

CATEGORY 1

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Dec 1995 for DC Cook Nuclear
 Plant Unit 2.W/960103 ltr.

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



INDIANA
MICHIGAN
POWER

January 3, 1996

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
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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
December 1995 is submitted.

Respectfully,

A.A. Blind
Plant Manager

Attachment

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N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-316
 DATE 03/Jan/96
 COMPLETED BY JD Janisse
 TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 2
 2. Reporting Period Dec 1995 notes
 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

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 | 8760.0 | 157776.0 |
| 12. No. of Hrs. Reactor Was Critical | 744.0 | 8307.8 | 108324.3 |
| 13. Reactor Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 14. Hours Generator on Line | 744.0 | 8270.6 | 104805.7 |
| 15. Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 16. Gross Therm. Energy Gen. (MWH) | 2489173 | 27536283 | 321634464 |
| 17. Gross Elect. Energy Gen. (MWH) | 819360 | 8899370 | 104206360 |
| 18. Net Elect. Energy Gen. (MWH) | 792659 | 8602528 | 100359963 |
| 19. Unit Service Factor | 100.0 | 94.4 | 67.4 |
| 20. Unit Availability Factor | 100.0 | 94.4 | 67.4 |
| 21. Unit Capacity Factor (MDC Net) | 100.5 | 92.6 | 60.8 |
| 22. Unit Capacity Factor (DER Net) | 97.7 | 90.1 | 59.3 |
| 23. Unit Forced Outage Rate | 0.0 | 5.6 | 15.1 |
| 24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration): <u>Refueling outage to begin March 23, 1996 for an estimated duration of 50 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 03/Jan/96
COMPLETED BY JD Janisse
TELEPHONE 616-465-5901

MONTH Dec 1995

| DAY | AVERAGE DAILY POWER LEVEL | DAY | AVERAGE DAILY POWER LEVEL |
|-----|------------------------------|-----|------------------------------|
| 1 | 1089 | 17 | 1087 |
| 2 | 1084 | 18 | 1090 |
| 3 | 1087 | 19 | 1092 |
| 4 | 1087 | 20 | 1089 |
| 5 | 1085 | 21 | 1090 |
| 6 | 1095 | 22 | 1087 |
| 7 | 1069 | 23 | 1092 |
| 8 | 1050 | 24 | 1089 |
| 9 | 1084 | 25 | 1089 |
| 10 | 609 | 26 | 1089 |
| 11 | 925 | 27 | 1087 |
| 12 | 1072 | 28 | 1088 |
| 13 | 1091 | 29 | 1089 |
| 14 | 1090 | 30 | 1088 |
| 15 | 1086 | 31 | 1088 |
| 16 | 1091 | | |

DOCKET NO: 50-316
UNIT NAME: D.C. Cook Unit 2
COMPLETED BY: M.E. Russo
TELEPHONE: 616-465-5901
DATE: January 3, 1996
PAGE: Page 1 of 2

MONTHLY OPERATING ACTIVITIES - DECEMBER 1995

HIGHLIGHTS

The unit entered this reporting period in Mode 1 at 100% RTP.

Reactor power was decreased to 94% RTP December 7, 1995 at 1641 to recover from a Moisture Separator Reheater transient caused by a tube bundle isolation. Reactor power was stabilized at 100% RTP December 8, 1995 at 0845 to meet system demands. Reactor power was decreased to 95% RTP December 8, 1995 at 2052 to place the Moisture Separator Reheaters in service. Reactor power was stabilized at 100% RTP December 9, 1995 at 0400. Reactor power was decreased to 55% RTP December 10, 1995 at 0518. Main Feed Pump condenser cleanings were performed following high differential pressures on the traveling screens caused by large amounts of storm intake debris. Reactor power was stabilized at 100% RTP December 11, 1995 at 1445.

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 December was 819360 MWH.

DETAILS

| | | |
|----------|------|---|
| 12-07-95 | 1641 | Reactor power decreased to 94% RTP due to a Moisture Separator Reheater transient. |
| 12-08-95 | 0730 | Commenced Reactor power ascension to 100% RTP. |
| | 0845 | Reactor power stabilized at 100% RTP. |
| | 2010 | Commenced Reactor power decrease to 95% RTP to place Moisture Separator Reheaters in service. |
| | 2052 | Reactor power stabilized at 95% RTP. |
| 12-09-95 | 0400 | Reactor power stabilized at 100% RTP. |
| 12-10-95 | 0113 | Commenced Reactor power decrease to 55% RTP to perform Main Feed Pump condenser cleaning. |
| | 0518 | Reactor power stabilized at 55% RTP. |

DOCKET NO: 50-316
UNIT NAME: D.C. Cook Unit 2
COMPLETED BY: M.E. Russo
TELEPHONE: 616-465-5901
DATE: January 3, 1996
PAGE: Page 2 of 2

MONTHLY OPERATING ACTIVITIES - DECEMBER 1995

DETAILS (cont'd)

| | | |
|----------|------|--|
| 12-11-95 | 0000 | Commenced Reactor power ascension to 100% RTP. |
| | 1445 | Reactor power stabilized at 100% RTP. |

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: DECEMBER 1995

UNIT NAME: D.C. COOK UNIT
DATE: January 3, 1996.
COMPLETED BY: M.E. Russo
TELEPHONE: 616-465-5901
PAGE: 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 |
|-----|--------|-------------------|-------------------|---------------------|---|---------------------------------|-----------------------------|--------------------------------|--|
| 249 | 951210 | F | N/A | B | N/A | N/A | N/A | N/A | Reactor power was decreased to 55% RTP 951210 at 0518. Main Feed Pump condenser cleanings were performed following high differential pressures on the traveling screens caused by large amounts of storm intake debris. Reactor power was stabilized at 100% RTP 951211 at 1445. |

| | | | | |
|---------------------------|---|---|---|------------------------|
| 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 |