

# CATEGORY 1

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 SAMPSON, J.R.      Indiana Michigan Power Co. (formerly Indiana & Michigan Ele  
 RECIP. NAME      RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Aug 1997 for Donald C Cook  
 Nuclear Power Plant, Unit 2.W/970908 ltr.

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

September 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 August 1997 is submitted.

Sincerely,

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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# N.R.C. OPERATING DATA REPORT

DOCKET NO.	50 - 316
DATE	September 5, 1997
COMPLETED BY	JW Minor
TELEPHONE	616-465-5901

## OPERATING STATUS

1. Unit Name	D. C. Cook Unit 2
2. Reporting Period	Aug-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:

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9. Power Level To Which Restricted, If Any (Net MWe):

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10. Reasons For Restrictions, If Any:

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	This Month	Year-to-Date	Cumulative
11. Hours in Reporting Period	744.0	5832.0	172392.0
12. No. of Hrs. Reactor Was Critical	744.0	5567.1	121579.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	744.0	5513.8	117961.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Gen. (MWH)	2526625.9	18179465.1	365357732.1
17. Gross Electrical Energy Gen. (MWH)	788980.0	5876480.0	118380870.0
18. Net Electrical Energy Gen. (MWH)	761955.0	5678400.0	114060966.0
19. Unit Service Factor	100.0	94.5	69.4
20. Unit Availability Factor	100.0	94.5	69.4
21. Unit Capacity Factor (MDC Net)	96.6	91.9	63.2
22. Unit Capacity Factor (DER Net)	94.0	89.3	61.6
23. Unit Forced Outage Rate	0.0	5.5	13.8

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

Refueling outage to begin September 27, 1997 for an estimated duration of 40 days

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25. If Shut Down At End of Report Period, Estimated Date of Startup:

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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  
September 5, 1997  
JW Minor  
616-465-5901

AVERAGE DAILY POWER LEVEL (MWe-Net)

AUGUST 1997

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
8/1/97	1029	8/17/97	1024
8/2/97	1019	8/18/97	1025
8/3/97	1014	8/19/97	1035
8/4/97	1017	8/20/97	1013
8/5/97	1049	8/21/97	1033
8/6/97	1037	8/22/97	1037
8/7/97	1021	8/23/97	1030
8/8/97	1021	8/24/97	1032
8/9/97	1022	8/25/97	1027
8/10/97	1020	8/26/97	1025
8/11/97	935	8/27/97	1025
8/12/97	1020	8/28/97	1027
8/13/97	1036	8/29/97	1030
8/14/97	1039	8/30/97	1026
8/15/97	1030	8/31/97	1025
8/16/97	1025		

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JF Center  
616-697-5098  
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## MONTHLY OPERATING ACTIVITIES - AUGUST 1997

### HIGHLIGHTS

The unit entered this reporting period in Mode 1 at 100% RTP.

The unit exited this reporting period in Mode 1 at 100% RTP.

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

Gross electrical generation for the month of August was 788980 MWh.

### DETAILS:

08/11/97	1010	Commenced Reactor power reduction to replace Cell 34 of the CD Battery.
	1609	Reactor power stablized at 80% RTP.
	1908	Commenced Reactor power ascension following repairs.
08/12/97	0200	Power stablized at 100% RTP.

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\* All time entries are Eastern Standard Time (EST).

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UNIT NAME D.C. Cook Unit 2  
DATE September 5, 1997  
COMPLETED BY JF Center  
TELEPHONE 616-697-5098  
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### UNIT SHUTDOWNS AND POWER REDUCTIONS - AUGUST 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
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None

There were no unit shutdowns or significant power reductions this month.

**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