

# CATEGORY 1

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 AUTH. NAME: 3 AUTHOR AFFILIATION  
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 RICHARDSON, S. A. American Electric Power Co., Inc.  
 BAKKEN, A. C. American Electric Power Co., Inc.  
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for July 1999 for DC Cook Nuclear  
 Plant, Units 2. With 990812 ltr.

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American Electric Power  
Cook Nuclear Plant  
One Cook Place  
Bridgman, MI 49106  
616 465 5901




August 12, 1999

United States Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555

Document Control Manager:

Pursuant to the requirements of Donald C. Cook Nuclear Plant Unit 2 Technical Specification 6.9.1.8, the attached Monthly Operating Report for July 1999 is submitted.

Sincerely,

  
for A. Christopher Bakken, III  
Site Vice President

ACB/bwo

Attachment

c: NRC Region III  
NRC Project Manager – NRR  
NRC Resident Inspector  
ANI Nuclear Engineering Department  
INPO Records Center

R. C. Godley  
G. T. Gaffney – Canton  
D. R. Hahn – Department of Health  
S. Hamming – Department of Labor  
G. John  
B. Lewis – McGraw-Hill Companies  
D. H. Malin  
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J. E. Pollock  
R. P. Powers  
Regulatory Licensing Manager  
M. W. Rencheck  
W. H. Schalk  
D. G. Turner

11  
IE24

9908240071 990731  
PDR ADDCK 05000316  
R PDR

# N.R.C. OPERATING DATA REPORT

DOCKET NO. 50 - 316  
 DATE August 2, 1999  
 COMPLETED BY M. M. Pratt  
 TELEPHONE 616-465-5901

## OPERATING STATUS

1. Unit Name D. C. Cook Unit 2  
 2. Reporting Period July-99  
 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

Notes:

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, If Any: \_\_\_\_\_

	This Month	Year-to-Date	Cumulative
11. Hours in Reporting Period	744.0	5832.0	189912.0
12. No. of Hrs. Reactor Was Critical	0.0	0.0	121771.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	0.0	0.0	118153.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Gen. (MWH)	0.0	0.0	366007650.4
17. Gross Electrical Energy Gen. (MWH)	0.0	0.0	118584640.0
18. Net Electrical Energy Gen. (MWH)	0.0	0.0	114257779.0
19. Unit Service Factor	0.0	0.0	63.0
20. Unit Availability Factor	0.0	0.0	63.0
21. Unit Capacity Factor (MDC Net)	0.0	0.0	57.4
22. Unit Capacity Factor (DER Net)	0.0	0.0	55.9
23. Unit Forced Outage Rate	100.0	100.0	22.5

24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration): \_\_\_\_\_  
 None

25. If Shut Down At End of Report Period, Estimated Date of Startup: \_\_\_\_\_  
 April 2000

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

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

DOCKET NO.  
UNIT NAME  
DATE  
COMPLETED BY  
TELEPHONE

50 - 316  
D.C. Cook Unit 2  
August 2, 1999  
M. M. Pratt  
616-465-5901

AVERAGE DAILY POWER LEVEL (MWe-Net)

July 1999

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
7/1/99	0	7/17/99	0
7/2/99	0	7/18/99	0
7/3/99	0	7/19/99	0
7/4/99	0	7/20/99	0
7/5/99	0	7/21/99	0
7/6/99	0	7/22/99	0
7/7/99	0	7/23/99	0
7/8/99	0	7/24/99	0
7/9/99	0	7/25/99	0
7/10/99	0	7/26/99	0
7/11/99	0	7/27/99	0
7/12/99	0	7/28/99	0
7/13/99	0	7/29/99	0
7/14/99	0	7/30/99	0
7/15/99	0	7/31/99	0
7/16/99	0		

DOCKET NO.  
UNIT NAME  
DATE  
COMPLETED BY  
TELEPHONE  
PAGE

50 - 316  
D.C. Cook Unit 2  
August 5, 1999  
S. A. Richardson  
616-465-5901  
1 of 1

## MONTHLY OPERATING ACTIVITIES - July 1999

### HIGHLIGHTS

The unit entered this reporting period in Mode 5 at 0% RTP.

The unit exited this reporting period with the core offloaded.

