

Indiana Michigan
Power Company
500 Circle Drive
Buchanan, MI 49107 1395



May 13, 2002

AEP:NRC:2691-12

Docket Nos. 50-315
50-316

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Mail Stop O-P1-17
Washington, DC 20555-0001

Donald C. Cook Nuclear Plant Units 1 and 2
MONTHLY OPERATING REPORT

Pursuant to the requirements of Donald C. Cook Nuclear Plant Unit 1 and Unit 2
Technical Specification 6.9.1.8, the attached Monthly Operating Report for
April 2002 is submitted.

Sincerely,

Scot A. Greenlee
Director, Nuclear Technical Services

INJ/pae

Attachments

IE 24

c: ANI Nuclear Engineering Department
G. P Arent
A. C. Bakken, III
L. Brandon - Department of Health
G. T. Gaffney – Canton
S. A. Greenlee
S. Hamming – Department of Labor
RAF Harris
INPO Records Center
B. Lewis – McGraw-Hill Companies
D. H. Malin
B. A. McIntyre
NRC Project Manager – NRR
NRC Region III
NRC Resident Inspector
D. W. Paul – Columbus
J. E. Pollock
W. H. Schalk

N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-315
 DATE 5/2/02
 COMPLETED BY RAF Harris
 TELEPHONE 616-465-5901

OPERATING STATUS

- | | | |
|--|-------------------|--------|
| 1. Unit Name | D. C. Cook Unit 1 | Notes: |
| 2. Reporting Period | Apr-02 | |
| 3. Licensed Thermal Power (MWt) | 3250 | |
| 4. Name Plate Rating (Gross MWe) | 1152 | |
| 5. Design Electrical Rating (Net MWe) | 1020 | |
| 6. Maximum Dependable Capacity(GROSS MWe) | 1056 | |
| 7. Maximum Dependable Capacity (Net MWe) | 1000 | |
| 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. _____

| | This Mo. | Yr. to Date | Cumm. |
|--------------------------------------|-----------|-------------|-------------|
| 11. Hours in Reporting Period | 719.0 | 2879.0 | 239567.0 |
| 12. No. of Hrs. Reactor Was Critical | 719.0 | 2879.0 | 162400.3 |
| 13. Reactor Reserve Shutdown Hours | 0.0 | 0.0 | 463.0 |
| 14. Hours Generator on Line | 707.9 | 2867.9 | 159773.3 |
| 15. Unit Reserve Shutdown Hours | 0.0 | 0.0 | 321.0 |
| 16. Gross Therm. Energy Gen. (MWH) | 2245565.4 | 9214787.4 | 474720094.4 |
| 17. Gross Elect. Energy Gen. (MWH) | 722810.0 | 3006190.0 | 154239010.0 |
| 18. Net Elect. Energy Gen. (MWH) | 699099.8 | 2909764.8 | 148444058.8 |
| 19. Unit Service Factor | 98.5 | 99.6 | 67.2 |
| 20. Unit Availability Factor | 98.5 | 99.6 | 67.2 |
| 21. Unit Capacity Factor (MDC Net) | 97.2 | 101.1 | 63.5 |
| 22. Unit Capacity Factor (DER Net) | 95.3 | 99.1 | 62.2 |
| 23. Unit Forced Outage Rate | 1.5 | 0.4 | 19.6 |

24. Shutdowns Scheduled over Next Six Months (Type,Date,and Duration): _____
Refueling outage 18 is scheduled to begin during the second quarter of 2002. The proposed length of the outage is 35 days.

25. If Shut Down At End of Report Period, Est'd 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. 50-315
UNIT ONE
DATE 02-May-02
COMPLETED BY RAF Harris
TELEPHONE 616-465-5901

MONTH Apr-02

| DAY | AVERAGE DAILY POWER LEVEL | DAY | AVERAGE DAILY POWER LEVEL |
|---------|------------------------------|---------|------------------------------|
| 4/1/02 | 1037 | 4/17/02 | 1022 |
| 4/2/02 | 1026 | 4/18/02 | 1036 |
| 4/3/02 | 1035 | 4/19/02 | 1010 |
| 4/4/02 | 1030 | 4/20/02 | 1028 |
| 4/5/02 | 1033 | 4/21/02 | 1021 |
| 4/6/02 | 1034 | 4/22/02 | 1029 |
| 4/7/02 | 1032 | 4/23/02 | 1020 |
| 4/8/02 | 1030 | 4/24/02 | 1025 |
| 4/9/02 | 1034 | 4/25/02 | 719 |
| 4/10/02 | 1034 | 4/26/02 | 156 |
| 4/11/02 | 1024 | 4/27/02 | 670 |
| 4/12/02 | 1030 | 4/28/02 | 981 |
| 4/13/02 | 1028 | 4/29/02 | 956 |
| 4/14/02 | 1029 | 4/30/02 | 970 |
| 4/15/02 | 1027 | | |
| 4/16/02 | 1027 | | |

