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 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Nov 1993 for DC Cook Nuclear
 Plant Unit 1.W/931203 ltr.

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



December 3, 1993

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 1993 is submitted.

Respectfully,

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 02/Dec/93
COMPLETED BY DG TURNER
TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 1
2. Reporting Period NOV 93
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 _____

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	165816.0
12. No. of Hrs. Reactor Was Critical	720.0	8016.0	124910.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	720.0	8016.0	122864.6
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	2329064	25686645	361128968
17. Gross Elect. Energy Gen. (MWH)	755360	8299570	117242930
18. Net Elect. Energy Gen. (MWH)	729175	8006521	112768886
19. Unit Service Factor	100.0	100.0	75.1
20. Unit Availability Factor	100.0	100.0	75.1
21. Unit Capacity Factor (MDC Net)	101.3	99.9	67.8
22. Unit Capacity Factor (DER Net)	99.3	97.9	66.0
23. Unit Forced Outage Rate	0.0	0.0	6.1

24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration):
Refueling outage to begin February 5, 1994 for an estimated duration of 70 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
 02/Dec/93 02/Dec/93
 DG TURNER DG TURNER
 TELEPHONE 616-465-5901

NOV 93

NOV 93

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
11/01/93	1012	11/17/93	1021
11/02/93	1016	11/18/93	1011
11/03/93	1010	11/19/93	1019
11/04/93	1011	11/20/93	1020
11/05/93	1014	11/21/93	1007
11/06/93	1019	11/22/93	946
11/07/93	1017	11/23/93	951
11/08/93	1020	11/24/93	1019
11/09/93	1018	11/25/93	1020
11/10/93	1023	11/26/93	1020
11/11/93	1020	11/27/93	1019
11/12/93	1019	11/28/93	1020
11/13/93	1020	11/29/93	1018
11/14/93	1020	11/30/93	1020
11/15/93	1019		0
11/16/93	1014		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: NOVEMBER 1993

UNIT NAME: D. C. COOK UNIT 1
DATE: Dec 1, 1993
COMPLETED BY: R. D. Reynnells
TELEPHONE: (616) 465-5901
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
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None

There wer no unit shutdown or
significant power reductions from
100% RTP 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 1061)	Exhibit I: Same Source

DOCKET NO.: 50-315
UNIT NAME: D.C. Cook Unit 1
COMPLETED BY: R. D. Reynnells
TELEPHONE: (616) 465-5901
DATE: Dec 1, 1993
PAGE: Page 1 of 1

MONTHLY OPERATING ACTIVITIES - NOVEMBER 1993

HIGHLIGHTS

The unit entered the reporting period in Mode 1 at 100% RTP.

The unit exited this reporting period in Mode 1 at 100% RTP.

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

Gross Electrical generation for the month of November was 755360 MWH.

DETAILS

11-21-93	1945	Commenced reactor power decrease to 90% RTP to remove MSR's from service.
	2145	Reactor power is at 90%.
11-22-93	0015	Commenced reactor power increase to 95% RTP.
	0240	Reactor power is at 95%.
11-24-93	0230	Commenced reactor power increase to 100% RTP.
	0355	Reactor power is at 100% RTP.

DOCKET NO: 50-315
UNIT NAME: D.C. Cook Unit 1
COMPLETED BY: M. E. Russo
TELEPHONE: (616) 465-5901
DATE: December 3, 1993
PAGE: 1 of 1

MAJOR SAFETY-RELATED MAINTENANCE - November 1993

No major safety-related maintenance items are included for the month of November.