There were no challenges to the pressurizer safety valves or power operated relief valves.

Gross electrical generation for the month of July was 0 MWh.

### DETAILS

07/13/99      At 0110 hours, completed draining of Reactor Coolant System to 619.5 foot elevation (1.5 feet below reactor vessel head flange elevation) in preparation for reactor vessel head removal and subsequent core off loading support activities.

07/13/99      At 1920 hours, the unit entered Mode 6 as first reactor head stud was de-tensioned.

07/15/99      At 1630 hours, completed flood up of the refueling cavity to support core off loading.

07/24/99      At 0945 hours, last fuel assembly removed from the reactor vessel.

07/27/99      At 1845 hours, both Train A and Train B Emergency Diesel Generators declared inoperable for Modes 5 and 6 due to inability to meet design basis. The combustion air intake, combustion exhaust, ventilation intake and ventilation exhaust structures were deemed inadequate in regard to tornado generated missiles.

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\* All time entries are Eastern Standard Time (EST).

DOCKET NO.	50 - 316
UNIT NAME	D.C. Cook Unit 2
DATE	August 5, 1999
COMPLETED BY	S. A: Richardson
TELEPHONE	616-465-5901
PAGE	1 of 1

### UNIT SHUTDOWNS AND POWER REDUCTIONS – July 1999

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
333	090897	F	162.0	F	2	97-003 97-004 97-005	N/A	N/A	The unit was shutdown to resolve design basis questions discovered during the NRC Architect and Engineering (AE) Inspection.
334	101397	S	582.0	C	4	N/A	N/A	N/A	The scheduled refueling outage commenced while the unit has been shutdown to resolve design basis questions discovered during the NRC AE Inspection.
335	010798	F	744.0	F	4	N/A	N/A	N/A	The refueling outage was declared complete, but the unit remained shutdown to resolve design basis questions discovered during the NRC AE Inspection.

#### 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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3/13/2006

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IE24 - Monthly Operating Report (per Tech Specs)

Docket: 05000316





March 13, 2000

United States Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555

Document Control Manager:

Pursuant to the requirements of Donald C. Cook Nuclear Plant Unit 2 Technical Specification 6.9.1.8, the attached Monthly Operating Report for February 2000 is submitted.

Sincerely,

A handwritten signature in black ink, appearing to read 'Robert C. Godley'.

R. C. Godley  
Regulatory Affairs Director

RCG/mbd

Attachments

c: ANI Nuclear Engineering Department  
A. C. Bakken, III  
G. T. Gaffney – Canton  
D. R. Hahn – Department of Health  
S. Hamming – Department of Labor  
RAF Harris  
INPO Records Center  
G. John  
B. Lewis – McGraw-Hill Companies  
D. H. Malin  
NRC Project Manager – NRR  
NRC Region III  
NRC Resident Inspector  
T. P. Noonan  
D. W. Paul – Lancaster  
J. E. Pollock  
R. P. Powers  
Regulatory Licensing Manager  
M. W. Rencheck  
W. H. Schalk

003694622

IE24

# NRC OPERATING DATA REPORT

DOCKET NO. 50 - 316  
 DATE March 6, 2000  
 COMPLETED BY J. W. Minor  
 TELEPHONE 616-465-5901

## OPERATING STATUS

1. Unit Name D. C. Cook Unit 2  
 2. Reporting Period Feb-2000  
 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

Notes:

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, If Any: \_\_\_\_\_

	This Month	Year-to-Date	Cumulative
11. Hours in Reporting Period	696.0	1440.0	194730.0
12. No. of Hrs. Reactor Was Critical	0.0	0.0	121771.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	0.0	0.0	118153.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Gen. (MWH)	0.0	0.0	366007650.4
17. Gross Electrical Energy Gen. (MWH)	0.0	0.0	118584640.0
18. Net Electrical Energy Gen. (MWH)	0.0	0.0	114257779.0
19. Unit Service Factor	0.0	0.0	61.4
20. Unit Availability Factor	0.0	0.0	61.4
21. Unit Capacity Factor (MDC Net)	0.0	0.0	55.9
22. Unit Capacity Factor (DER Net)	0.0	0.0	54.5
23. Unit Forced Outage Rate	100.0	100.0	24.7

24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration): \_\_\_\_\_  
 None

