



August 15, 2002

AEP:NRC:2691-17

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  
July 2002 is submitted.

Sincerely,

A handwritten signature in black ink, appearing to read 'Scot A. Greenlee', is written over the word 'Sincerely'.

For

Scot A. Greenlee  
Director, Nuclear Technical Services

/pae

Attachments

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JE24

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 8/2/02

COMPLETED BY RAF Harris

TELEPHONE 616-465-5901

**OPERATING STATUS**

1. Unit Name D. C. Cook Unit 1

2. Reporting Period Jul-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:
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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	5087.0	241775.0
12. No. of Hrs. Reactor Was Critical	744.0	4154.3	163675.6
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	744.0	4110.5	161015.9
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	2415418.2	12955230.6	478460537.6
17. Gross Elect. Energy Gen. (MWH)	776250.0	4195420.0	155428240.0
18. Net Elect. Energy Gen. (MWH)	750036.0	4055393.6	149589687.5
19. Unit Service Factor	100.0	80.8	67.1
20. Unit Availability Factor	100.0	80.8	67.1
21. Unit Capacity Factor (MDC Net)	100.8	79.7	63.3
22. Unit Capacity Factor (DER Net)	98.8	78.2	62.1
23. Unit Forced Outage Rate	0.0	2.3	19.5
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-Aug-02  
COMPLETED BY RAF Harris  
TELEPHONE 616-465-5901

MONTH Jul-02

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
7/1/02	1003	7/17/02	1001
7/2/02	990	7/18/02	999
7/3/02	989	7/19/02	1006
7/4/02	989	7/20/02	1002
7/5/02	1007	7/21/02	999
7/6/02	1031	7/22/02	984
7/7/02	1027	7/23/02	998
7/8/02	1024	7/24/02	1017
7/9/02	1022	7/25/02	1000
7/10/02	1027	7/26/02	999
7/11/02	1029	7/27/02	1002
7/12/02	1029	7/28/02	999
7/13/02	1033	7/29/02	1005
7/14/02	1019	7/30/02	991
7/15/02	1023	7/31/02	998
7/16/02	1008		

DOCKET NO. 50 - 315  
 UNIT NAME D.C. Cook Unit 1  
 DATE August 9, 2002  
 COMPLETED BY BW O'Rourke  
 TELEPHONE 616-465-5901  
 PAGE 1 of 1

**UNIT SHUTDOWNS AND POWER REDUCTIONS – July 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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**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 8/2/02  
 COMPLETED BY RAF Harris  
 TELEPHONE 616-465-5901

**OPERATING STATUS**

- 1. Unit Name D. C. Cook Unit 2
- 2. Reporting Period Jul-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:

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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	5087.0	215921.0
12. No. of Hrs. Reactor Was Critical	614.8	3841.7	137946.7
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	602.8	3727.2	134129.1
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	1983049.0	12137385.9	418964735.2
17. Gross Elect. Energy Gen. (MWH)	626010.0	3945980.0	135772490.0
18. Net Elect. Energy Gen. (MWH)	603983.4	3815863.7	130880917.6
19. Unit Service Factor	81.0	73.3	62.8
20. Unit Availability Factor	81.0	73.3	62.8
21. Unit Capacity Factor (MDC Net)	76.6	70.8	58.4
22. Unit Capacity Factor (DER Net)	74.5	68.8	56.8
23. Unit Forced Outage Rate	19.0	9.6	24.3
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: Unit 2 paralleled to the grid on August 3, 2002 at 1333 hours.

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-Aug-02  
COMPLETED BY RAF Harris  
TELEPHONE 616-465-5901

MONTH Jul-02

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
7/1/02	1032	7/17/02	1029
7/2/02	1028	7/18/02	1032
7/3/02	1025	7/19/02	1037
7/4/02	1018	7/20/02	1040
7/5/02	1069	7/21/02	990
7/6/02	1082	7/22/02	31
7/7/02	1078	7/23/02	13
7/8/02	1070	7/24/02	566
7/9/02	1064	7/25/02	710
7/10/02	1077	7/26/02	955
7/11/02	1077	7/27/02	792
7/12/02	1084	7/28/02	0
7/13/02	1083	7/29/02	0
7/14/02	1079	7/30/02	0
7/15/02	1058	7/31/02	0
7/16/02	1046		

DOCKET NO. 50 - 316  
 UNIT NAME D.C. Cook Unit 2  
 DATE August 9, 2002  
 COMPLETED BY BW O'Rourke  
 TELEPHONE 616-465-5901  
 PAGE 1 of 1

**UNIT SHUTDOWNS AND POWER REDUCTIONS – July 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
207	020722	F	45.0	G	3	316/2002-006	NN		Unit 2 automatically tripped due to low-low main condenser vacuum while flushing the "C" main turbine condenser waterbox. Investigation into the cause of this event is in progress. The results of the investigation will be reported in LER 316/2002-006-00.
208	020727	F	96.2	A	2	n/a	NN	V	Unit 2 was shutdown following the #23 CW pump discharge valve 2-WMO-23 failing closed.

**1 TYPE:**  
 F: Forced  
 S: Scheduled

**2 REASON:**  
 A: Equipment Failure (Explain)  
 B: Maintenance or Test  
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 D: Regulatory Restriction  
 E: Operator Training and License Examination  
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 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