

# CATEGORY 1

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 FACIL: 50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana M  
 AUTH. NAME: MINOR, J.W. AUTHOR AFFILIATION: Indiana Michigan Power Co.  
 CENTER, J.F. Indiana Michigan Power Co.  
 SAMPSON, J.R. Indiana Michigan Power Co.  
 RECIP. NAME: RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Nov 1997 for DC Cook Nuclear Plant, Unit 2.W/971208 ltr.

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 TITLE: Monthly Operating Report (per Tech Specs)

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Indiana Michigan  
Power Company  
Cook Nuclear Plant  
One Cook Place  
Bridgman, MI 49106



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

December 8, 1997

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 November 1997 is submitted.

Sincerely,

A handwritten signature in dark ink, appearing to read 'J.R. Sampson'.

J.R. Sampson  
Plant Manager

/jc

Attachment

c: NRC Region III  
D.R. Hahn  
R.C. Callen  
S. Hamming  
B. Lewis  
INPO Records Center  
ANI Nuclear Engineering Department  
E.E. Fitzpatrick  
A.A. Blind  
P.A. Barrett  
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Terry

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# N.R.C. OPERATING DATA REPORT

DOCKET NO.	50 - 316
DATE	December 4, 1997
COMPLETED BY	JW Minor
TELEPHONE	616-465-5901

## OPERATING STATUS

1. Unit Name	D. C. Cook Unit 2
2. Reporting Period	Nov-97
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	8016.0	174576.0
12. No. of Hrs. Reactor Was Critical	0.0	5759.1	121771.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	0.0	5705.8	118153.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Gen. (MWH)	0.0	18829383.4	366007650.4
17. Gross Electrical Energy Gen. (MWH)	0.0	6080250.0	118584640.0
18. Net Electrical Energy Gen. (MWH)	0.0	5875213.0	114257779.0
19. Unit Service Factor	0.0	71.2	68.6
20. Unit Availability Factor	0.0	71.2	68.6
21. Unit Capacity Factor (MDC Net)	0.0	69.1	62.5
22. Unit Capacity Factor (DER Net)	0.0	67.2	60.9
23. Unit Forced Outage Rate	N/A	16.7	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  
December 4, 1997  
JW Minor  
616-465-5901

AVERAGE DAILY POWER LEVEL (MWe-Net)

November 1997

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
11/1/97	0	11/17/97	0
11/2/97	0	11/18/97	0
11/3/97	0	11/10/97	0
11/4/97	0	11/20/97	0
11/5/97	0	11/21/97	0
11/6/97	0	11/22/97	0
11/7/97	0	11/23/97	0
11/8/97	0	11/24/97	0
11/10/97	0	11/25/97	0
11/10/97	0	11/26/97	0
11/11/97	0	11/27/97	0
11/12/97	0	11/28/97	0
11/13/97	0	11/29/97	0
11/14/97	0	11/30/97	0
11/15/97	0		
11/16/97	0		

DOCKET NO.  
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December 4, 1997  
JF Center  
616-697-5098  
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## MONTHLY OPERATING ACTIVITIES - November 1997

### HIGHLIGHTS

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

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

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

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

### DETAILS

10/13/97            0500            U2R97 Cycle 11 - 12 refueling outage begins.

DOCKET NO.	50 - 316
UNIT NAME	D.C. Cook Unit 2
DATE	December 4, 1997
COMPLETED BY	JF Center
TELEPHONE	616-697-5098
PAGE	1 of 1

### UNIT SHUTDOWNS AND POWER REDUCTIONS - NOVEMBER 1997

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	720.0	C	4	N/A	N/A	N/A	The scheduled refueling outage commenced while the unit had been 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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