25. If Shut Down At End of Report Period, Estimated Date of Startup: \_\_\_\_\_  
 April 2000

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

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

Forecast

Achieved

DOCKET NO.  
UNIT NAME  
DATE  
COMPLETED BY  
TELEPHONE

50 - 316  
D.C. Cook Unit 2  
March 6, 2000  
J. W. Minor  
616-465-5901

AVERAGE DAILY POWER LEVEL (MWe-Net)

February 2000

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
2/1/2000	0	2/17/2000	0
2/2/2000	0	2/18/2000	0
2/3/2000	0	2/19/2000	0
2/4/2000	0	2/20/2000	0
2/5/2000	0	2/21/2000	0
2/6/2000	0	2/22/2000	0
2/7/2000	0	2/23/2000	0
2/8/2000	0	2/24/2000	0
2/9/2000	0	2/25/2000	0
2/10/2000	0	2/26/2000	0
2/11/2000	0	2/27/2000	0
2/12/2000	0	2/28/2000	0
2/13/2000	0	2/29/2000	0
2/14/2000	0		
2/15/2000	0		
2/16/2000	0		

DOCKET NO.	50 - 316
UNIT NAME	D.C. Cook Unit <sup>2</sup>
DATE	March 6, 2000
COMPLETED BY	MB Depuydt
TELEPHONE	616-465-5901
PAGE	1 of 1

### UNIT SHUTDOWNS AND POWER REDUCTIONS – February 2000

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
335	010798	F	696.0	F	4	N/A	N/A	N/A	The unit remained shutdown to resolve design basis questions identified during the NRC Architect and Engineering (AE) Inspection.

<b>1 TYPE:</b> F: Forced S: Scheduled	<b>2 REASON:</b> 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)	<b>3 METHOD:</b> 1: Manual 2: Manual Scram 3: Automatic Scram 4: Other (Explain)	<b>4 SYSTEM:</b> Exhibit G - Instructions for preparation of data entry sheets for Licensee Event Report (LER) File (NUREG 0161)	<b>5 COMPONENT:</b> Exhibit I: Same Source
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11-11-61



50-316  
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IE24 - Monthly Operating Report (per Tech Specs)



February 11, 2000

United States Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555

Document Control Manager:

Pursuant to the requirements of Donald C. Cook Nuclear Plant Unit 2 Technical Specification 6.9.1.8, the attached Monthly Operating Report for January 2000 is submitted.

Sincerely,

R. C. Godley  
Regulatory Affairs Director

RCG/mbd

Attachments

c: ANI Nuclear Engineering Department  
A. C. Bakken, III  
G. T. Gaffney – Canton  
D. R. Hahn – Department of Health  
S. Hamming – Department of Labor  
RAF Harris  
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NRC Region III  
NRC Resident Inspector  
T. P. Noonan  
D. W. Paul – Lancaster  
J. E. Pollock  
R. P. Powers  
Regulatory Licensing Manager  
M. W. Rencheck  
W. H. Schalk

# NRC OPERATING DATA REPORT

DOCKET NO. 50 - 316  
 DATE February 4, 2000  
 COMPLETED BY J. W. Minor  
 TELEPHONE 616-465-5901

## OPERATING STATUS

1. Unit Name D. C. Cook Unit 2  
 2. Reporting Period Jan-2000  
 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

Notes:

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, If Any: \_\_\_\_\_

	This Month	Year-to-Date	Cumulative
11. Hours in Reporting Period	744.0	744.0	194034.0
12. No. of Hrs. Reactor Was Critical	0.0	0.0	121771.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	0.0	0.0	118153.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Gen. (MWH)	0.0	0.0	366007650.4
17. Gross Electrical Energy Gen. (MWH)	0.0	0.0	118584640.0
18. Net Electrical Energy Gen. (MWH)	0.0	0.0	114257779.0
19. Unit Service Factor	0.0	0.0	61.6
20. Unit Availability Factor	0.0	0.0	61.6
21. Unit Capacity Factor (MDC Net)	0.0	0.0	56.1
22. Unit Capacity Factor (DER Net)	0.0	0.0	54.7
23. Unit Forced Outage Rate	100.0	100.0	24.4

24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration): \_\_\_\_\_  
 None

