

# FORD 2

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SUBJECT: Monthly operating rept for Mar 1990 for Donald C Cook, Unit  
 2.W/900404 ltr.

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Indiana Michigan  
Power Company  
Cook Nuclear Plant  
One Cook Place  
Bridgman, MI 49106  
313 465 5901

INDIANA  
MICHIGAN  
POWER

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*

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Plant Manager

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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):<br><u>Refueling outage to begin on June 23, 1990, for an estimated duration of 77 days.</u> |          |             |           |
| 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<br>POWER LEVEL | DAY | AVERAGE DAILY<br>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<br>HOURS | REASON <sup>2</sup> | METHOD OF<br>SHUTTING<br>DOWN<br>REACTOR <sup>3</sup> | LICENSEE<br>EVENT<br>REPORT NO. | SYSTEM<br>CODE <sup>4</sup> | COMPONENT<br>CODE <sup>5</sup> | CAUSE AND CORRECTIVE ACTION TO<br>PREVENT RECURRENCE |
|-----|------|-------------------|-------------------|---------------------|---|---------------------------------|-----------------------------|--------------------------------|--|
|-----|------|-------------------|-------------------|---------------------|---|---------------------------------|-----------------------------|--------------------------------|--|

None

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

|                                |   |  |  |                             |
|--------------------------------|---|--|--|-----------------------------|
| 1<br>F: Forced<br>S: Scheduled | 2<br>Reason:<br>A: Equipment Failure (Explain)<br>B: Maintenance or Test<br>C: Refueling<br>D: Regulatory Restriction<br>E: Operator Training and<br>License Examination<br>F: Administrative<br>G: Operational Error (Explain)<br>H: Other (Explain) | 3<br>Method:<br>1: Manual<br>2: Manual Scram<br>3: Automatic Scram<br>4: Other (Explain) | 4<br>Exhibit G - Instructions<br>for preparation of data<br>entry sheets for Licensee<br>Event Report (IER) File<br>(NUREG 0161) | 5<br>Exhibit I: Same Source |
|--------------------------------|---|--|--|-----------------------------|

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.