



January 15, 2003

AEP:NRC:2691-26

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  
December 2002 is submitted

Sincerely,

A handwritten signature in black ink that reads "Scot A. Greenlee". The signature is fluid and cursive, with a long horizontal stroke at the end.

Scot A. Greenlee  
Director, Nuclear Technical Services

BWO/jen

Attachments

FE24

c: ANI Nuclear Engineering Department  
A. C. Bakken, III  
L. Brandon - Department of Health  
M. J. Finissi  
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 1/2/03  
 COMPLETED BY RAF Harris  
 TELEPHONE 269-465-5901

**OPERATING STATUS**

- 1. Unit Name D. C. Cook Unit 1
- 2. Reporting Period Dec-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

Notes:

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	744.0	8760.0	245448.0
12. No. of Hrs. Reactor Was Critical	744.0	7827.3	167348.6
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	744.0	7783.5	164688.9
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	2344032.6	24763767.6	490269074.6
17. Gross Elect. Energy Gen. (MWH)	767810.0	8009610.0	159242430.0
18. Net Elect. Energy Gen. (MWH)	741782.0	7740902.6	153275196.5
19. Unit Service Factor	100.0	88.9	67.6
20. Unit Availability Factor	100.0	88.9	67.6
21. Unit Capacity Factor (MDC Net)	99.7	88.4	63.9
22. Unit Capacity Factor (DER Net)	97.7	86.6	62.7
23. Unit Forced Outage Rate	0.0	1.2	19.2
24. Shutdowns Scheduled over Next Six Months (Type,Date,and Duration):	_____		

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-Jan-03  
COMPLETED BY RAF Harris  
TELEPHONE 269-465-5901

MONTH Dec-02

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
12/1/02	1032	12/17/02	1031
12/2/02	1032	12/18/02	1030
12/3/02	1029	12/19/02	1029
12/4/02	1033	12/20/02	1032
12/5/02	1031	12/21/02	1033
12/6/02	1032	12/22/02	813
12/7/02	1031	12/23/02	1020
12/8/02	1035	12/24/02	575
12/9/02	1033	12/25/02	651
12/10/02	1028	12/26/02	1027
12/11/02	1032	12/27/02	1030
12/12/02	1029	12/28/02	1031
12/13/02	1030	12/29/02	1033
12/14/02	1032	12/30/02	1035
12/15/02	1030	12/31/02	1035
12/16/02	1035		

DOCKET NO. 50 - 315  
 UNIT NAME D.C. Cook Unit 1  
 DATE January 8, 2003  
 COMPLETED BY B. O'Rourke  
 TELEPHONE 269-465-5901  
 PAGE 1 of 1

**UNIT SHUTDOWNS AND POWER REDUCTIONS – December 2002**

NO.	DATE	TYPE <sup>1</sup>	DURATION HOURS	REASON <sup>2</sup>	METHOD OF SHUTTING DOWN REACTOR <sup>3</sup>	LICENSEE EVENT REPORT NO.	SYSTEM CODE <sup>4</sup>	COMPONENT CODE <sup>5</sup>	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
345	021222	S	0	B	4	n/a	AB	P	Unit 1 power reduced to approximately 52% to allow containment entry to add oil to the #14 Reactor Coolant Pump. A Unit 1 downpower is scheduled to repair the oil leak.
346	021223	F	0	A	4	n/a	SJ	n/a	Unit 1 power reduced to approximately 58% to allow repair of a weld leak on the 1-inch West Main Feed Pump discharge pressure instrument 1-fpi-261-v1 piping.

**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 1/2/03

COMPLETED BY RAF Harris

TELEPHONE 269-465-5901

**OPERATING STATUS**

- 1. Unit Name D. C. Cook Unit 2
- 2. Reporting Period Dec-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

Notes:
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8. If Changes Occur in Capacity Ratings (Items no. 3 through 7) Since Last Report Give Reasons

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9. Power Level To Which Restricted. If Any (Net MWe) \_\_\_\_\_

10. Reasons For Restrictions. \_\_\_\_\_

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	This Mo.	Yr. to Date	Cumm.
11. Hours in Reporting Period	744.0	8760.0	219594.0
12. No. of Hrs. Reactor Was Critical	744.0	7463.1	141568.1
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	744.0	7338.6	137740.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	2535925.7	24396347.9	431223697.3
17. Gross Elect. Energy Gen. (MWH)	847150.0	7947190.0	139773700.0
18. Net Elect. Energy Gen. (MWH)	820515.0	7687685.4	134752739.3
19. Unit Service Factor	100.0	83.8	63.4
20. Unit Availability Factor	100.0	83.8	63.4
21. Unit Capacity Factor (MDC Net)	104.0	82.8	59.1
22. Unit Capacity Factor (DER Net)	101.2	80.5	57.4
23. Unit Forced Outage Rate	0.0	5.9	23.8

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

Refueling outage scheduled for April 2003

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25. If Shut Down At End of Report Period, Est'ed Date of Startup: \_\_\_\_\_

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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-Jan-03  
COMPLETED BY RAF Harris  
TELEPHONE 269-465-5901

MONTH Dec-02

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
12/1/02	1101	12/17/02	1105
12/2/02	1098	12/18/02	1102
12/3/02	1105	12/19/02	1103
12/4/02	1099	12/20/02	1107
12/5/02	1106	12/21/02	1101
12/6/02	1103	12/22/02	1103
12/7/02	1105	12/23/02	1105
12/8/02	1101	12/24/02	1102
12/9/02	1099	12/25/02	1106
12/10/02	1104	12/26/02	1104
12/11/02	1098	12/27/02	1110
12/12/02	1103	12/28/02	1102
12/13/02	1102	12/29/02	1106
12/14/02	1102	12/30/02	1099
12/15/02	1101	12/31/02	1103
12/16/02	1103		

DOCKET NO. 50 - 316  
 UNIT NAME D.C. Cook Unit 2  
 DATE January 8, 2003  
 COMPLETED BY B. O'Rourke  
 TELEPHONE 269-465-5901  
 PAGE 1 of 1

**UNIT SHUTDOWNS AND POWER REDUCTIONS – December 2002**

NO.	DATE	TYPE <sup>1</sup>	DURATION HOURS	REASON <sup>2</sup>	METHOD OF SHUTTING DOWN REACTOR <sup>3</sup>	LICENSEE EVENT REPORT NO.	SYSTEM CODE <sup>4</sup>	COMPONENT CODE <sup>5</sup>	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
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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:**  
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 for preparation of data  
 entry sheets for Licensee  
 Event Report (LER) File  
 (NUREG 0161)

**5 COMPONENT:**  
 Exhibit I. Same Source