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RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Apr 1993 for DC Cook Nuclear  
Plant, unit 2.W/(930505) 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



May 5, 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 2 Technical Specification 6.9.1.10, the attached Monthly  
Operating Report for the month of April 1993 is submitted.

Respectfully,

A.A. Blind  
Plant Manager

Attachment

c: NRC Region III  
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INPO Records Center  
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# N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-316  
 DATE 04-May-93  
 COMPLETED BY DG Turner  
 TELEPHONE 616-465-5901

## OPERATING STATUS

1. Unit Name D. C. Cook Unit 2  
 2. Reporting Period April 93  
 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) 1090  
 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	719.0	2879.0	134376.0
12. No. of Hrs. Reactor Was Critical	719.0	2879.0	89236.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	719.0	2879.0	86195.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	2279740	9622917	267210689
17. Gross Elect. Energy Gen. (MWH)	746450	3174460	86928490
18. Net Elect. Energy Gen. (MWH)	720590	3074503	83746675
19. Unit Service Factor	100.0	100.0	65.3
20. Unit Availability Factor	100.0	100.0	65.3
21. Unit Capacity Factor (MDC Net)	91.9	98.0	59.7
22. Unit Capacity Factor (DER Net)	91.9	98.0	58.2
23. Unit Forced Outage Rate	0.0	0.0	15.9
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. 50-316  
 UNIT TWO  
 DATE 04-May-93  
 COMPLETED BY DG Turner  
 TELEPHONE 616-465-5901

MONTH April 93

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	1094	17	1085
2	1046	18	1089
3	571	19	1084
4	559	20	1086
5	559	21	1081
6	557	22	1090
7	650	23	1083
8	1084	24	1088
9	1091	25	1086
10	1086	26	1088
11	1091	27	1087
12	1089	28	1086
13	1089	29	1076
14	1085	30	1081
15	1091		
16	1091		

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: APRIL 1993

UNIT NAME: D. C. COOK UNIT 2  
 DATE: May 7, 1993  
 COMPLETED BY: R. D. Reynnells  
 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
227	930402	S	N/A	B	N/A	N/A	N/A	N/A	The reactor power was reduced to 56% RTP on 930402 to accommodate the removal of one main feed pump from service at a time for planned maintenance activities. Reactor power was returned to 100% RTP on 930408.

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 7, 1993  
PAGE: Page 1 of 1

MONTHLY OPERATING ACTIVITIES - APRIL 1993

HIGHLIGHTS

The unit entered the reporting period in Mode 1 at 100% RTP. On 04-02-93 reactor power was reduced to 56% to accommodate the removal of one main feed pump from service at a time for planned maintenance activities. The Unit was returned to 100% RTP on 04-08-93.

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 April was 746450 MWH.

DETAILS

04-02-93	1914	Commenced reactor power decrease to perform planned maintenance on the main feedpumps.
04-03-93	0335	Reactor power stabalized at 56% RTP.
	0515	West main feedpump in service, east main feedpump removed from service.
04-04-93	1450	East main feedpump in service, west main feedpump removed from service.
04-07-93	0550	West main feedpump placed in service.
	1515	Commenced reactor power increase.
04-08-93	0540	Reactor power is at 100% RTP.

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DOCKET NO: 50-316  
UNIT NAME: D.C. Cook Unit 2  
COMPLETED BY: M. E. Russo  
TELEPHONE: (616) 465-5901  
DATE: May 5, 1992  
PAGE: 1 of 1

MAJOR SAFETY-RELATED MAINTENANCE - April 1993

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