



Indiana Michigan  
Power Company  
Nuclear Generation Group  
One Cook Place  
Bridgman, MI 49106  
aep.com

October 14, 2005

AEP:NRC:2691-59

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 5.6.4, the attached Monthly Operating Report for September 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

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 10/6/2005

COMPLETED BY R. Harris

TELEPHONE 269-465-5901

**OPERATING STATUS**

1. Unit Name D. C. Cook Unit 1

2. Reporting Period Sep-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

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.

	This Mo.	Yr. to Date	Cumm.
11. Hours in Reporting Period	720.0	6551.0	269543.0
12. No. of Hrs. Reactor Was Critical	702.6	5791.4	188292.6
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	697.7	5733.1	185501.6
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	2276461.3	18700008.8	558372066.8
17. Gross Elect. Energy Gen. (MWH)	717683.0	5971630.0	181148353.0
18. Net Elect. Energy Gen. (MWH)	693040.0	5769083.7	174445845.4
19. Unit Service Factor	96.9	87.5	69.3
20. Unit Availability Factor	96.9	87.5	69.3
21. Unit Capacity Factor (MDC Net)	96.3	88.1	66.1
22. Unit Capacity Factor (DER Net)	94.4	86.3	64.8
23. Unit Forced Outage Rate	3.1	0.4	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-Oct-05
COMPLETED BY	R. Harris
TELEPHONE	269-465-5901

MONTH      Sep-05

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
9/1/2005	995	9/17/2005	1021
9/2/2005	996	9/18/2005	1019
9/3/2005	990	9/19/2005	1017
9/4/2005	994	9/20/2005	1027
9/5/2005	995	9/21/2005	990
9/6/2005	997	9/22/2005	1008
9/7/2005	998	9/23/2005	1014
9/8/2005	1008	9/24/2005	996
9/9/2005	999	9/25/2005	52
9/10/2005	1003	9/26/2005	672
9/11/2005	998	9/27/2005	1027
9/12/2005	994	9/28/2005	1027
9/13/2005	997	9/29/2005	1036
9/14/2005	1002	9/30/2005	1011
9/15/2005	976		
9/16/2005	1019		

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

### UNIT SHUTDOWNS AND POWER REDUCTIONS – September 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
354	050925	F	22.3	B	2	N/A	AB	P	The reactor was taken off line to repair the oil leak on Reactor Coolant Pump #13.

<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 10/6/2005  
COMPLETED BY R. Harris  
TELEPHONE 269-465-5901

**OPERATING STATUS**

1. Unit Name D. C. Cook Unit 2  
2. Reporting Period Sep-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	720.0	6551.0	243689.0
12. No. of Hrs. Reactor Was Critical	691.0	6497.0	162246.2
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	683.2	6479.6	158241.9
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	2326546.0	22349354.3	501231692.0
17. Gross Elect. Energy Gen. (MWH)	745790.0	7307280.0	162622848.0
18. Net Elect. Energy Gen. (MWH)	721521.0	7077972.0	156881386.6
19. Unit Service Factor	94.9	98.9	65.6
20. Unit Availability Factor	94.9	98.9	65.6
21. Unit Capacity Factor (MDC Net)	94.5	101.9	61.8
22. Unit Capacity Factor (DER Net)	91.9	99.1	60.1
23. Unit Forced Outage Rate	0.0	0.0	21.9
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):

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

Forecast

Achieved

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

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

MONTH Sep-05

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
9/1/2005	1067	9/17/2005	1094
9/2/2005	1059	9/18/2005	1113
9/3/2005	1056	9/19/2005	1080
9/4/2005	1062	9/20/2005	1080
9/5/2005	1052	9/21/2005	1048
9/6/2005	1051	9/22/2005	56
9/7/2005	1053	9/23/2005	52
9/8/2005	1063	9/24/2005	957
9/9/2005	1056	9/25/2005	1106
9/10/2005	1068	9/26/2005	1107
9/11/2005	1046	9/27/2005	1103
9/12/2005	1048	9/28/2005	1092
9/13/2005	1058	9/29/2005	1098
9/14/2005	1064	9/30/2005	1104
9/15/2005	1066		
9/16/2005	1105		

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

### UNIT SHUTDOWNS AND POWER REDUCTIONS – September 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
223	050922	S	36.8	B	2	N/A	AB	P	The reactor was taken off line to repair the oil leak on Reactor Coolant Pump #21.

<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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