

CATEGORY 1

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 FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana M 05000315
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 MINOR, B.W. American Electric Power Co., Inc.
 SAMPSON, J.R. American Electric Power Co., Inc.
 RECIP: NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Oct 1996 for DC Cook Nuclear
 Plant Unit 1.W/961104 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



November 4, 1996

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 October 1996 is submitted.

Respectfully,

A handwritten signature in cursive script, appearing to read 'J.R. Sampson', is written over a horizontal line.

J.R. Sampson
Plant Manager

Attachment

c: NRC Region III
D.R. Hahn
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INPO Records Center
ANI Nuclear Engineering Department
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N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-315
 DATE 04/Nov/96
 COMPLETED BY John W. Minor
 TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 1
2. Reporting Period OCT/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	7320.0	191400.0
12. No. of Hrs. Reactor Was Critical	744.0	7131.0	145123.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	744.0	7110.7	142744.8
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	2138315	21963513	421381393
17. Gross Elect. Energy Gen. (MWH)	704260	7221740	136834110
18. Net Elect. Energy Gen. (MWH)	677122	6960553	131638652
19. Unit Service Factor	100.0	97.1	75.4
20. Unit Availability Factor	100.0	97.1	75.4
21. Unit Capacity Factor (MDC Net)	91.0	95.1	68.6
22. Unit Capacity Factor (DER Net)	89.2	93.2	66.8
23. Unit Forced Outage Rate	0.0	2.9	6.0
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

AVERAGE DAILY POWER LEVEL (MWe-Net)

DOCKET NO. 50-315
 UNIT ONE
 DATE 04/Nov/96
 COMPLETED BY John W. Minor
 TELEPHONE 616-465-5901

MONTH OCT/96

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
96/10/01	892	96/10/17	890
96/10/02	896	96/10/18	902
96/10/03	903	96/10/19	924
96/10/04	902	96/10/20	934
96/10/05	904	96/10/21	926
96/10/06	903	96/10/22	922
96/10/07	904	96/10/23	923
96/10/08	908	96/10/24	923
96/10/09	899	96/10/25	923
96/10/10	910	96/10/26	921
96/10/11	902	96/10/27	918
96/10/12	905	96/10/28	921
96/10/13	918	96/10/29	926
96/10/14	909	96/10/30	930
96/10/15	833	96/10/31	940
96/10/16	904		

DOCKET NO: 50-315
UNIT NAME: D.C. Cook Unit 1
COMPLETED BY: M.E. Russo
TELEPHONE: 616-697-5100
DATE: November 4, 1996
PAGE: Page 1 of 1

MONTHLY OPERATING ACTIVITIES - OCTOBER 1996

HIGHLIGHTS*

The unit entered this reporting period in Mode 1 and stable at 88.5% RTP.

Reactor power was reduced to 78.5% RTP October 15 at 0240 to facilitate Circulating Water Pump #12 removal from service for maintenance. The unit was restored to 88% RTP at 1915 the same day.

The unit exited this reporting period in Mode 1 at 89% RTP.

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

Gross electrical generation for the month of October was 704260 MWH.

DETAILS*

10-15-96	0111	Commenced power reduction to 78.5% RTP to remove Circulating Water Pump #12 from service.
	0240	Reactor power stabilized at 78.5% RTP.
	1400	Commenced power ascension to 88% RTP.
	1915	Reactor power stabilized at 88% RTP.
10-17-96	1213	Reactor power reduced to 85% RTP due to Main Transformer thermal limitations.
10-18-96	0000	Commenced power ascension.
	0300	Reactor power stabilized at 88% RTP.
10-19-96	0615	Commenced power ascension.
	0915	Reactor power stabilized at 90% RTP.
10-21-96	1322	Commenced power reduction due to Main Transformer thermal limitations.
	1402	Reactor power stabilized at 89% RTP.

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: OCTOBER 1996

DOCKET NO: 50-315
 UNIT NAME: D.C. COOK UNIT 1
 DATE: November 4, 1996
 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
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