DOCKET NO. 50 - 315
 UNIT NAME D.C. Cook Unit 1
 DATE May 9, 2002
 COMPLETED BY N Jackiw
 TELEPHONE 616-465-5901
 PAGE 1 of 1

UNIT SHUTDOWNS AND POWER REDUCTIONS – April 2002

| 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 |
|-----|--------|-------------------|-------------------|---------------------|---|---------------------------------|-----------------------------|--------------------------------|---|
| 343 | 020425 | F | 11.1 | A | 4 | | FK | BKR | Turbine Generator taken off-line to repair a damaged Breaker K1 disconnect. Reactor remained at 8% power. |

1 TYPE:
 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 SYSTEM:
 Exhibit G - Instructions for preparation of data entry sheets for Licensee Event Report (LER) File (NUREG 0161)

5 COMPONENT:
 Exhibit I: Same Source

N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-316
 DATE 5/2/02
 COMPLETED BY RAF Harris
 TELEPHONE 616-465-5901

OPERATING STATUS

- | | | |
|--|-------------------|--------|
| 1. Unit Name | D. C. Cook Unit 2 | |
| 2. Reporting Period | | Apr-02 |
| 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. _____

| | This Mo. | Yr. to Date | Cumm. |
|--|-----------|-------------|-------------|
| 11. Hours in Reporting Period | 719.0 | 2879.0 | 213713.0 |
| 12. No. of Hrs. Reactor Was Critical | 719.0 | 1980.5 | 136085.5 |
| 13. Reactor Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 14. Hours Generator on Line | 719.0 | 1904.3 | 132306.2 |
| 15. Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 16. Gross Therm. Energy Gen. (MWH) | 2402037.1 | 6112653.9 | 412940003.2 |
| 17. Gross Elect. Energy Gen. (MWH) | 794790.0 | 2008750.0 | 133835260.0 |
| 18. Net Elect. Energy Gen. (MWH) | 770102.0 | 1944016.7 | 129009070.6 |
| 19. Unit Service Factor | 100.0 | 66.1 | 62.6 |
| 20. Unit Availability Factor | 100.0 | 66.1 | 62.6 |
| 21. Unit Capacity Factor (MDC Net) | 101.0 | 63.7 | 58.1 |
| 22. Unit Capacity Factor (DER Net) | 98.3 | 61.9 | 56.5 |
| 23. Unit Forced Outage Rate | 0.0 | 0.5 | 24.4 |
| 24. Shutdowns Scheduled over Next Six Months (Type,Date,and Duration): _____ | | | |

25. If Shut Down At End of Report Period, Est'ed 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 2-May-02
COMPLETED BY RAF Harris
TELEPHONE 616-465-5901

MONTH Apr-02

| DAY | AVERAGE DAILY POWER LEVEL | DAY | AVERAGE DAILY POWER LEVEL |
|---------|------------------------------|---------|------------------------------|
| 4/1/02 | 1093 | 4/17/02 | 1092 |
| 4/2/02 | 1095 | 4/18/02 | 1095 |
| 4/3/02 | 1100 | 4/19/02 | 1093 |
| 4/4/02 | 1059 | 4/20/02 | 1096 |
| 4/5/02 | 511 | 4/21/02 | 1100 |
| 4/6/02 | 937 | 4/22/02 | 1093 |
| 4/7/02 | 1098 | 4/23/02 | 1093 |
| 4/8/02 | 1100 | 4/24/02 | 1092 |
| 4/9/02 | 1104 | 4/25/02 | 1091 |
| 4/10/02 | 1099 | 4/26/02 | 1090 |
| 4/11/02 | 1102 | 4/27/02 | 1091 |
| 4/12/02 | 1100 | 4/28/02 | 1092 |
| 4/13/02 | 1100 | 4/29/02 | 1093 |
| 4/14/02 | 1100 | 4/30/02 | 1087 |
| 4/15/02 | 1095 | | |
| 4/16/02 | 1098 | | |

DOCKET NO. 50 - 316
 UNIT NAME D.C. Cook Unit 2
 DATE May 9, 2002
 COMPLETED BY IN Jackiw
 TELEPHONE 616-465-5901
 PAGE 1 of 1

UNIT SHUTDOWNS AND POWER REDUCTIONS – April 2002

| 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 |
|-----|--------|-------------------|-------------------|---------------------|---|---------------------------------|-----------------------------|--------------------------------|---|
| 342 | 020405 | F | 0.0 | A | 4 | LER 2002-003 | EJ | BTRY | Power reduction from approximately 100% to 40% to replace three 2AB 250V DC Station Battery cells that exhibited indications of cracking. |

1 TYPE:
 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)

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 Exhibit I: Same Source