



**INDIANA  
MICHIGAN  
POWER**

*A unit of American Electric Power*

**Indiana Michigan Power**  
Cook Nuclear Plant  
One Cook Place  
Bridgman, MI 49106  
AEP.com

September 14, 2005

AEP:NRC:2691-58

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**

In accordance with 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 August 2005 is submitted.

There are no new commitments associated with this submittal.

Should you have any questions, please contact Mr. Michael K. Scarpello, Regulatory Affairs Supervisor, at (269) 466-2649.

Sincerely,

Joseph N. Jensen  
Site Vice President

JEN/jen

Attachment

JE24

c: R. Aben – Department of Labor and Economic Growth  
ANI Nuclear Engineering Department  
L. Brandon – MDEQ - WHMD/HWRPS  
D. P. Fadel  
G. T. Gaffney – Canton  
R. A. F. Harris  
INPO Records Center  
J. N. Jensen  
J. T. King - MPSC  
B. Lewis – McGraw-Hill Companies  
D. H. Malin  
K. L. Matheny  
M. K. Nazar  
NRC Project Manager – NRR  
NRC Region III  
NRC Resident Inspector  
D. W. Paul – Columbus  
W. H. Schalk  
L. J. Weber  
J. A. Zwolinski

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

DOCKET NO. 50-315

DATE 9/6/2005

COMPLETED BY R. Harris

TELEPHONE 269-465-5901

**OPERATING STATUS**

1. Unit Name D. C. Cook Unit 1

2. Reporting Period Aug-05

3. Licensed Thermal Power (MWt) 3304

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	744.0	5831.0	268823.0
12. No. of Hrs. Reactor Was Critical	744.0	5088.8	187590.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	744.0	5035.4	184803.9
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	2455843.2	16423547.5	556095605.5
17. Gross Elect. Energy Gen. (MWH)	771000.0	5253947.0	180430670.0
18. Net Elect. Energy Gen. (MWH)	744622.0	5076043.7	173752805.4
19. Unit Service Factor	100.0	86.4	69.2
20. Unit Availability Factor	100.0	86.4	69.2
21. Unit Capacity Factor (MDC Net)	100.1	87.1	66.0
22. Unit Capacity Factor (DER Net)	98.1	85.3	64.7
23. Unit Forced Outage Rate	0.0	0.0	17.9
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:

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 06-Sep-05  
COMPLETED BY R. Harris  
TELEPHONE 269-465-5901

MONTH Aug-05

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
8/1/2005	989	8/17/2005	1000
8/2/2005	999	8/18/2005	1005
8/3/2005	982	8/19/2005	1003
8/4/2005	993	8/20/2005	992
8/5/2005	955	8/21/2005	995
8/6/2005	1051	8/22/2005	1004
8/7/2005	981	8/23/2005	1012
8/8/2005	1000	8/24/2005	1019
8/9/2005	996	8/25/2005	1014
8/10/2005	985	8/26/2005	1012
8/11/2005	990	8/27/2005	1014
8/12/2005	989	8/28/2005	1019
8/13/2005	995	8/29/2005	979
8/14/2005	1020	8/30/2005	999
8/15/2005	1018	8/31/2005	1004
8/16/2005	1014		

DOCKET NO.	50 - 315
UNIT NAME	D.C. Cook Unit 1
DATE	September 6, 2005
COMPLETED BY	J. Newmiller
TELEPHONE	269-465-5901
PAGE	1 of 1

### UNIT SHUTDOWNS AND POWER REDUCTIONS – August 2005

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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None

**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 9/6/2005  
COMPLETED BY R. Harris  
TELEPHONE 269-465-5901

## OPERATING STATUS

1. Unit Name D. C. Cook Unit 2

2. Reporting Period Aug-05

3. Licensed Thermal Power (MWt) 3468

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	744.0	5831.0	242969.0
12. No. of Hrs. Reactor Was Critical	744.0	5806.0	161555.2
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	744.0	5796.4	157558.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	2576048.7	20022808.3	498905146.0
17. Gross Elect. Energy Gen. (MWH)	817280.0	6561490.0	161877058.0
18. Net Elect. Energy Gen. (MWH)	791115.0	6356451.0	156159865.6
19. Unit Service Factor	100.0	99.4	65.5
20. Unit Availability Factor	100.0	99.4	65.5
21. Unit Capacity Factor (MDC Net)	100.3	102.8	61.7
22. Unit Capacity Factor (DER Net)	97.6	100.0	60.0
23. Unit Forced Outage Rate	0.0	0.0	22.0
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:

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

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

Forecast

Achieved

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

DOCKET NO. 50-316  
UNIT TWO  
DATE 6-Sep-05  
COMPLETED BY R. Harris  
TELEPHONE 269-465-5901

MONTH Aug-05

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
8/1/2005	1046	8/17/2005	1077
8/2/2005	1041	8/18/2005	1065
8/3/2005	1038	8/19/2005	1063
8/4/2005	1043	8/20/2005	1052
8/5/2005	1044	8/21/2005	1055
8/6/2005	1047	8/22/2005	1068
8/7/2005	1040	8/23/2005	1083
8/8/2005	1051	8/24/2005	1106
8/9/2005	1041	8/25/2005	1087
8/10/2005	1040	8/26/2005	1094
8/11/2005	1052	8/27/2005	1083
8/12/2005	1046	8/28/2005	1075
8/13/2005	1056	8/29/2005	1066
8/14/2005	1102	8/30/2005	1079
8/15/2005	1096	8/31/2005	1057
8/16/2005	1073		

DOCKET NO.	50 - 316
UNIT NAME	D.C. Cook Unit 2
DATE	September 6, 2005
COMPLETED BY	J. Newmiller
TELEPHONE	269-465-5901
PAGE	1 of 1

### UNIT SHUTDOWNS AND POWER REDUCTIONS – August 2005

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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None

<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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