25. If Shut Down At End of Report Period, Estimated Date of Startup: \_\_\_\_\_  
 April 2000

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

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

Forecast

Achieved

DOCKET NO.  
UNIT NAME  
DATE  
COMPLETED BY  
TELEPHONE

50 - 316  
D.C. Cook Unit 2  
February 4, 2000  
J. W. Minor  
616-465-5901

**AVERAGE DAILY POWER LEVEL (MWe-Net)**

**January 2000**

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1/1/2000	0	1/17/2000	0
1/2/2000	0	1/18/2000	0
1/3/2000	0	1/19/2000	0
1/4/2000	0	1/20/2000	0
1/5/2000	0	1/21/2000	0
1/6/2000	0	1/22/2000	0
1/7/2000	0	1/23/2000	0
1/8/2000	0	1/24/2000	0
1/9/2000	0	1/25/2000	0
1/10/2000	0	1/26/2000	0
1/11/2000	0	1/27/2000	0
1/12/2000	0	1/28/2000	0
1/13/2000	0	1/29/2000	0
1/14/2000	0	1/30/2000	0
1/15/2000	0	1/31/2000	0
1/16/2000	0		

DOCKET NO.	50 - 316
UNIT NAME	D.C. Cook Unit 2
DATE	February 8, 2000
COMPLETED BY	MB Depuydt
TELEPHONE	616-465-5901
PAGE	1 of 1

### UNIT SHUTDOWNS AND POWER REDUCTIONS – January 2000

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
335	010798	F	744.0	F	4	N/A	N/A	N/A	The unit remained shutdown to resolve design basis questions identified during the NRC Architect and Engineering (AE) Inspection.

<b>1 TYPE:</b> F: Forced S: Scheduled	<b>2 REASON:</b> 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)	<b>3 METHOD:</b> 1: Manual 2: Manual Scram 3: Automatic Scram 4: Other (Explain)	<b>4 SYSTEM:</b> Exhibit G - Instructions for preparation of data entry sheets for Licensee Event Report (LER) File (NUREG 0161)	<b>5 COMPONENT:</b> Exhibit I: Same Source
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50-316  
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IE24 - Monthly Operating Report (per Tech Specs)

Docket: 05000316



January 14, 2000

United States Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555

Document Control Manager:

Pursuant to the requirements of Donald C. Cook Nuclear Plant Unit 2 Technical Specification 6.9.1.8, the attached Monthly Operating Report for December 1999 is submitted.

Sincerely,



R. C. Godley  
Regulatory Affairs Director

RCG/mbd

Attachments

- c: ANI Nuclear Engineering Department  
A. C. Bakken, III  
G. T. Gaffney – Canton  
D. R. Hahn – Department of Health  
S. Hamming – Department of Labor  
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Regulatory Licensing Manager  
M. W. Rencheck  
W. H. Schalk  
D. G. Turner

# NRC OPERATING DATA REPORT

DOCKET NO. 50 - 316  
 DATE January 5, 2000  
 COMPLETED BY J. W. Minor  
 TELEPHONE 616-465-5901

## OPERATING STATUS

1. Unit Name D. C. Cook Unit 2  
 2. Reporting Period Dec-99  
 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

Notes:

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, If Any: \_\_\_\_\_

	This Month	Year-to-Date	Cumulative
11. Hours in Reporting Period	744.0	8760.0	193290.0
12. No. of Hrs. Reactor Was Critical	0.0	0.0	121771.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	0.0	0.0	118153.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Gen. (MWH)	0.0	0.0	366007650.4
17. Gross Electrical Energy Gen. (MWH)	0.0	0.0	118584640.0
18. Net Electrical Energy Gen. (MWH)	0.0	0.0	114257779.0
19. Unit Service Factor	0.0	0.0	61.8
20. Unit Availability Factor	0.0	0.0	61.8
21. Unit Capacity Factor (MDC Net)	0.0	0.0	56.3
22. Unit Capacity Factor (DER Net)	0.0	0.0	54.9
23. Unit Forced Outage Rate	100.0	100.0	24.0

