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 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Apr 1994 for DC Cook Nuclear
 Plant Unit 2.W/940506 ltr.

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 TITLE: Monthly Operating Report (per Tech Specs)

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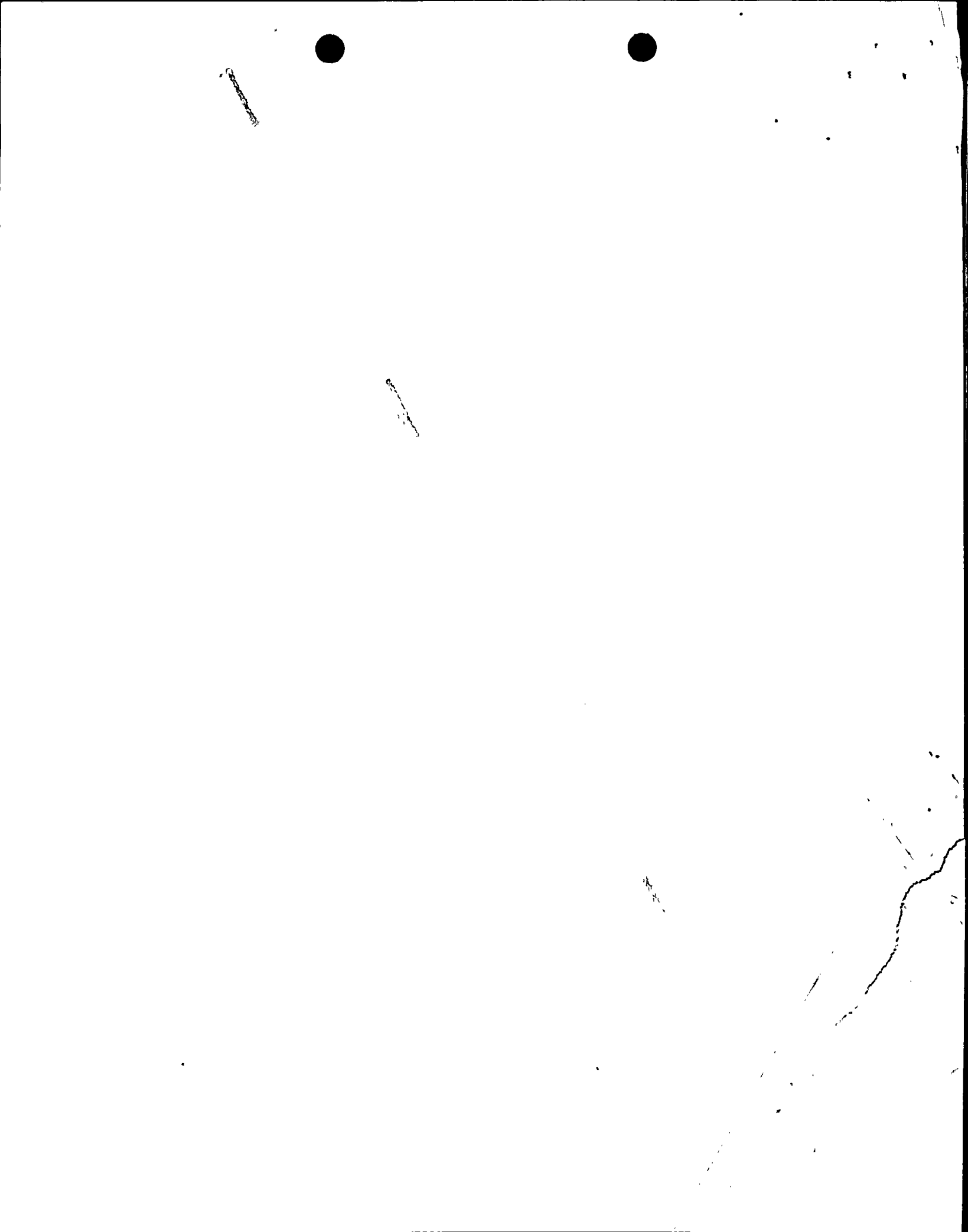
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Indiana Michigan
Power Company
Cook Nuclear Plant
One Cook Place
Bridgman, MI 49106
616 465 5901



May 6, 1994

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 2 Technical Specification 6.9.1.10, the attached Monthly
Operating Report for the month of April 1994 is submitted.

Respectfully,

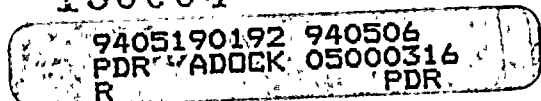
A handwritten signature in cursive script that reads 'A. A. Blind'.

