

# CATEGORY 1

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 AUTH. NAME      AUTHOR AFFILIATION  
 MINOR, J.W.      Indiana Michigan Power Co. (formerly Indiana & Michigan Ele  
 CENTER, J.F.      Indiana Michigan Power Co. (formerly Indiana & Michigan Ele  
 COOPER, D.E.      Indiana Michigan Power Co. (formerly Indiana & Michigan Ele  
 RECIP. NAME      RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Apr 1998 for DC Cook Nuclear  
 Plant, Unit 1.W/980506 ltr.

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



U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

May 6, 1998

Gentlemen,

Pursuant to the requirements of Donald C. Cook Nuclear Plant Unit 1  
Technical Specification 6.9.1.10, the attached Monthly Operating Report  
for the month of April 1998 is submitted.

Sincerely,

A handwritten signature in dark ink, appearing to be 'D.E. Cooper', is written over a circular stamp or seal.

D.E. Cooper  
Plant Manager

/jc

Attachment

c: NRC Region III  
D.R. Hahn  
S. Hamming  
B. Lewis  
INPO Records Center  
ANI Nuclear Engineering Department  
E.E. Fitzpatrick  
A.A. Blind  
P.A. Barrett  
S.J. Brewer  
D.W. Paul  
D.L. Noble  
W.H. Schalk  
D.G. Turner  
B.L. Bartlett

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# N.R.C. OPERATING DATA REPORT

DOCKET NO.	50 - 315
DATE	May 4, 1998
COMPLETED BY	JW Minor
TELEPHONE	616-465-5901

## OPERATING STATUS

1. Unit Name	D. C. Cook Unit 1
2. Reporting Period	Apr-98
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:

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	2880.0	204504.0
12. No. of Hrs. Reactor Was Critical	0.0	0.0	151285.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	0.0	0.0	148821.1
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Thermal Energy Gen. (MWH)	0.0	0.0	440194814.0
17. Gross Electrical Energy Gen. (MWH)	0.0	0.0	143013940.0
18. Net Electrical Energy Gen. (MWH)	0.0	0.0	137597640.0
19. Unit Service Factor	0.0	0.0	73.5
20. Unit Availability Factor	0.0	0.0	73.5
21. Unit Capacity Factor (MDC Net)	0.0	0.0	67.1
22. Unit Capacity Factor (DER Net)	0.0	0.0	65.4
23. Unit Forced Outage Rate	100.0	100.0	9.1

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:  
To be Determined.

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 - 315  
D.C. Cook Unit 1  
May 4, 1998  
JW Minor  
616-465-5901

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

**April 1998**

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
4/1/98	0	4/17/98	0
4/2/98	0	4/18/98	0
4/3/98	0	4/19/98	0
4/4/98	0	4/20/98	0
4/5/98	0	4/21/98	0
4/6/98	0	4/22/98	0
4/7/98	0	4/23/98	0
4/8/98	0	4/24/98	0
4/9/98	0	4/25/98	0
4/10/98	0	4/26/98	0
4/11/98	0	4/27/98	0
4/12/98	0	4/28/98	0
4/13/98	0	4/29/98	0
4/14/98	0	4/30/98	0
4/15/98	0		
4/16/98	0		

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UNIT NAME  
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COMPLETED BY  
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D.C. Cook Unit 1  
May 4, 1998  
JF Center  
616-697-5098  
1 of 1

## MONTHLY OPERATING ACTIVITIES - April 1998

### HIGHLIGHTS

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

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

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

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

### DETAILS

10/01/97

The Reactor was shutdown 09/08/97 to resolve design basis questions discovered during the NRC Architect and Engineering (AE) Inspection.

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\* All times are in Eastern Standard Time (EST).

DOCKET NO.	50 - 315
UNIT NAME	D.C. Cook Unit 1
DATE	May 4, 1998
COMPLETED BY	JF Center
TELEPHONE	616-697-5098
PAGE	1 of 1

### UNIT SHUTDOWNS AND POWER REDUCTIONS - April 1998

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	744.0	F	2	97-010 97-011 97-012 97-013 97-014 97-016	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	The unit was shutdown to resolve design basis questions discovered 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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American Electric Power  
Cook Nuclear Plant  
One Cook Place  
Bridgman, MI 49106  
616 465 5901



U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

May 6, 1998

Gentlemen,

Pursuant to the requirements of Donald C. Cook Nuclear Plant Unit 2 Technical Specification 6.9.1.10, the attached Monthly Operating Report for the month of April 1998 is submitted.

Sincerely,

A handwritten signature, likely of D.E. Cooper, is written over a large, stylized oval graphic.

D.E. Cooper.  
Plant Manager

/jc

Attachment

c: NRC Region III  
D.R. Hahn  
S. Hamming  
B. Lewis  
INPO Records Center  
ANI Nuclear Engineering Department  
E.E. Fitzpatrick  
A.A. Blind  
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S.J. Brewer  
D.W. Paul  
D.L. Noble  
W.H. Schalk  
D.G. Turner  
B.L. Bartlett





# N.R.C. OPERATING DATA REPORT

DOCKET NO.	50 - 316
DATE	May 4, 1998
COMPLETED BY	JW Minor
TELEPHONE	616-465-5901

## OPERATING STATUS

1. Unit Name	D. C. Cook Unit 2
2. Reporting Period	Apr-98
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	2880.0	178200.0
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	67.2
20. Unit Availability Factor	0.0	0.0	67.2
21. Unit Capacity Factor (MDC Net)	0.0	0.0	61.2
22. Unit Capacity Factor (DER Net)	0.0	0.0	59.6
23. Unit Forced Outage Rate	NA	NA	14.3

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:  
To be Determined.

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  
May 4, 1998  
JW Minor  
616-465-5901

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

**April 1998**

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
4/1/98	0	4/17/98	0
4/2/98	0	4/18/98	0
4/3/98	0	4/19/98	0
4/4/98	0	4/20/98	0
4/5/98	0	4/21/98	0
4/6/98	0	4/22/98	0
4/7/98	0	4/23/98	0
4/8/98	0	4/24/98	0
4/9/98	0	4/25/98	0
4/10/98	0	4/26/98	0
4/11/98	0	4/27/98	0
4/12/98	0	4/28/98	0
4/13/98	0	4/29/98	0
4/14/98	0	4/30/98	0
4/15/98	0		
4/16/98	0		



DOCKET NO.  
UNIT NAME  
DATE  
COMPLETED BY  
TELEPHONE  
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D.C. Cook Unit 2  
May 4, 1998  
JF Center  
616-697-5098  
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## MONTHLY OPERATING ACTIVITIES - April 1998

### HIGHLIGHTS

The unit entered this reporting period in Mode 6 at 0% RTP.

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

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

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

### DETAILS\*

02/28/98                      n/a                      U2R97 Cycle 11 - 12 refueling outage continues.

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

DOCKET NO.	50 - 316
UNIT NAME	D.C. Cook Unit 2
DATE	May 4, 1998
COMPLETED BY	JF Center
TELEPHONE	616-697-5098
PAGE	1 of 1

### UNIT SHUTDOWNS AND POWER REDUCTIONS - April 1998

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
334	101297	S	744.0	C	4	N/A	N/A	N/A	The unit entered the period in a scheduled refueling outage.

#### 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

