



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

August 12, 2005

AEP:NRC:2691-57

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 July 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,

Daniel P. Fadel  
Engineering Vice President

JEN/jen

Attachment

IE24

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 8/5/2005  
COMPLETED BY R. Harris  
TELEPHONE 269-465-5901

**OPERATING STATUS**

- 1. Unit Name D. C. Cook Unit 1
- 2. Reporting Period Jul-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	5087.0	268079.0
12. No. of Hrs. Reactor Was Critical	744.0	4344.8	186846.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	744.0	4291.4	184059.9
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	2455701.6	13967704.3	553639762.3
17. Gross Elect. Energy Gen. (MWH)	769407.0	4482947.0	179659670.0
18. Net Elect. Energy Gen. (MWH)	742952.0	4331421.7	173008183.4
19. Unit Service Factor	100.0	84.4	69.1
20. Unit Availability Factor	100.0	84.4	69.1
21. Unit Capacity Factor (MDC Net)	99.9	85.1	65.9
22. Unit Capacity Factor (DER Net)	97.9	83.5	64.6
23. Unit Forced Outage Rate	0.0	0.0	18.0
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. 50-315  
UNIT ONE  
DATE 05-Aug-05  
COMPLETED BY R. Harris  
TELEPHONE 269-465-5901

MONTH Jul-05

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
7/1/2005	989	7/17/2005	985
7/2/2005	996	7/18/2005	988
7/3/2005	1013	7/19/2005	982
7/4/2005	990	7/20/2005	987
7/5/2005	994	7/21/2005	971
7/6/2005	1009	7/22/2005	972
7/7/2005	1024	7/23/2005	968
7/8/2005	1031	7/24/2005	965
7/9/2005	1026	7/25/2005	967
7/10/2005	1020	7/26/2005	991
7/11/2005	1016	7/27/2005	1016
7/12/2005	1017	7/28/2005	1021
7/13/2005	1014	7/29/2005	1009
7/14/2005	1016	7/30/2005	998
7/15/2005	995	7/31/2005	999
7/16/2005	986		

DOCKET NO. 50 - 315  
 UNIT NAME D.C. Cook Unit 1  
 DATE August 5, 2005  
 COMPLETED BY J. Newmiller  
 TELEPHONE 269-465-5901  
 PAGE 1 of 1

**UNIT SHUTDOWNS AND POWER REDUCTIONS – July 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

<u>1 TYPE:</u> F: Forced S: Scheduled	<u>2 REASON:</u> 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)	<u>3 METHOD:</u> 1: Manual 2: Manual Scram 3: Automatic Scram 4: Other (Explain)	<u>4 SYSTEM:</u> Exhibit G - Instructions for preparation of data entry sheets for Licensee Event Report (LER) File (NUREG 0161)	<u>5 COMPONENT:</u> Exhibit I: Same Source
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**N.R.C. OPERATING DATA REPORT**

DOCKET NO. 50-316  
 DATE 8/5/2005  
 COMPLETED BY R. Harris  
 TELEPHONE 269-465-5901

**OPERATING STATUS**

- 1. Unit Name D. C. Cook Unit 2
- 2. Reporting Period Jul-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:
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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	242225.0
12. No. of Hrs. Reactor Was Critical	744.0	5062.0	160811.2
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	744.0	5052.4	156814.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	2577099.7	17446759.6	496329097.3
17. Gross Elect. Energy Gen. (MWH)	818600.0	5744210.0	161059778.0
18. Net Elect. Energy Gen. (MWH)	792332.0	5565336.0	155368750.6
19. Unit Service Factor	100.0	99.3	65.4
20. Unit Availability Factor	100.0	99.3	65.4
21. Unit Capacity Factor (MDC Net)	100.5	103.2	61.6
22. Unit Capacity Factor (DER Net)	97.7	100.4	59.9
23. Unit Forced Outage Rate	0.0	0.0	22.0
24. Shutdowns Scheduled over Next Six Months (Type,Date,and Duration):			

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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. 50-316  
UNIT TWO  
DATE 5-Aug-05  
COMPLETED BY R. Harris  
TELEPHONE 269-465-5901

MONTH Jul-05

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
7/1/2005	1059	7/17/2005	1054
7/2/2005	1076	7/18/2005	1052
7/3/2005	1071	7/19/2005	1043
7/4/2005	1066	7/20/2005	1039
7/5/2005	1062	7/21/2005	1039
7/6/2005	1069	7/22/2005	1044
7/7/2005	1092	7/23/2005	1034
7/8/2005	1103	7/24/2005	1026
7/9/2005	1103	7/25/2005	1044
7/10/2005	1100	7/26/2005	1043
7/11/2005	1075	7/27/2005	1080
7/12/2005	1086	7/28/2005	1095
7/13/2005	1081	7/29/2005	1064
7/14/2005	1089	7/30/2005	1050
7/15/2005	1061	7/31/2005	1057
7/16/2005	1057		

DOCKET NO. 50 - 316  
 UNIT NAME D.C. Cook Unit 2  
 DATE August 5, 2005  
 COMPLETED BY J. Newmiller  
 TELEPHONE 269-465-5901  
 PAGE 1 of 1

**UNIT SHUTDOWNS AND POWER REDUCTIONS – July 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