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 BLIND, A.A. Indiana Michigan Power Co. (formerly Indiana & Michigan Ele  
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Nov 1992 for DC Cook Nuclear  
 Plant Unit 1. W/921204 ltr.

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 TITLE: Monthly Operating Report (per Tech Specs)

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



December 4, 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 1 Technical Specification 6.9.1.10, the attached Monthly  
Operating Report for the month of November 1992 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 03-Dec-92  
 COMPLETED BY CB Zygmunt  
 TELEPHONE 616-465-5901

## OPERATING STATUS

1. Unit Name D. C. Cook Unit 1
2. Reporting Period November 92
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	8041.0	157057.0
12. No. of Hrs. Reactor Was Critical	720.0	5009.1	116150.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	720.0	4948.8	114104.6
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	2036159	13845811	333030501
17. Gross Elect. Energy Gen. (MWH)	650370	4414830	108160590
18. Net Elect. Energy Gen. (MWH)	624038	4235002	104006711
19. Unit Service Factor	100.0	61.5	73.6
20. Unit Availability Factor	100.0	61.5	73.6
21. Unit Capacity Factor (MDC Net)	86.7	52.7	65.8
22. Unit Capacity Factor (DER Net)	84.1	51.5	64.1
23. Unit Forced Outage Rate	0.0	0.0	6.5
24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration):	None		

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  
DATE 03-Dec-92  
COMPLETED BY CB Zygmunt  
TELEPHONE 616-465-5901

MONTH November 92

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	401	17	1009
2	513	18	1007
3	604	19	1012
4	499	20	894
5	525	21	495
6	711	22	504
7	914	23	876
8	991	24	1016
9	990	25	1014
10	992	26	1014
11	993	27	1014
12	971	28	1023
13	980	29	1016
14	989	30	1017
15	999		
16	1019		

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: November 1992

UNIT NAME: D.C. COOK UNIT 1  
DATE: December 4, 1992  
COMPLETED BY: G.J. Costello  
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
304	921120	S	N/A	B	4	N/A	N/A	N/A	After increasing and stabilizing unit one reactor power at 100% RTP on 921115, reactor power was reduced to 55% RTP to support Zebra Mussel cleanup in the intake forebay and to permit removing a main feedpump from service to clean feed pump turbine condenser waterboxes. The reactor was returned to 100% RTP on 921123.

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. 50-315  
UNIT NAME: D.C. Cook Unit 1  
COMPLETED BY: G.J. Costello  
TELEPHONE: (616) 465-5901  
DATE: December 4, 1992  
PAGE: 1 of 2

MONTHLY OPERATING ACTIVITIES - NOVEMBER 1992

HIGHLIGHTS

The unit entered the reporting period in Mode 1 at 48% 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 650370 MWH.

DETAILS

11-2-92	0145	Commenced reactor power increase.
11-3-92	0511	Stabilized reactor power at 69% RTP for full core flux map.
	1050	Commenced reactor power increase.
	1330	Reactor power increase stopped due to condenser waterbox fouling due to influx of Zebra Mussels.
	1346	Commenced reactor power decrease to clean condenser waterboxes
	1903	Reactor power is at 55% RTP.
11-5-92	1440	Commenced reactor power increase.
11-6-92	1404	Notified NRC of potential unmonitored release of gas decay tank.
	1608	Stopped reactor power increase at 78% RTP due to a high level trip signal on NIS power range channel N-42.
	1716	N-42 reset, commenced reactor power increase.
	2235	Reactor power is at 99% RTP.
11-9-92	1137	Completed incore flux map.

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COMPLETED BY: G.J. Costello  
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PAGE: 2 of 2

MONTHLY OPERATING ACTIVITIES - NOVEMBER 1992

11-15-92	1406	Commenced reactor power increase.
	1721	Reactor power is at 100% RTP (first time in cycle 13).
11-20-92	1408	Commenced power reduction to 55% RTP to support Zebra Mussel cleanup.
	2220	Reactor power is at 55% RTP.
11-22-92	1920	Commenced reactor power increase.
11-23-93	0500	Stopped reactor power increase at 79% for chemistry hold.
	0715	Commenced reactor power increase.
	1519	Reactor power is at 100% RTP.



DOCKET NO: 50-315  
UNIT NAME: D.C. Cook Unit 1  
COMPLETED BY: E.C. Schimmel  
TELEPHONE: (616) 465-5901  
DATE: December 4, 1992  
PAGE: 1 of 1

MAJOR SAFETY-RELATED MAINTENANCE - November 1992

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