24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration):  
 None

25. If Shut Down At End of Report Period, Estimated Date of Startup:  
 April 2000

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

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		



DOCKET NO.  
UNIT NAME  
DATE  
COMPLETED BY  
TELEPHONE

50 - 316  
D.C. Cook Unit 2  
January 5, 2000  
J. W. Minor  
616-465-5901

**AVERAGE DAILY POWER LEVEL (MWe-Net)**

**December 1999**

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
12/1/99	0	12/17/99	0
12/2/99	0	12/18/99	0
12/3/99	0	12/19/99	0
12/4/99	0	12/20/99	0
12/5/99	0	12/21/99	0
12/6/99	0	12/22/99	0
12/7/99	0	12/23/99	0
12/8/99	0	12/24/99	0
12/9/99	0	12/25/99	0
12/10/99	0	12/26/99	0
12/11/99	0	12/27/99	0
12/12/99	0	12/28/99	0
12/13/99	0	12/29/99	0
12/14/99	0	12/30/99	0
12/15/99	0	12/31/99	0
12/16/99	0		

DOCKET NO.	50 - 316
UNIT NAME	D.C. Cook Unit 2
DATE	January 9, 2000
COMPLETED BY	MB Depuydt
TELEPHONE	616-465-5901
PAGE	1 of 1

### UNIT SHUTDOWNS AND POWER REDUCTIONS – December 1999

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
333	090897	F	162.0 *	F	2	97-003 97-004 97-005	N/A	N/A	The unit was shutdown to resolve design basis questions discovered during the NRC Architect and Engineering (AE) Inspection.
334	101397	S	582.0 *	C	4	N/A	N/A	N/A	The scheduled refueling outage commenced while the unit has been shutdown to resolve design basis questions discovered during the NRC AE Inspection.
335	010798	F	744.0	F	4	N/A	N/A	N/A	The unit remained shutdown to resolve design basis questions identified during the NRC Architect and Engineering (AE) Inspection.

\* Historical values included for consistency with CNP Unit 1

<b>1 TYPE:</b> F: Forced S: Scheduled	<b>2 REASON:</b> 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)	<b>3 METHOD:</b> 1: Manual 2: Manual Scram 3: Automatic Scram 4: Other (Explain)	<b>4 SYSTEM:</b> Exhibit G - Instructions for preparation of data entry sheets for Licensee Event Report (LER) File (NUREG 0161)	<b>5 COMPONENT:</b> Exhibit I: Same Source
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JAN 24 2000

1/14/2000

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Monthly operating report for December 1999 for D. C. Cook Nuclear Plant, Unit 2. With letter dated 1/14/00.

Body:

Docket: 05000316, Notes: N/A

MR

Indiana Michigan  
Power Company  
Cook Nuclear Plant  
One Cook Place  
Bridgman, MI 49106  
616-465-5901



January 14, 2000

United States Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555

Document Control Manager:

Pursuant to the requirements of Donald C. Cook Nuclear Plant Unit 2 Technical Specification 6.9.1.8, the attached Monthly Operating Report for December 1999 is submitted.

Sincerely,

A handwritten signature in black ink, appearing to read "Robert Godley".

R. C. Godley  
Regulatory Affairs Director

RCG/mbd

Attachments

c: ANI Nuclear Engineering Department  
A. C. Bakken, III  
G. T. Gaffney – Canton  
D. R. Hahn – Department of Health  
S. Hamming – Department of Labor  
INPO Records Center  
G. John  
B. Lewis – McGraw-Hill Companies  
D. H. Malin  
NRC Project Manager – NRR  
NRC Region III  
NRC Resident Inspector  
T. P. Noonan  
D. W. Paul – Lancaster  
J. E. Pollock  
R. P. Powers  
Regulatory Licensing Manager  
M. W. Rencheck  
W. H. Schalk  
D. G. Turner

003678905

# NRC OPERATING DATA REPORT

DOCKET NO. 50 - 316  
 DATE January 5, 2000  
 COMPLETED BY J. W. Minor  
 TELEPHONE 616-465-5901

## OPERATING STATUS

1. Unit Name D. C. Cook Unit 2  
 2. Reporting Period Dec-99  
 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

Notes:

