

OPERATING DATA REPORT

DOCKET NO. 50-315  
 DATE 6/4/84  
 COMPLETED BY W. T. Gillett  
 TELEPHONE 616/465-590

OPERATING STATUS

1. Unit Name: Donald C. Cook 1
2. Reporting Period: May, 1984
3. Licensed Thermal Power (MWt): 3250
4. Nameplate Rating (Gross MWe): 1152
5. Design Electrical Rating (Net MWe): 1030
6. Maximum Dependable Capacity (Gross MWe): 1056
7. Maximum Dependable Capacity (Net MWe): 1020
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes

9. Power Level To Which Restricted, If Any (Net MWe): \_\_\_\_\_
10. Reasons For Restrictions, If Any: \_\_\_\_\_

	This Month	Yr.-to-Date	Cumulative
11. Hours in Reporting Period	744	3,647	82,535
12. Number Of Hours Reactor Was Critical	744	3,400.9	61,018.9
13. Reactor Reserve Shutdown Hours	0	0	463
14. Hours Generator On-Line	744	3,377.2	59,720.9
15. Unit Reserve Shutdown Hours	0	0	321
16. Gross Thermal Energy Generated (MWH)	2,398,744	10,217,092	174,561,148
17. Gross Electrical Energy Generated (MWH)	791,180	3,361,280	57,287,570
18. Net Electrical Energy Generated (MWE)	763,734	3,236,512	55,116,852
19. Unit Service Factor	100	92.6	74.2
20. Unit Availability Factor	100	92.6	74.2
21. Unit Capacity Factor (Using MDC Net)	100.6	87.0	67.2
22. Unit Capacity Factor (Using DER Net)	99.7	86.2	64.4
23. Unit Forced Outage Rate	0	7.4	7.8

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
Surveillance and maintenance outage scheduled for August 24, 1984

25. If Shut Down At End Of Report Period, Estimated Date of Start-up: \_\_\_\_\_

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

	Forecast	Achieved
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

8407020463 840531  
 PDR ADOCK 05000315  
 R PDR

IE24  
 1/1  
 (1/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-315

UNIT 1

DATE 6/1/84

COMPLETED BY W. T. Gillett

TELEPHONE 616/465-5901

MONTH May, 1984

DAY AVERAGE DAILY POWER LEVEL  
(MWE-Net)

1	<u>848</u>
2	<u>1032</u>
3	<u>1032</u>
4	<u>1031</u>
5	<u>1033</u>
6	<u>1033</u>
7	<u>1034</u>
8	<u>1033</u>
9	<u>1031</u>
10	<u>1033</u>
11	<u>1033</u>
12	<u>1033</u>
13	<u>1033</u>
14	<u>1034</u>
15	<u>1032</u>
16	<u>1036</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	<u>1034</u>
18	<u>1033</u>
19	<u>1033</u>
20	<u>1034</u>
21	<u>1035</u>
22	<u>1029</u>
23	<u>1031</u>
24	<u>1033</u>
25	<u>1030</u>
26	<u>1030</u>
27	<u>1030</u>
28	<u>1033</u>
29	<u>1032</u>
30	<u>1031</u>
31	<u>1033</u>

INSTRUCTIONS

On this format list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole number.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH May, 1984

DOCKET NO. 50-315  
 UNIT NAME D. C. Cook - Unit 1  
 DATE 6-11-84  
 COMPLETED BY B. A. Svensson  
 TELEPHONE 616/465-5901  
 Page 1 of 1

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
None									The Unit was returned to 100% power on 840502 from a power reduction to 80% power which began on 840427, No. 222. There were no Unit shutdowns or power reductions during the month. The Unit operated at a Capacity factor of 100.6% (MDC).

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance or Test  
 C-Refueling  
 D-Regulatory Restriction  
 E-Operator Training & License Examination  
 F-Administrative  
 G-Operational Error (Explain)  
 H-Other (Explain)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

<sup>4</sup>  
 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

<sup>5</sup>  
 Exhibit I - Same Source

Docket No.: 50-315  
Unit Name: D. C. Cook Unit 1  
Completed By: G. J. Peak  
Telephone: (616) 465-5901  
Date: 6/8/84  
Page: 1 of 1

MONTHLY OPERATING ACTIVITIES - MAY 1984

Highlights:

The Unit entered the reporting period in Mode 1 at 80% of rated thermal power due to secondary side oxygen concentration being out of specification. Oxygen concentration was in specification on 5/1/84 and the Unit was returned to 100% power on 5/2/84 where it operated the rest of the reporting period.

Total electrical generation for the month was 791,180 MWH.

Summary:

- 5/1/84 Secondary side oxygen concentration was in specification at 1745 hours and a power increase to 100% began at the same time.
- 5/2/84 The 100% power level was reached at 0035 hours.
- 5/3/84 Engineering safety features ventilation Unit 1-HV-AES-2 was inoperable for a 14 hour period for work on backdraft damper.
- 5/6/84 The turbine driven auxiliary feedwater pump was inoperable for a 13 hour period due to a low suction pressure trip.
- 5/23/84 The high demand fire pump was inoperable for 0640 hours on 5/23/84 to 0828 hours on 5/24/84 to repair a leak on the recirculation line.

The Control Room Cable Vault Halon System remains inoperable as of 1400 hours on 4/5/83. The backup CO<sub>2</sub> System for the Control Room Cable Vault remains operable.

DOCKET NO.	<u>50 - 315</u>
UNIT NAME	<u>D. C. Cook -Unit No. 1</u>
DATE	<u>6-11-84</u>
COMPLETED BY	<u>B. A. Svensson</u>
TELEPHONE	<u>(616) 465-5901</u>
PAGE	<u>1 of 1</u>

MAJOR SAFETY-RELATED MAINTENANCE

MAY, 1984

C&I-1 Delta T/Tavg resistance to voltage converter TY-421B for loop 2 Tcold drifted out of specification low and could not be calibrated. The Converter was replaced. LCO values were not exceeded.

C&I-2 During surveillance testing ( $\Delta T/T_{avg}$  Set II) Th and Tc test injection switches (1-TY-421 and 1TY-421B) were both found to cause erroneous readings. The switches were replaced and the surveillance test was performed.



**INDIANA & MICHIGAN ELECTRIC COMPANY**

DONALD C. COOK NUCLEAR PLANT  
P.O. Box 458, Bridgman, Michigan 49106  
(616) 465-5901

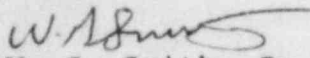
June 11, 1984

Director, Office of Management Information  
and Program Control  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Gentlemen:

Pursuant to the requirements of Donald C. Cook Nuclear Plant Unit 1  
Technical Specification 6.9.1.6, the attached Monthly Operating  
Report for the Month of May, 1984 is submitted.

Sincerely,

  
W. G. Smith, Jr.  
Plant Manager

WGS:cg

Attachments

cc: J. E. Dolan  
M. P. Alexich  
R. W. Jurgensen  
NRC Region III  
E. R. Swanson  
R. O. Bruggee (NSAC)  
R. C. Callen  
S. J. Mierzwa  
R. F. Kroeger  
B. H. Bennett  
J. D. Huebner  
J. H. Hennigan  
A. F. Kozlowski  
R. F. Hering  
J. F. Stietzel  
PNSRC File  
INPO Records Center  
ANI Nuclear Engineering Department

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