

# CATEGORY 1

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 RUSSO, ME      American Electric Power Co., Inc.  
 MINOR, JW      American Electric Power Co., Inc.  
 SAMPSON, J.R.      American Electric Power Co., Inc.  
 RECIP. NAME      RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Jan 1996 for Donald C. Cook  
 Nuclear Plant, Unit 1. W/970204 ltr.

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 TITLE: Monthly Operating Report (per Tech Specs)

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American Electric  
Cook Nuclear Plant  
One Cook Place  
Bridgman, MI 49106  
616 465 5901



February 4, 1997

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

Gentlemen:

Pursuant to the requirements of Donald C. Cook Nuclear Plant Unit 1  
Technical Specification 6.9.1.10, the attached Monthly Operating Report for  
the month of January 1997 is submitted.

Respectfully,

  
J.R. Sampson  
Plant Manager

Attachment

c: NRC Region III  
D.R. Hahn  
R.C. Callen  
S. Hamming  
INPO Records Center  
ANI Nuclear Engineering Department  
E.E. Fitzpatrick  
A.A. Blind  
P.A. Barrett  
S.J. Brewer  
D.W. Paul  
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# N.R.C. OPERATING DATA REPORT

DOCKET NO.	50 - 315
DATE	Feb. 4, 1997
COMPLETED BY	JW Minor
TELEPHONE	616-465-5901

## OPERATING STATUS

1. Unit Name	D. C. Cook Unit 1
2. Reporting Period	Jan-97
3. Licensed Thermal Power (MWt)	3250
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, If Any: \_\_\_\_\_

	This Month	Year-to-Date	Cumulative
11. Hours in Reporting Period	744.0	744.0	193608.0
12. No. of Hrs. Reactor Was Critical	744.0	744.0	147331.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	744.0	744.0	144952.8
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Thermal Energy Gen. (MWH)	2340499.2	2340499.2	428145296.2
17. Gross Electrical Energy Gen. (MWH)	776260.0	776260.0	139076170.0
18. Net Electrical Energy Gen. (MWH)	748985.0	748985.0	133800346.0
19. Unit Service Factor	100.0	100.0	75.7
20. Unit Availability Factor	100.0	100.0	75.7
21. Unit Capacity Factor (MDC Net)	100.7	100.7	68.9
22. Unit Capacity Factor (DER Net)	98.7	98.7	67.2
23. Unit Forced Outage Rate	0.0	0.0	5.9

24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration): \_\_\_\_\_  
 Refueling outage to begin February 28, 1997 for an estimated duration of 48 days

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

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 - 315  
D.C. Cook Unit 1  
Feb. 4, 1997  
JW Minor  
616-465-5901

AVERAGE DAILY POWER LEVEL (MWe-Net)

JANUARY 1997

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1/1/97	976	1/17/97	1037
1/2/97	978	1/18/97	1038
1/3/97	986	1/19/97	1038
1/4/97	948	1/20/97	1025
1/5/97	952	1/21/97	1010
1/6/97	973	1/22/97	978
1/7/97	985	1/23/97	1007
1/8/97	1003	1/24/97	1020
1/9/97	1003	1/25/97	1005
1/10/97	1000	1/26/97	1004
1/11/97	1021	1/27/97	1006
1/12/97	1036	1/28/97	1006
1/13/97	1038	1/29/97	1003
1/14/97	1040	1/30/97	1008
1/15/97	1037	1/31/97	1005
1/16/97	1039		

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COMPLETED BY  
TELEPHONE  
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D.C. Cook Unit 1  
Feb. 4, 1997  
ME Russo  
616-697-5100  
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## MONTHLY OPERATING ACTIVITIES - JANUARY 1997

### HIGHLIGHTS

The unit entered this reporting period in Mode 1 at 94% RTP.

Only minor adjustments to reactor power were experienced this period as a result of Main Transformer operating limitations.

The unit exited this reporting period in Mode 1 at 97% RTP.

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

Gross electrical generation for the month of January was 776260 MWH.

### DETAILS

01-04-97	1019	Reactor power reduced to 93% RTP due to Main Transformer operating limitations.
	1346	Reactor power reduced to 90% RTP due to Main Transformer operating limitations.
01-05-97	1042	Reactor power increased to 93% RTP. Environmental conditions permitted operation of Main Transformer at higher output.
01-07-97	1600	Reactor power increased to 96.5% RTP. Environmental conditions permitted operation of Main Transformer at higher output.
01-11-97	1400	Reactor power increased to 99.8% RTP. Environmental conditions permitted operation of Main Transformer at higher output.
01-20-97	1203	Reactor power reduced to 98% RTP due to Main Transformer operating limitations.
01-21-97	2150	Reactor power reduced to 94% RTP due to Main Transformer operating limitations.
01-23-97	1515	Reactor power increased to 99% RTP. Environmental conditions permitted operation of Main Transformer at higher output.
01-24-97	1245	Reactor power reduced to 96.5% RTP due to Main Transformer operating limitations.

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### UNIT SHUTDOWNS AND POWER REDUCTIONS - JANUARY 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
None									There were no unit shutdowns or significant power reductions this month.

<sup>1</sup>  
F: Forced  
S: Scheduled

<sup>2</sup>  
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)

<sup>3</sup>  
Method:  
1: Manual  
2: Manual Scram  
3: Automatic Scram  
4: Other (Explain)

<sup>4</sup>  
Exhibit G - Instructions for preparation of data entry sheets for Licensee Event Report (LER) File (NUREG 0161)

<sup>5</sup>  
Exhibit I: Same Source