

CATEGORY 1

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 FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana M 05000315
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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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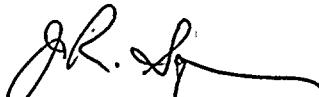
January 3, 1997

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
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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
December 1996 is submitted.

Respectfully,


J.R. Sampson
Plant Manager

Attachment

c: NRC Region III
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N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-315

DATE 03/Jan/97

COMPLETED BY John W. Minor.

TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 1
 2. Reporting Period DEC/96 notes
 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
 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	192864.0
12. No. of Hrs. Reactor Was Critical	744.0	8595.0	146587.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	744.0	8574.7	144208.8
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	2272187	26386917	425804797
17. Gross Elect. Energy Gen. (MWH)	753100	8687540	138299910
18. Net Elect. Energy Gen. (MWH)	726063	8373262	133051361
19. Unit Service Factor	100.0	97.6	75.6
20. Unit Availability Factor	100.0	97.6	75.6
21. Unit Capacity Factor (MDC Net)	97.6	95.3	68.8
22. Unit Capacity Factor (DER Net)	95.7	93.5	67.1
23. Unit Forced Outage Rate	0.0	2.4	6.0
24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration): <u>Refueling outage to begin February 28, 1997 for an estimated duration of 48 days.</u>			

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. 50-315
UNIT ONE
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	972	96/12/17	981
96/12/02	972	96/12/18	983
96/12/03	974	96/12/19	979
96/12/04	973	96/12/20	983
96/12/05	972	96/12/21	981
96/12/06	972	96/12/22	979
96/12/07	974	96/12/23	976
96/12/08	972	96/12/24	978
96/12/09	970	96/12/25	979
96/12/10	975	96/12/26	974
96/12/11	971	96/12/27	977
96/12/12	973	96/12/28	971
96/12/13	972	96/12/29	976
96/12/14	975	96/12/30	977
96/12/15	982	96/12/31	977
96/12/16	984		

DOCKET NO: 50-315
UNIT NAME: D.C. Cook Unit 1
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 93.5% RTP.

Only minor adjustments to reactor power were experienced as a result of Main Turbine control valve testing and Main Transformer operating limitations .

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

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

Gross electrical generation for the month of December was 753100 MWH.

DETAILS

12-13-96	2010	Commenced power reduction to facilitate Main Turbine control valve testing.
	2300	Reactor power stabilized at 92% RTP.
	2320	Commenced testing.
12-14-96	0200	Completed testing. Commenced power ascension.
	0428	Reactor power stabilized at 93.7% RTP.
	1030	Commenced power ascension to reduce Main Transformer operating limit margin.
	1500	Reactor power stabilized at 94.7% RTP.
12-23-96	1825	Commenced power reduction due to Main Transformer operating limitations.
	1855	Reactor power stabilized at 93.7% RTP.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: DECEMBER 1996

DOCKET NO: 50-315
UNIT NAME: D.C. COOK UNIT 1
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 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