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, If Any: \_\_\_\_\_

	This Month	Year-to-Date	Cumulative
11. Hours in Reporting Period	744.0	8760.0	193290.0
12. No. of Hrs. Reactor Was Critical	0.0	0.0	121771.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	0.0	0.0	118153.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Gen. (MWH)	0.0	0.0	366007650.4
17. Gross Electrical Energy Gen. (MWH)	0.0	0.0	118584640.0
18. Net Electrical Energy Gen. (MWH)	0.0	0.0	114257779.0
19. Unit Service Factor	0.0	0.0	61.8
20. Unit Availability Factor	0.0	0.0	61.8
21. Unit Capacity Factor (MDC Net)	0.0	0.0	56.3
22. Unit Capacity Factor (DER Net)	0.0	0.0	54.9
23. Unit Forced Outage Rate	100.0	100.0	24.0

24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration): \_\_\_\_\_  
 None

25. If Shut Down At End of Report Period, Estimated Date of Startup: \_\_\_\_\_  
 April 2000

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

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

Forecast

Achieved



DOCKET NO.  
UNIT NAME  
DATE  
COMPLETED BY  
TELEPHONE

50 - 316  
D.C. Cook Unit 2  
January 5, 2000  
J. W. Minor  
616-465-5901

**AVERAGE DAILY POWER LEVEL (MWe-Net)**

**December 1999**

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
12/1/99	0	12/17/99	0
12/2/99	0	12/18/99	0
12/3/99	0	12/19/99	0
12/4/99	0	12/20/99	0
12/5/99	0	12/21/99	0
12/6/99	0	12/22/99	0
12/7/99	0	12/23/99	0
12/8/99	0	12/24/99	0
12/9/99	0	12/25/99	0
12/10/99	0	12/26/99	0
12/11/99	0	12/27/99	0
12/12/99	0	12/28/99	0
12/13/99	0	12/29/99	0
12/14/99	0	12/30/99	0
12/15/99	0	12/31/99	0
12/16/99	0		



DOCKET NO.	50 - 316
UNIT NAME	D.C. Cook Unit 2
DATE	January 9, 2000
COMPLETED BY	MB Depuydt
TELEPHONE	616-465-5901
PAGE	1 of 1

### UNIT SHUTDOWNS AND POWER REDUCTIONS – December 1999

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
333	090897	F	162.0 *	F	2	97-003 97-004 97-005	N/A	N/A	The unit was shutdown to resolve design basis questions discovered during the NRC Architect and Engineering (AE) Inspection.
334	101397	S	582.0 *	C	4	N/A	N/A	N/A	The scheduled refueling outage commenced while the unit has been shutdown to resolve design basis questions discovered during the NRC AE Inspection.
335	010798	F	744.0	F	4	N/A	N/A	N/A	The unit remained shutdown to resolve design basis questions identified during the NRC Architect and Engineering (AE) Inspection.

\* Historical values included for consistency with CNP Unit 1

<b>1 TYPE:</b> F: Forced S: Scheduled	<b>2 REASON:</b> 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)	<b>3 METHOD:</b> 1: Manual 2: Manual Scram 3: Automatic Scram 4: Other (Explain)	<b>4 SYSTEM:</b> Exhibit G - Instructions for preparation of data entry sheets for Licensee Event Report (LER) File (NUREG 0161)	<b>5 COMPONENT:</b> Exhibit I: Same Source
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12/8/99

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Monthly operating report for November 1999 for D. C. Cook Nuclear Plant, Unit 2. With 91208 letter.

Body:

PDR ADOCK 05000316 R

Docket: 05000316, Notes: N/A

Monthly





December 8, 1999

United States Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555

Document Control Manager:

Pursuant to the requirements of Donald C. Cook Nuclear Plant Unit 2 Technical Specification 6.9.1.8, the attached Monthly Operating Report for November 1999 is submitted.

Sincerely,

A handwritten signature in dark ink, appearing to read 'R. C. Godley', is written over the typed name.

R. C. Godley  
Regulatory Affairs Director

RCG/mbd

Attachments

- c: ANI Nuclear Engineering Department  
A. C. Bakken, III  
G. T. Gaffney - Canton  
D. R. Hahn - Department of Health  
S. Hamming - Department of Labor  
INPO Records Center  
G. John  
B. Lewis - McGraw-Hill Companies  
D. H. Malin  
NRC Project Manager - NRR  
NRC Region III  
NRC Resident Inspector  
T. P. Noonan  
D. W. Paul - Lancaster  
J. E. Pollock  
R. P. Powers  
Regulatory Licensing Manager  
M. W. Rencheck  
W. H. Schalk  
D. G. Turner

Handwritten initials 'JED' in dark ink, located in the bottom right area of the page.