A.A. Blind
Plant Manager

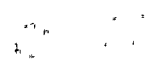
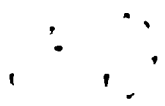
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196004



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N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-316
 DATE 03/May/94
 COMPLETED BY JD Janisse
 TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 2
 2. Reporting Period April 1994
 3. Licensed Thermal Power (MWt) 3411
 4. Name Plate Rating (Gross MWe) 1133
 5. Design Electrical Rating (Net MWe) 1090
 6. Maximum Dependable Capacity (GROSS MWe) 1100
 7. Maximum Dependable Capacity (Net MWe) 1060
 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	2880.0	143136.0
12. No. of Hrs. Reactor Was Critical	410.7	1622.8	96471.8
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	158.5	1275.4	93051.3
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	346047	3206646	285320740
17. Gross Elect. Energy Gen. (MWH)	93380	998350	92606250
18. Net Elect. Energy Gen. (MWH)	88069	955055	89181037
19. Unit Service Factor	22.0	44.3	66.1
20. Unit Availability Factor	22.0	44.3	66.1
21. Unit Capacity Factor (MDC Net)	11.5	31.3	59.6
22. Unit Capacity Factor (DER Net)	11.2	30.4	58.1
23. Unit Forced Outage Rate	78.0	53.1	16.3

24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration):
Refueling outage to begin September 2, 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. 50-316
UNIT TWO
03/May/94
JD Janisse
TELEPHONE 616-465-5901

April 1994

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
94/04/01	0	94/04/17	0
94/04/02	0	94/04/18	0
94/04/03	0	94/04/19	0
94/04/04	0	94/04/20	0
94/04/05	0	94/04/21	0
94/04/06	0	94/04/22	0
94/04/07	0	94/04/23	0
94/04/08	0	94/04/24	172
94/04/09	0	94/04/25	546
94/04/10	0	94/04/26	588
94/04/11	0	94/04/27	566
94/04/12	0	94/04/28	552
94/04/13	0	94/04/29	620
94/04/14	0	94/04/30	626
94/04/15	0		
94/04/16	0		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: APRIL 1994

UNIT NAME: D. C. COOK UNIT 2
 DATE: May 9, 1994
 COMPLETED BY: R. D. Reynells
 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
234	940221	F	561.5	H	3	94-01/U-2	SB	ISV	Repairs to the Main Generator were completed, Unit 2 was paralleled to the Grid on April 24, 1994.

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 1061)	⁵ Exhibit I: Same Source
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DOCKET NO.: 50-316
UNIT NAME: D.C. Cook Unit 2
COMPLETED BY: R. D. Reynnells
TELEPHONE: (616) 465-5901
DATE: May 9, 1994
PAGE: Page 1 of 2

MONTHLY OPERATING ACTIVITIES - APRIL 1994

HIGHLIGHTS

The unit entered the reporting period in Mode 4 at 0% RTP. Main Turbine Generator repairs were completed with the Main Generator being paralleled to the Grid on April 24.

The unit exited this reporting period in Mode 1 at 62% RTP.

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

Gross Electrical generation for the month of April was 93380 MWH.

DETAILS

04-09-94	1707	Commenced RCS Heatup.
	1800	Entered Mode 3.
04-13-94	2116	Commenced Reactor Startup. Entered Mode 2.
	2218	Unit 2 Reactor is critical.
04-19-94	1435	Commenced power increase to roll the Main Turbine.
	1512	Entered Mode 1.
04-20-94	0438	Commence power reduction to Mode 2.
	0507	Entered Mode 2.
	2125	Commenced power increase to roll the Main Turbine.
	2200	Entered Mode 1.
04-24-94	1028	Paralleled the Main Turbine Generator to the Grid, commenced power increase.
	1155	Reactor power stabilized at 29% RTP.
	1315	Commenced reactor power increase.
04-25-94	0639	Reactor power stabilized at 60% RTP.



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DOCKET NO.: 50-316
UNIT NAME: D.C. Cook Unit 2
COMPLETED BY: R. D. Reynnells
TELEPHONE: (616) 465-5901
DATE: May 9, 1994
PAGE: Page 2 of 2

MONTHLY OPERATING ACTIVITIES - APRIL 1994

(DETAILS cont)

04-27-94	1435	Commence power reduction to 55% RTP.
	1645	Reactor power stabilized at 55% RTP.
04-28-94	1335	Commenced power increase to 62% RTP.
	1815	Reactor power stabilized at 62% RTP.