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 SAMPSON, J.R. American Electric Power Co., Inc.
 RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Dec 1996 for DC Cook Nuclear Plant Unit 1.W/970103 ltr.

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 TITLE: Monthly Operating Report (per Tech Specs)

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




January 3, 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 2 Technical Specification 6.9.1.10, the
attached Monthly Operating Report for the month of
December 1996 is submitted.

Respectfully,


J.R. Sampson
Plant Manager

Attachment

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N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-316
DATE 03/Jan/97
COMPLETED BY John W. Minor
TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 2
2. Reporting Period DEC/96 notes
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
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 Mo.	Yr. to Date	Cumm.
11. Hours in Reporting Period	744.0	8784.0	166560.0
12. No. of Hrs. Reactor Was Critical	744.0	7687.6	116011.9
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	744.0	7641.9	112447.6
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	2535082	25543803	347178267
17. Gross Elect. Energy Gen. (MWH)	840230	8298030	112504390
18. Net Elect. Energy Gen. (MWH)	813357	8022603	108382566
19. Unit Service Factor	100.0	87.0	68.5
20. Unit Availability Factor	100.0	87.0	68.5
21. Unit Capacity Factor (MDC Net)	103.1	86.2	62.2
22. Unit Capacity Factor (DER Net)	100.3	83.8	60.6
23. Unit Forced Outage Rate	0.0	0.1	14.2
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:

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 03/Jan/97
 COMPLETED BY John W. Minor
 TELEPHONE 616-465-5901

MONTH DEC/96

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
96/12/01	1092	96/12/17	1091
96/12/02	1094	96/12/18	1093
96/12/03	1086	96/12/19	1095
96/12/04	1095	96/12/20	1096
96/12/05	1094	96/12/21	1096
96/12/06	1098	96/12/22	1095
96/12/07	1093	96/12/23	1098
96/12/08	1094	96/12/24	1097
96/12/09	1093	96/12/25	1097
96/12/10	1093	96/12/26	1097
96/12/11	1091	96/12/27	1093
96/12/12	1090	96/12/28	1080
96/12/13	1092	96/12/29	1095
96/12/14	1091	96/12/30	1096
96/12/15	1092	96/12/31	1094
96/12/16	1092		

DOCKET NO: 50-316
UNIT NAME: D.C. Cook Unit 2
COMPLETED BY: M.E. Russo
TELEPHONE: 616-697-5100
DATE: January 3, 1997
PAGE: Page 1 of 1

MONTHLY OPERATING ACTIVITIES - DECEMBER 1996 .

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 December was 840230 MWH.

DETAILS

No details to report.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: DECEMBER 1996

DOCKET NO: 50-316
UNIT NAME: D.C. COOK UNIT²
DATE: January 3, 1997
COMPLETED BY: M.E. Russo
TELEPHONE: 616-697-5100
PAGE: Page 1 OF 1

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

There were no unit shutdowns or
significant power reductions from
100% RTP this month.

1	2	3	4	5
F: Forced S: Scheduled	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)	Method: 1: Manual 2: Manual Scram 3: Automatic Scram 4: Other (Explain)	Exhibit G - Instructions for preparation of data entry sheets for Licensee Event Report (LER) File (NUREG 0161)	Exhibit I: Same Source