

N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-316  
 DATE 17-Apr-90  
 COMPLETED BY WT Gillett  
 TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 2 -----  
 2. Reporting Period MARCH 90 notes  
 3. Licensed Thermal Power (MWt) 3411  
 4. Name Plate Rating (Gross MWe) 1133  
 5. Design Electrical Rating (Net MWe) 1100  
 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 \_\_\_\_\_

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	744.0	2160.0	107352.0
12. No. of Hrs. Reactor Was Critical	744.0	1695.2	71871.2
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	744.0	1683.6	70413.1
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	2534067	5677778	216555668
17. Gross Elect. Energy Gen. (MWH)	843300	1885910	70682020
18. Net Elect. Energy Gen. (MWH)	816057	1824350	68070008
19. Unit Service Factor	100.0	77.9	67.1
20. Unit Availability Factor	100.0	77.9	67.1
21. Unit Capacity Factor (MDC Net)	103.5	79.7	61.2
22. Unit Capacity Factor (DER Net)	99.7	76.8	59.6
23. Unit Forced Outage Rate	0.0	17.2	13.9

24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration):  
Refueling outage to begin on June 23, 1990 for an estimated duration of 77 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		

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 R PDC



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

50-316



U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

April 4, 1990

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 March 1990 is submitted.

Respectfully,

*A. Alan Blind*  
A.A. Blind  
Plant Manager

c: B.A. Svensson  
NRC Region III  
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EPRI - Nuclear Safety Analysis Center  
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B.L. Jorgensen  
W.T. Gillett  
E.A. Smarrella  
J. Krieger  
E.C. Schimmel

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N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-316  
 DATE 04-Apr-90  
 COMPLETED BY WT Gillett  
 TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 2 -----  
 2. Reporting Period MARCH 90 notes  
 3. Licensed Thermal Power (Mwt) 3411  
 4. Name Plate Rating (Gross MWe) 1133  
 5. Design Electrical Rating (Net MWe) 1100  
 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 \_\_\_\_\_

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	744.0	8040.0	104472.0
12. No. of Hrs. Reactor Was Critical	744.0	5860.9	69456.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	744.0	5799.5	68009.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	2534067	19035456	208601833
17. Gross Elect. Energy Gen. (MWH)	843300	6154900	68051120
18. Net Elect. Energy Gen. (MWH)	816057	5942584	65527248
19. Unit Service Factor	100.0	72.1	66.6
20. Unit Availability Factor	100.0	72.1	66.6
21. Unit Capacity Factor (MDC Net)	103.5	69.7	60.5
22. Unit Capacity Factor (DER Net)	99.7	67.2	59.0
23. Unit Forced Outage Rate	0.0	6.9	13.9

24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration):  
Refueling outage to begin on June 23, 1990, for an estimated duration of 77 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  
DATE 04-Apr-90  
COMPLETED BY WT Gillett  
TELEPHONE 616-465-5901

MONTH MARCH 90

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	1091	17	1097
2	1093	18	1098
3	1097	19	1096
4	1099	20	1096
5	1096	21	1097
6	1100	22	1098
7	1099	23	1097
8	1099	24	1090
9	1097	25	1100
10	1097	26	1100
11	1101	27	1095
12	1100	28	1097
13	1097	29	1094
14	1098	30	1098
15	1097	31	1094
16	1096		



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: March 1990

DOCKET NO: 50-316  
 UNIT NAME: D.C. COOK UNIT 2  
 DATE: April 4, 1990  
 COMPLETED BY: E.C. Schimmel  
 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
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None

There were no unit shutdowns or significant power reductions from the maximum power level of 100% during the month.

<p><sup>1</sup>                  F: Forced                  S: Scheduled</p>	<p><sup>2</sup>                  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)</p>	<p><sup>3</sup>                  Method:                  1: Manual                  2: Manual Scram                  3: Automatic Scram                  4: Other (Explain)</p>	<p><sup>4</sup>                  Exhibit G - Instructions for preparation of data entry sheets for Licensee Event Report (LER) File (NUREG 0161)</p>	<p><sup>5</sup>                  Exhibit I: Same Source</p>
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DOCKET NO: 50-316  
UNIT NAME: D.C. Cook Unit 2  
COMPLETED BY: E.C. Schimmel  
TELEPHONE: (616) 465-5901  
DATE: April 4, 1990  
PAGE: 1 of 1

MONTHLY OPERATING ACTIVITIES - March 1990

HIGHLIGHTS

The unit entered the reporting period at 100% Rated Thermal Power and exited the reporting period at 100% Rated Thermal Power, with no significant load changes.

Gross electrical generation for the month of March was 843300 MWH.

DETAILS

There were no significant operational events during the month of March.

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PAGE: 1 of 1

MAJOR SAFETY-RELATED MAINTENANCE - MARCH 1990

- 2-IC-1 Replaced defective power supply in power range drawer N-41.
- 2-M-1 Replaced the CD Diesel Generator starting air compressor.