

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



October 15, 2002

AEP:NRC:2691-21

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
September 2002 is submitted.

Sincerely,

A handwritten signature in black ink, appearing to read 'Scot A. Greenlee', is written over a horizontal line.

Scot A. Greenlee
Director, Nuclear Technical Services

BWO/pae

Attachments

IE24

c: ANI Nuclear Engineering Department
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
M. K. Scarpello
W. H. Schalk

NRC OPERATING DATA REPORT

DOCKET NO. 50 - 315
 DATE 10/1/02
 COMPLETED BY RAF Harris
 TELEPHONE 616-465-5901

OPERATING STATUS

- | | | |
|---|-------------------|--------------|
| 1. Unit Name | D. C. Cook Unit 1 | Note: |
| 2. Reporting Period | Sep-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, If Any: _____

| | This Mo. | Yr. to Date | Cumm. |
|--|-----------|-------------|-------------|
| 11. Hours in Reporting Period | 720.0 | 6551.0 | 243239.0 |
| 12. No. of Hrs. Reactor Was Critical | 720.0 | 5618.3 | 165139.6 |
| 13. Reactor Reserve Shutdown Hours | 0.0 | 0.0 | 463.0 |
| 14. Hours Generator on Line | 720.0 | 5574.5 | 162479.9 |
| 15. Unit Reserve Shutdown Hours | 0.0 | 0.0 | 321.0 |
| 16. Gross Thermal Energy Gen. (MWH) | 2338611.6 | 17709845.4 | 483215152.4 |
| 17. Gross Electrical Energy Gen. (MWH) | 744160.0 | 5709650.0 | 156942470.0 |
| 18. Net Electrical Energy Gen. (MWH) | 718927.0 | 5518116.6 | 151052410.5 |
| 19. Unit Service Factor | 100.0 | 85.1 | 67.3 |
| 20. Unit Availability Factor | 100.0 | 85.1 | 67.3 |
| 21. Unit Capacity Factor (MDC Net) | 99.9 | 84.2 | 63.6 |
| 22. Unit Capacity Factor (DER Net) | 97.9 | 82.6 | 62.3 |
| 23. Unit Forced Outage Rate | 0.0 | 1.7 | 19.4 |

24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration): _____

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 | | |

NRC OPERATING DATA REPORT

| | |
|--------------|--------------|
| DOCKET NO. | 50 - 316 |
| DATE | 10/1/02 |
| COMPLETED BY | RAF Harris |
| TELEPHONE | 616-465-5901 |

OPERATING STATUS

- | | |
|--|-------------------|
| 1. Unit Name | D. C. Cook Unit 2 |
| 2. Reporting Period | Sep-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 |

Note:

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 | 720.0 | 6551.0 | 217385.0 |
| 12. No. of Hrs. Reactor Was Critical | 720.0 | 5254.1 | 139359.1 |
| 13. Reactor Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 14. Hours Generator on Line | 720.0 | 5129.6 | 135531.5 |
| 15. Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 16. Gross Thermal Energy Gen. (MWH) | 2453193.9 | 16870475.8 | 423697825.1 |
| 17. Gross Electrical Energy Gen. (MWH) | 781760.0 | 5456140.0 | 137282650.0 |
| 18. Net Electrical Energy Gen. (MWH) | 755926.0 | 5275577.4 | 132340631.3 |
| 19. Unit Service Factor | 100.0 | 78.3 | 63.0 |
| 20. Unit Availability Factor | 100.0 | 78.3 | 63.0 |
| 21. Unit Capacity Factor (MDC Net) | 99.0 | 76.0 | 58.6 |
| 22. Unit Capacity Factor (DER Net) | 96.3 | 73.9 | 57.0 |
| 23. Unit Forced Outage Rate | 0.0 | 8.2 | 24.1 |

24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration): _____

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. 50-315
UNIT ONE
DATE 01-Oct-02
COMPLETED BY RAF Harris
TELEPHONE 616-465-5901

