

Indiana Michigan
Power Company
500 Circle Drive
Buchanan, MI 49107 1395



December 15, 2004

AEP:NRC:2691-49

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

Pursuant to 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 November 2004 is submitted.

There are no new commitments associated with this submittal.

Should you have any questions, please contact Mr. Toby K. Woods, Compliance Supervisor, at (269) 466-2798.

Sincerely,

A handwritten signature in black ink, appearing to read "Jensen", written over the printed name of Joseph N. Jensen.

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
M. J. Finissi
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
J. A. Zwolinski

N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-315

DATE 12/8/2004

COMPLETED BY R. Harris

TELEPHONE 269-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 1

2. Reporting Period Nov-04

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	720.0	8040.0	262248.0
12. No. of Hrs. Reactor Was Critical	720.0	7855.9	181757.2
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	720.0	7844.9	179024.5
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	2376620.1	25844368.5	537212896.0
17. Gross Elect. Energy Gen. (MWH)	770950.0	8335140.0	174376943.0
18. Net Elect. Energy Gen. (MWH)	745386.0	8057948.8	167903232.7
19. Unit Service Factor	100.0	97.6	68.7
20. Unit Availability Factor	100.0	97.6	68.7
21. Unit Capacity Factor (MDC Net)	103.5	100.2	65.4
22. Unit Capacity Factor (DER Net)	101.5	98.3	64.1
23. Unit Forced Outage Rate	0.0	0.0	18.4

24. Shutdowns Scheduled over Next Six Months (Type,Date,and Duration):

Refueling outage currently scheduled for April 2005 with a planned duration of approximately 35 days

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	08-Dec-04
COMPLETED BY	R. Harris
TELEPHONE	269-465-5901

MONTH Nov-04

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
11/1/2004	1036	11/17/2004	1039
11/2/2004	1032	11/18/2004	1045
11/3/2004	1039	11/19/2004	1030
11/4/2004	1035	11/20/2004	1043
11/5/2004	1039	11/21/2004	1034
11/6/2004	1040	11/22/2004	1036
11/7/2004	1031	11/23/2004	1033
11/8/2004	1028	11/24/2004	1052
11/9/2004	1028	11/25/2004	1015
11/10/2004	1039	11/26/2004	1037
11/11/2004	1035	11/27/2004	1036
11/12/2004	1030	11/28/2004	1034
11/13/2004	1034	11/29/2004	1034
11/14/2004	1038	11/30/2004	1034
11/15/2004	1034		
11/16/2004	1038		

DOCKET NO.	50 - 315
UNIT NAME	D.C. Cook Unit 1
DATE	December 8, 2004
COMPLETED BY	J. Newmiller
TELEPHONE	269-465-5901
PAGE	1 of 1

UNIT SHUTDOWNS AND POWER REDUCTIONS -- November 2004

NO.	DATE	TYPE ¹	DURATION HOURS	REASON ²	METHOD OF SHUTTING DOWN REACTOR ³	LICENSEE EVENT REPORT NO.	SYSTEM CODE ⁴	COMPONENT CODE ⁵	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
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N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-316

DATE 12/8/2004

COMPLETED BY R. Harris

TELEPHONE 269-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 2
2. Reporting Period Nov-04
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	8040.0	236394.0
12. No. of Hrs. Reactor Was Critical	377.9	6721.9	155005.2
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	353.9	6664.1	151018.3
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	1019020.5	22632450.9	476308310.5
17. Gross Elect. Energy Gen. (MWH)	328300.0	7339418.0	154453448.0
18. Net Elect. Energy Gen. (MWH)	316547.4	7102477.9	148967384.6
19. Unit Service Factor	49.2	82.9	64.5
20. Unit Availability Factor	49.2	82.9	64.5
21. Unit Capacity Factor (MDC Net)	41.5	83.3	60.6
22. Unit Capacity Factor (DER Net)	40.3	81.0	58.9
23. Unit Forced Outage Rate	0.0	4.2	22.7
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. 50-316
UNIT TWO
DATE 8-Dec-04
COMPLETED BY R. Harris
TELEPHONE 269-465-5901

MONTH Nov-04

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
11/1/2004	0	11/17/2004	1122
11/2/2004	0	11/18/2004	1091
11/3/2004	0	11/19/2004	1116
11/4/2004	0	11/20/2004	1112
11/5/2004	0	11/21/2004	1111
11/6/2004	0	11/22/2004	769
11/7/2004	0	11/23/2004	0
11/8/2004	0	11/24/2004	0
11/9/2004	0	11/25/2004	0
11/10/2004	198	11/26/2004	0
11/11/2004	318	11/27/2004	0
11/12/2004	581	11/28/2004	0
11/13/2004	1037	11/29/2004	341
11/14/2004	1060	11/30/2004	1105
11/15/2004	1105		
11/16/2004	1123		

DOCKET NO. 50 - 316
UNIT NAME D.C. Cook Unit 2
DATE December 8, 2004
COMPLETED BY J. Newmiller
TELEPHONE 269-465-5901
PAGE 1 of 1

UNIT SHUTDOWNS AND POWER REDUCTIONS – November 2004

NO.	DATE	TYPE ¹	DURATION HOURS	REASON ²	METHOD OF SHUTTING DOWN REACTOR ³	LICENSEE EVENT REPORT NO.	SYSTEM CODE ⁴	COMPONENT CODE ⁵	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
219	041001	S	214.5	C	2	N/A	N/A	N/A	Scheduled refueling outage
220	041110	S	1.1	H	N/A	N/A	TA	TRB	Generator taken off line for main turbine overspeed testing.
221	041122	S	150.5	A	1	N/A	AB	PZR	RCS leak due to faulty pressurizer manway gasket.

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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