PDL ADOCL 0500 03/6

AEP: America's Energy Partner™

ML093500238

# NRC OPERATING DATA REPORT

DOCKET NO.	50 - 316
DATE	December 3, 1999
COMPLETED BY	J. W. Minor
TELEPHONE	616-465-5901

## OPERATING STATUS

1. Unit Name	D. C. Cook Unit 2
2. Reporting Period	Nov-99
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

Notes:

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, If Any: \_\_\_\_\_

	This Month	Year-to-Date	Cumulative
11. Hours in Reporting Period	720.0	8016.0	192546.0
12. No. of Hrs. Reactor Was Critical	0.0	0.0	121771.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	0.0	0.0	118153.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Gen. (MWH)	0.0	0.0	366007650.4
17. Gross Electrical Energy Gen. (MWH)	0.0	0.0	118584640.0
18. Net Electrical Energy Gen. (MWH)	0.0	0.0	114257779.0
19. Unit Service Factor	0.0	0.0	62.1
20. Unit Availability Factor	0.0	0.0	62.1
21. Unit Capacity Factor (MDC Net)	0.0	0.0	56.6
22. Unit Capacity Factor (DER Net)	0.0	0.0	55.1
23. Unit Forced Outage Rate	100.0	100.0	23.6

24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration): \_\_\_\_\_  
 None

25. If Shut Down At End of Report Period, Estimated Date of Startup: \_\_\_\_\_  
 April 2000

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

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		



DOCKET NO.  
UNIT NAME  
DATE  
COMPLETED BY  
TELEPHONE

50 - 316  
D.C. Cook Unit 2  
December 3, 1999  
J. W. Minor  
616-465-5901

**AVERAGE DAILY POWER LEVEL (MWe-Net)**

**November 1999**

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
11/1/99	0	11/17/99	0
11/2/99	0	11/18/99	0
11/3/99	0	11/19/99	0
11/4/99	0	11/20/99	0
11/5/99	0	11/21/99	0
11/6/99	0	11/22/99	0
11/7/99	0	11/23/99	0
11/8/99	0	11/24/99	0
11/9/99	0	11/25/99	0
11/10/99	0	11/26/99	0
11/11/99	0	11/27/99	0
11/12/99	0	11/28/99	0
11/13/99	0	11/29/99	0
11/14/99	0	11/30/99	0
11/15/99	0		
11/16/99	0		



DOCKET NO.	50 - 316
UNIT NAME	D.C. Cook Unit 2
DATE	December 6, 1999
COMPLETED BY	S. Cherba
TELEPHONE	616-465-5901
PAGE	1 of 1

### UNIT SHUTDOWNS AND POWER REDUCTIONS – November 1999

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
333	090897	F	162.0	F	2	97-003 97-004 97-005	N/A	N/A	The unit was shutdown to resolve design basis questions discovered during the NRC Architect and Engineering (AE) Inspection.
334	101397	S	582.0	C	4	N/A	N/A	N/A	The scheduled refueling outage commenced while the unit has been shutdown to resolve design basis questions discovered during the NRC AE Inspection.
335	010798	F	720.0	F	4	N/A	N/A	N/A	The unit remained shutdown to resolve design basis questions identified during the NRC Architect and Engineering (AE) Inspection.

<b>1 TYPE:</b> F: Forced S: Scheduled	<b>2 REASON:</b> 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)	<b>3 METHOD:</b> 1: Manual 2: Manual Scram 3: Automatic Scram 4: Other (Explain)	<b>4 SYSTEM:</b> Exhibit G - Instructions for preparation of data entry sheets for Licensee Event Report (LER) File (NUREG 0161)	<b>5 COMPONENT:</b> Exhibit I: Same Source
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Monthly Operating Report for October 1999 for D. C. Cook Nuclear Plant, Unit 2. With November 9, 1999 Letter.

