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



December 6, 1990

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 November 1990 is submitted.

Respectfully,

A. Quen B

A.A. Blind Plant Manager

Attachment

с: ,	NRC Region III D.R. Hahn EPRI - Nuclear Safety Analysis Center R.C. Callen S.L. Hall J.G. Keppler INFO Records Center ANI Nuclear Engineering Department D.H. Williams, Jr. M.P. Alexich J.F. Kurgan J.J. Markowsky D.A. Timberlake D.W. Paul T.O. Argenta S.H. Steinhart J.A. Isom W.T. Gillett E.A. Smarrella J.C. Krieger B.A. Svensson E.C. Schimmel

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N.R.C. CERATING DATA REPORT DOCKET NO. 50-315 DATE 03-Dec-90 COMPLETED BY WT GILLETT TELEPHONE 616-465-5901 OPERATING STATUS 1. Unit Name D. C. Cook Unit 1 2. Reporting Period NOV.90 1. 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) 1030 6. Maximum Dependable Capacity (Net MWe) 1020 6. Maximum Dependable Capacity (Net MWe) 1020 6. Maximum Dependable Capacity (Net MWe) 1020 6. Maximum Dependable Capacity (ROSS MWe) 1020 6. Maximum Dependable Capacity (ROSS MWe) 1020 6. Maximum Dependable Capacity (ROSS MWe) 1020 7. FOWER Level TO Which Restricted. If Any (Net MWe) 10. Reasons For Restrictions. If Any:				
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15. Unit Reserve Shutdown Hours0.00.0321.016. Gross Therm. Energy Gen. (MWH)02054162929542964817. Gross Elect. Energy Gen. (MWH)065590009613123018. Net Elect. Energy Gen. (MWH)063016459243347319. Unit Service Factor0.086.673.920. Unit Availability Factor0.086.673.921. Unit Capacity Factor (MDC Net)0.077.165.922. Unit Capacity Factor (DER Net)0.076.364.123. Unit Forced Outage Rate0.07.124. Shutdowns Scheduled over Next Six Months (Type,Date,and Duration):January 15, 199026. Units in Test Status (Prior to Commercial Operation): Forcast AchievedINITIAL CRITICALITY INITIAL ELECTRICITY				
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18. Net Elect. Energy Gen. (MWH)       0       6301645       92433473         19. Unit Service Factor       0.0       86.6       73.9         20. Unit Availability Factor       0.0       86.6       73.9         21. Unit Capacity Factor (MDC Net)       0.0       77.1       65.9         22. Unit Capacity Factor (DER Net)       0.0       76.3       64.1         23. Unit Forced Outage Rate       0.0       7.1         24. Shutdowns Scheduled over Next Six Months (Type,Date, and Duration):				
19. Unit Service Factor0.086.673.920. Unit Availability Factor0.086.673.921. Unit Capacity Factor (MDC Net)0.077.165.922. Unit Capacity Factor (DER Net)0.076.364.123. Unit Forced Outage Rate0.07.124. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration):				
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COMMERCIAL OPERATION				
	COMMERCIAL OPERATION			

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## AVERAGE DAILY POWER LEVEL (MWe-Net)

DOCKET NO. 50-315 UNIT ONE DATE 03-Dec-90 COMPLETED BY WT GILLETT TELEPHONE 616-465-5901

	MONTH	NOV.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	' O
7	0	23	0
8	0	24	, O
9	· 0	25	0
10	0	26	0
11	0	27	0
12	0	28	0
13	ч <b>О</b>	29	0
14	. 0	30	0
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#### DOCKET NO: 50-315 UNIT SHUTDOWNS AND POWER REDUCTIONS UNIT NAME: D.C. COOK UNIT' 1 December 6, 1990 DATE: REPORT MONIH: November 1990 COMPLETED BY: E.C. Schimmel TELEPHONE: (616) 465-5901 METHOD OF SHUTTING LICENSEE DURATION DOWN ~ EVENT CAUSE AND CORRECTIVE ACTION TO SYSTEM COMPONENT DATE TYPE REASON<sup>2</sup> REACTOR<sup>3</sup> NO. HOURS $\infty DE^4$ REPORT NO. CODE<sub>2</sub> PREVENT RECURRENCE 290 10/20/90 S 720.0 С N/A 1 $\mathbf{Z}\mathbf{Z}$ ZZZZZZ The unit was removed from service at (cont.) 0031 hours on 901020 for the cycle 11-12 refueling outage. The unit was in mode 6 at the end of the reporting period, with no fuel in the reactor. 2 3 5 F: Forced Reason: Exhibit G - Instructions Method: Exhibit I: Same Source Scheduled Equipment Failure (Explain) S: A: 1: Manual for preparation of data Maintenance or Test B: Manual Scram entry sheets for Licensee 2: Refueling C: Event Report (LER) File 3: Automatic Scram Regulatory Restriction D: 4: Other (Explain) (NUREG 0161) Operator Training and E: License Examination Administrative F: Operational Error (Explain) G: Other (Explain) H:

DOCKET N UNIT NAME: COMPLETED BY: TELEPHONE: DATE: PAGE:

50-315 D.C. Cook Unit 1 E.C. Schimmel (616) 465-5901 December 6, 1990 1 of 2

#### MONTHLY OPERATING ACTIVITIES - November 1990

#### <u>HIGHLIGHTS</u>

The unit entered the reporting period in mode 5. The unit entered mode 6 at 0202 hours on November 4, 1990. Core alterations began at 1323 hours on November 8, 1990 and the core offload was complete at 2200 hours on November 10, 1990. An unusual event was declared at 0507 hours on November 16, 1990, due to the planned evolution of both emergency diesel generators being inoperable. This was a planned outage activity while the reactor core was unloaded. The unusual event was exited at 1615 hours on November 16, 1990. An unusual event was declared at 1325 hours on November 28, 1990, due to the planned evolution of both emergency diesel generators being inoperable. This was a planned outage activity while the reactor core was unloaded. The unit exited the reporting period with the reactor coolant system in mode 6 and the reactor core unloaded.

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

### DETAILS

	11/	04/9	90	0202	The	unit	is	in	mode	6.
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- 11/08/90 1323 Commenced reactor core offloading.
- 11/10/90 2200 The reactor core offloading is complete.
- 11/16/90 0507 An unusual event is declared due to the planned evolution of both emergency diesel generators being made inoperable.
  - 1615 The unusual event is exited.
- 11/28/90 1325 An unusual event is declared due to the planned evolution of both emergency diesel generators being made inoperable.

DOCKET NO: UNIT NAME: COMPLETED BY: TELEPHONE: DATE: PAGE:

50-315 D.C. Cook Unit 1 E.C. Schimmel (616) 465-5901 December 6, 1990 1 of 1

# MAJOR SAFETY-RELATED MAINTENANCE - November 1990

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