July 2001

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
1	7/01/01	S	0	H	4	n/a	n/a	n/a	Power reduction for biocide treatment.

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