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 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Nov 1990 for DC Cook Nuclear
 Plant Unit 1. W/901206 ltr.

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Indiana Michigan
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.A. Blind
Plant Manager

Attachment

c: NRC Region III
D.R. Hahn
EPRI - Nuclear Safety Analysis Center
R.C. Callen
S.L. Hall
J.G. Keppler
INPO Records Center
ANI Nuclear Engineering Department
D.H. Williams, Jr.
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N.R.C. OPERATING DATA REPORT

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

OPERATING STATUS

1. Unit Name D. C. Cook Unit 1
 2. Reporting Period NOV.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	720.0	8016.0	139512.0
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	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):			

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

January 15, 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 03-Dec-90
COMPLETED BY WT GILLET
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	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		
16	0		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: November 1990

DOCKET NO: 50-315
UNIT NAME: D.C. COOK UNIT 1
DATE: December 6, 1990
COMPLETED BY: E.C. Schimmel
TELEPHONE: (616) 465-5901

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
290 (cont.)	10/20/90	S	720.0	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 unit was in mode 6 at the end of the reporting period, with no fuel in the reactor.

¹
F: Forced
S: Scheduled

²
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)

³
Method:
1: Manual
2: Manual Scram
3: Automatic Scram
4: Other (Explain)

⁴
Exhibit G - Instructions
for preparation of data
entry sheets for Licensee
Event Report (LER) File
(NUREG 0161)

⁵
Exhibit I: Same Source

DOCKET NO. 50-315
UNIT NAME: D.C. Cook Unit 1
COMPLETED BY: E.C. Schimmel
TELEPHONE: (616) 465-5901
DATE: December 6, 1990
PAGE: 1 of 2

MONTHLY OPERATING ACTIVITIES - November 1990

HIGHLIGHTS

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

11/04/90	0202	The unit is in mode 6.
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: 50-315
UNIT NAME: D.C. Cook Unit 1
COMPLETED BY: E.C. Schimmel
TELEPHONE: (616) 465-5901
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PAGE: 1 of 1

MAJOR SAFETY-RELATED MAINTENANCE - November 1990

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