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SUBJECT: Submits monthly operating rept for month of Dec 1990.

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MR

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



INDIANA  
MICHIGAN  
POWER

January 4, 1990

U.S. Nuclear Regulatory Commission  
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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 1990 is submitted.

Respectfully,

*A. A. Blind*

A.A. Blind  
Plant Manager

Attachment

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

DOCKET NO. 50-315  
 DATE 03-Jan-91  
 COMPLETED BY WT GILLETT  
 TELEPHONE 616-465-5901

## OPERATING STATUS

1. Unit Name D. C. Cook Unit 1  
 2. Reporting Period DEC,90  
 3. Licensed Thermal Power (MWt) 3250  
 4. Name Plate Rating (Gross MWe) 1152  
 5. Design Electrical Rating (Net MWe) 1030  
 6. Maximum Dependable Capacity (GROSS MWe) 1056  
 7. Maximum Dependable Capacity (Net MWe) 1020  
 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	140256.0
12. No. of Hrs. Reactor Was Critical	0.0	6944.8	103387.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	0.0	6939.8	101628.8
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	0	20541629	295429648
17. Gross Elect. Energy Gen. (MWH)	0	6559000	96131230
18. Net Elect. Energy Gen. (MWH)	0	6301645	92433473
19. Unit Service Factor	0.0	79.2	73.5
20. Unit Availability Factor	0.0	79.2	73.5
21. Unit Capacity Factor (MDC Net)	0.0	70.5	65.6
22. Unit Capacity Factor (DER Net)	0.0	69.8	63.7
23. Unit Forced Outage Rate	ERR	0.0	7.1
24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration):			

25. If Shut Down At End of Report Period, Estimated Date of Startup:  
 January 14, 1990

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 02-Jan-91  
 COMPLETED BY WT GILLET  
 TELEPHONE 616-465-5901

MONTH DEC, 90

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	0
9	0	25	0
10	0	26	0
11	0	27	0
12	0	28	0
13	0	29	0
14	0	30	0
15	0	31	0
16	0		

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: December 1990

DOCKET NO: 50-315  
UNIT NAME: D.C. COOK UNIT 1  
DATE: January 4, 1990  
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
290 (cont.)	10/20/90	S	744.0	C	1	N/A	ZZ	ZZZZZZ	The unit was removed from service at 0031 hours on 901020 for the cycle 11-12 refueling outage. The reactor core reloading has been completed and the unit was in mode 5 at the end of the reporting period.

<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



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DOCKET NO: 50-315  
UNIT NAME: D.C. Cook Unit 1  
COMPLETED BY: E.C. Schimmel  
TELEPHONE: (616) 465-5901  
DATE: January 4, 1991  
PAGE: 1 of 1

MONTHLY OPERATING ACTIVITIES - December 1990

HIGHLIGHTS

The unit entered the reporting period in mode 6 with the reactor core unloaded. The AB train emergency diesel generator was declared operable at 0034 hours on December 4, 1990. The unit then exited the unusual event condition caused by the planned evolution of both emergency diesel generators being declared inoperable at 1325 hours on November 28, 1990. Reactor fuel reloading commenced at 1223 hours on December 8, 1990. Fuel reloading was complete at 2235 hours on December 10, 1990. The unit entered mode 5 at 2315 hours on December 14, 1990. The unit exited the reporting period in mode 5.

Gross electrical generation for the month of October was 0 MWH.

DETAILS

12/04/90	0034	The AB train emergency diesel generator is operable. This terminates the planned unusual event declared when both emergency diesel generators were made inoperable.
12/08/90	1223	Commenced reactor core reloading.
12/10/90	2235	The reactor core reloading is complete.
12/14/90	2315	The unit is in mode 5.

DOCKET NO: 50-315  
UNIT NAME: D.C. Cook Unit 1  
COMPLETED BY: E.C. Schimmel  
TELEPHONE: (616) 465-5901  
DATE: January 4, 1990  
PAGE: 1 of 1

MAJOR SAFETY-RELATED MAINTENANCE - December 1990

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