MONTH Sep-02

| DAY | AVERAGE DAILY POWER LEVEL | DAY | AVERAGE DAILY POWER LEVEL |
|---------|------------------------------|---------|------------------------------|
| 9/1/02 | 1012 | 9/17/02 | 993 |
| 9/2/02 | 1002 | 9/18/02 | 990 |
| 9/3/02 | 987 | 9/19/02 | 990 |
| 9/4/02 | 986 | 9/20/02 | 992 |
| 9/5/02 | 997 | 9/21/02 | 988 |
| 9/6/02 | 992 | 9/22/02 | 995 |
| 9/7/02 | 999 | 9/23/02 | 998 |
| 9/8/02 | 999 | 9/24/02 | 1000 |
| 9/9/02 | 981 | 9/25/02 | 996 |
| 9/10/02 | 986 | 9/26/02 | 1001 |
| 9/11/02 | 1023 | 9/27/02 | 1009 |
| 9/12/02 | 1018 | 9/28/02 | 1009 |
| 9/13/02 | 1004 | 9/29/02 | 1004 |
| 9/14/02 | 1002 | 9/30/02 | 1004 |
| 9/15/02 | 1001 | | |
| 9/16/02 | 999 | | |

AVERAGE DAILY POWER LEVEL (MWe-Net)

DOCKET NO. 50-316
UNIT TWO
DATE 1-Oct-02
COMPLETED BY RAF Harris
TELEPHONE 616-465-5901

MONTH Sep-02

| DAY | AVERAGE DAILY POWER LEVEL | DAY | AVERAGE DAILY POWER LEVEL |
|---------|------------------------------|---------|------------------------------|
| 9/1/02 | 1073 | 9/17/02 | 1039 |
| 9/2/02 | 1060 | 9/18/02 | 1037 |
| 9/3/02 | 1045 | 9/19/02 | 1041 |
| 9/4/02 | 1042 | 9/20/02 | 1048 |
| 9/5/02 | 1048 | 9/21/02 | 1036 |
| 9/6/02 | 1050 | 9/22/02 | 1035 |
| 9/7/02 | 1056 | 9/23/02 | 1044 |
| 9/8/02 | 1042 | 9/24/02 | 1048 |
| 9/9/02 | 1044 | 9/25/02 | 1039 |
| 9/10/02 | 1043 | 9/26/02 | 1041 |
| 9/11/02 | 1078 | 9/27/02 | 1047 |
| 9/12/02 | 1081 | 9/28/02 | 1064 |
| 9/13/02 | 1064 | 9/29/02 | 1054 |
| 9/14/02 | 1050 | 9/30/02 | 1055 |
| 9/15/02 | 1050 | | |
| 9/16/02 | 1045 | | |

DOCKET NO. 50 - 315
 UNIT NAME D.C. Cook Unit 1
 DATE October 2, 2002
 COMPLETED BY B. O'Rourke
 TELEPHONE 616-465-5901
 PAGE 1 of 1

UNIT SHUTDOWNS AND POWER REDUCTIONS – September 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 |
|-----|------|-------------------|-------------------|---------------------|---|---------------------------------|-----------------------------|--------------------------------|--|
|-----|------|-------------------|-------------------|---------------------|---|---------------------------------|-----------------------------|--------------------------------|--|

None

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

DOCKET NO. 50 - 316
 UNIT NAME D.C. Cook Unit 2
 DATE October 2, 2002
 COMPLETED BY B. O'Rourke
 TELEPHONE 616-465-5901
 PAGE 1 of 1

UNIT SHUTDOWNS AND POWER REDUCTIONS – September 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 |
|-----|------|-------------------|-------------------|---------------------|---|---------------------------------|-----------------------------|--------------------------------|--|
|-----|------|-------------------|-------------------|---------------------|---|---------------------------------|-----------------------------|--------------------------------|--|

None

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
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 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