



February 14, 2001

AEP:NRC:2691-03

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 January 2002 is submitted.

Sincerely,

A handwritten signature in dark ink, appearing to read 'SK Greenlee'.

Scot A. Greenlee  
Director, Nuclear Technical Services

/pae

Attachments

IE24

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  
R. P. Powers  
M. W. Rencheck  
W. H. Schalk

# NRC OPERATING DATA REPORT

|              |                  |
|--------------|------------------|
| DOCKET NO.   | 50 - 315         |
| DATE         | February 1, 2002 |
| COMPLETED BY | RAF Harris       |
| TELEPHONE    | 616-465-5901     |

## OPERATING STATUS

|  |                   |
|--|-------------------|
| 1. Unit Name                               | D. C. Cook Unit 1 |
| 2. Reporting Period                        | Jan - 2002        |
| 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              |

**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          | 744.0     | 744.0       | 237432.0    |
| 12. No. of Hrs. Reactor Was Critical   | 744.0     | 744.0       | 160265.3    |
| 13. Reactor Reserve Shutdown Hours     | 0.0       | 0.0         | 463.0       |
| 14. Hours Generator on Line            | 744.0     | 744.0       | 157649.4    |
| 15. Unit Reserve Shutdown Hours        | 0.0       | 0.0         | 321.0       |
| 16. Gross Thermal Energy Gen. (MWH)    | 2371051.8 | 2371051.8   | 467876358.8 |
| 17. Gross Electrical Energy Gen. (MWH) | 776190.0  | 776190.0    | 152009010.0 |
| 18. Net Electrical Energy Gen. (MWH)   | 751051.0  | 751051.0    | 146285345.0 |
| 19. Unit Service Factor                | 100.0     | 100.0       | 66.9        |
| 20. Unit Availability Factor           | 100.0     | 100.0       | 66.9        |
| 21. Unit Capacity Factor (MDC Net)     | 100.9     | 100.9       | 63.1        |
| 22. Unit Capacity Factor (DER Net)     | 99.0      | 99.0        | 61.9        |
| 23. Unit Forced Outage Rate            | 0.0       | 0.0         | 19.8        |

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, Estimated Date of Startup:

26. Units in Test Status (Prior to Commercial Operation):

|                      | Forecast | Achieved |
|----------------------|----------|----------|
| INITIAL CRITICALITY  |          |          |
| INITIAL ELECTRICITY  |          |          |
| COMMERCIAL OPERATION |          |          |

DOCKET NO. 50 - 315  
 UNIT NAME D.C. Cook Unit 1  
 DATE February 12, 2002  
 COMPLETED BY N Jackiw  
 TELEPHONE 616-465-5901  
 PAGE 1 of 1

### UNIT SHUTDOWNS AND POWER REDUCTIONS – January 2002

| 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<br>TO PREVENT RECURRENCE |
|-----|--------|-------------------|-------------------|---------------------|---|---------------------------------|-----------------------------|--------------------------------|--|
| 341 | 020108 | S                 |                   | B                   | 4   |                                 |                             |                                | Power reduction (~ 20%) to plug<br>condenser tubes.  |

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

# NRC OPERATING DATA REPORT

DOCKET NO. 50 - 316  
 DATE February 1, 2002  
 COMPLETED BY RAF Harris  
 TELEPHONE 616-465-5901

## OPERATING STATUS

1. Unit Name D. C. Cook Unit 2  
 2. Reporting Period Jan - 2002  
 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: \_\_\_\_\_

**Note for Unit 2:** A 20.1 GWhr adjustment was made for Unit 2 due to a gross generation metering circuit problem.

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     | 744.0       | 211578.0    |
| 12. No. of Hrs. Reactor Was Critical   | 432.1     | 432.1       | 134537.1    |
| 13. Reactor Reserve Shutdown Hours     | 0.0       | 0.0         | 0.0         |
| 14. Hours Generator on Line            | 432.1     | 432.1       | 130834.0    |
| 15. Unit Reserve Shutdown Hours        | 0.0       | 0.0         | 0.0         |
| 16. Gross Thermal Energy Gen. (MWH)    | 1315775.5 | 1315775.5   | 408143124.8 |
| 17. Gross Electrical Energy Gen. (MWH) | 431020.0  | 431020.0    | 132257530.0 |
| 18. Net Electrical Energy Gen. (MWH)   | 416237.0  | 416237.0    | 127481290.9 |
| 19. Unit Service Factor                | 58.1      | 58.1        | 62.5        |
| 20. Unit Availability Factor           | 58.1      | 58.1        | 62.5        |
| 21. Unit Capacity Factor (MDC Net)     | 52.8      | 52.8        | 58.0        |
| 22. Unit Capacity Factor (DER Net)     | 51.3      | 51.3        | 56.4        |
| 23. Unit Forced Outage Rate            | 0.0       | 0.0         | 24.6        |

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

Refueling outage 13 began on January 19, 2002. The proposed length of the outage is 45 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 |          |          |

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

### UNIT SHUTDOWNS AND POWER REDUCTIONS – January 2002

| 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<br>TO PREVENT RECURRENCE |
|-----|--------|-------------------|-------------------|---------------------|---|---------------------------------|-----------------------------|--------------------------------|--|
| 340 | 011219 | S                 | 311.9             | C                   | 1   |                                 |                             |                                | Scheduled Unit 2 Refueling Outage (U2C13).           |

#### 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