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 50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana M 05000316  
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 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for Dec 1991 for DC Cook Nuclear  
 Plant Units 1 & 2. W/ (920108) ltr.

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Indiana Michigan  
Power Company  
Cook Nuclear Plant  
One Cook Place  
Bridgman, MI 49106  
616 465 5901



January 8, 1992

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 1991 is submitted.

Respectfully,

A.A. Blind  
Plant Manager

Attachment

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# N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-316  
 DATE 02-Jan-92  
 COMPLETED BY CB ZYGMONT  
 TELEPHONE 616-465-5901

## OPERATING STATUS

1. Unit Name D. C. Cook Unit 2  
 2. Reporting Period DEC.91  
 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) 1090  
 8. If Changes Occur in Capacity Ratings (Items no. 3 through 7) Since Last Report Give Reasons \_\_\_\_\_

notes

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	8760.0	122712.0
12. No. of Hrs. Reactor Was Critical	744.0	8053.2	83188.1
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	744.0	8014.2	81600.1
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	2474282	26527580	252694633
17. Gross Elect. Energy Gen. (MWH)	796890	8481310	82268150
18. Net Elect. Energy Gen. (MWH)	770380	8185905	79244872
19. Unit Service Factor	100.0	91.5	67.8
20. Unit Availability Factor	100.0	91.5	67.8
21. Unit Capacity Factor (MDC Net)	95.0	85.7	62.1
22. Unit Capacity Factor (DER Net)	95.0	85.2	60.4
23. Unit Forced Outage Rate	0.0	8.5	13.1

24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration):  
Refueling outage to begin February 22, 1992 for an estimated  
duration of 90 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. 50-316  
UNIT TWO  
DATE 02-Jan-92  
COMPLETED BY CB ZYGMONT  
TELEPHONE 616-465-5901

MONTH DEC.91

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	1064	17	947
2	1067	18	949
3	1068	19	944
4	1073	20	949
5	1078	21	1005
6	1067	22	1063
7	1071	23	1060
8	1063	24	1058
9	1064	25	1058
10	1029	26	1058
11	1065	27	1051
12	1072	28	1046
13	1055	29	1059
14	1021	30	1056
15	943	31	1056
16	941		

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: December 1991

DOCKET NO: 50-316  
UNIT NAME: D.C. COOK UNIT 2  
DATE: January 8, 1992  
COMPLETED BY: E.C. Schimmel  
TELEPHONE: (616) 465-5901

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 from the maximum power level of 100% during the 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

DOCKET NO: 50-316  
UNIT NAME: D.C. Cook Unit 2  
COMPLETED BY: E.C. Schimmel  
TELEPHONE: (616) 465-5901  
DATE: January 8, 1992

MONTHLY OPERATING ACTIVITIES - December 1991

HIGHLIGHTS

The unit entered the reporting period at 100% RTP. Unit power was reduced to 95% RTP starting 2120 hours on 911209 for moderator temperature coefficient testing. Unit power was restored to 100% RTP at 2037 hours on 911210. Unit power was reduced to 90% RTP starting 1350 hours on 911214 due to problems with FRV-210, a main feedwater regulating valve. Unit power was restored to 100% RTP at 1253 hours on 911221. The unit exited the reporting period 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 796890 MWH.

DETAILS

12/09/91	2120	Commenced unit power reduction to 95% for moderator temperature coefficient testing.
12/10/91	0415	The unit is at 95% RTP.
	1721	Commenced unit power increase to 100% RTP.
	2037	The unit is at 100% RTP.
12/14/91	1350	Commenced unit power decrease to 90% RTP due to problems with FRV-210, a main feedwater regulating valve.
	1630	Unit power is at 90% RTP.
12/21/91	0825	Commenced unit power increase to 100% RTP.
	1253	The unit is at 100% RTP.



DOCKET NO: 50-316  
UNIT NAME: D.C. Cook Unit 2  
COMPLETED BY: E.C. Schimmel  
TELEPHONE: (616) 465-5901  
DATE: January 8, 1992  
PAGE: 1 of 1

MAJOR SAFETY-RELATED MAINTENANCE - December 1991

There were no major safety-related maintenance items during the month of December.