Body:

PDR ADOCK 05000316 R

Docket: 05000316, Notes: N/A

mr



Indiana Michigan  
Power Company  
Cook Nuclear Plant  
One Cook Place  
Bridgman, MI 49106  
616-465-6901



November 9, 1999

United States Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555

Document Control Manager:

Pursuant to the requirements of Donald C. Cook Nuclear Plant Unit 2 Technical Specification 6.9.1.8, the attached Monthly Operating Report for October 1999 is submitted.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Robert Godley'.

R. C. Godley  
Regulatory Affairs Director

RCG/mbd

Attachment

c: NRC Region III  
NRC Project Manager – NRR  
NRC Resident Inspector  
ANI Nuclear Engineering Department  
INPO Records Center

A. C. Bakken, III  
G. T. Gaffney – Canton  
D. R. Hahn – Department of Health  
S. Hamming – Department of Labor  
G. John  
B. Lewis – McGraw-Hill Companies  
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D. W. Paul – Lancaster  
J. E. Pollock  
R. P. Powers  
Regulatory Licensing Manager  
M. W. Rencheck  
W. H. Schalk  
D. G. Turner

IE24

0500316 R  
10/31/99

# NRC OPERATING DATA REPORT

DOCKET NO. 50 - 316  
 DATE November 4, 1999  
 COMPLETED BY J. W. Minor  
 TELEPHONE 616-465-5901

## OPERATING STATUS

1. Unit Name D. C. Cook Unit 2  
 2. Reporting Period Oct-99  
 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

Notes:

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, If Any: \_\_\_\_\_

	This Month	Year-to-Date	Cumulative
11. Hours in Reporting Period	744.0	7320.0	191850.0
12. No. of Hrs. Reactor Was Critical	0.0	0.0	121771.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	0.0	0.0	118153.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Gen. (MWH)	0.0	0.0	366007650.4
17. Gross Electrical Energy Gen. (MWH)	0.0	0.0	118584640.0
18. Net Electrical Energy Gen. (MWH)	0.0	0.0	114257779.0
19. Unit Service Factor	0.0	0.0	62.3
20. Unit Availability Factor	0.0	0.0	62.3
21. Unit Capacity Factor (MDC Net)	0.0	0.0	56.8
22. Unit Capacity Factor (DER Net)	0.0	0.0	55.3
23. Unit Forced Outage Rate	100.0	100.0	23.3

24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration): \_\_\_\_\_  
 None

25. If Shut Down At End of Report Period, Estimated Date of Startup: \_\_\_\_\_  
 April 2000

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

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

Forecast

Achieved

DOCKET NO.  
UNIT NAME  
DATE  
COMPLETED BY  
TELEPHONE

50 - 316  
D.C. Cook Unit 2  
November 4, 1999  
J. W. Minor  
616-465-5901

**AVERAGE DAILY POWER LEVEL (MWe-Net)**

**October 1999**

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
10/1/99	0	10/17/99	0
10/2/99	0	10/18/99	0
10/3/99	0	10/19/99	0
10/4/99	0	10/20/99	0
10/5/99	0	10/21/99	0
10/6/99	0	10/22/99	0
10/7/99	0	10/23/99	0
10/8/99	0	10/24/99	0
10/9/99	0	10/25/99	0
10/10/99	0	10/26/99	0
10/11/99	0	10/27/99	0
10/12/99	0	10/28/99	0
10/13/99	0	10/29/99	0
10/14/99	0	10/30/99	0
10/15/99	0	10/31/99	0
10/16/99	0		

DOCKET NO.	50 - 316
UNIT NAME	D.C. Cook Unit 2
DATE	November 5, 1999
COMPLETED BY	S. A. Richardson
TELEPHONE	616-465-5901
PAGE	1 of 1

### UNIT SHUTDOWNS AND POWER REDUCTIONS – October 1999

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
333	090897	F	162.0	F	2	97-003 97-004 97-005	N/A	N/A	The unit was shutdown to resolve design basis questions discovered during the NRC Architect and Engineering (AE) Inspection.
334	101397	S	582.0	C	4	N/A	N/A	N/A	The scheduled refueling outage commenced while the unit has been shutdown to resolve design basis questions discovered during the NRC AE Inspection.
335	010798	F	744.0	F	4	N/A	N/A	N/A	The unit remained shutdown to resolve design basis questions identified during the NRC Architect and Engineering (AE) Inspection.

**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