

OPERATING DATA REPORT

DOCKET NO. 50-315  
 DATE 2-3-83  
 COMPLETED BY W.T. Gillett  
 TELEPHONE 616-465-5901

OPERATING STATUS

- |   |                       |             |
|---|-----------------------|-------------|
| 1. Unit Name:   | <u>DONALD C. COOK</u> | <u>1</u>    |
| 2. Reporting Period:  | <u>JANUARY</u>        | <u>1983</u> |
| 3. Licensed Thermal Power (MWe):  |                       | <u>3250</u> |
| 4. Nameplate Rating (Gross MWe):  |                       | <u>1089</u> |
| 5. Design Electrical Rating (Net MWe):  |                       | <u>1054</u> |
| 6. Maximum Dependable Capacity (Gross MWe):   |                       | <u>1080</u> |
| 7. Maximum Dependable Capacity (Net MWe):   |                       | <u>1044</u> |
| 8. If Changes Occur in Capacity Ratings (Items Number 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, If Any: \_\_\_\_\_

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	744	70,872
12. Number Of Hours Reactor Was Critical	744	744	52,625.6
13. Reactor Reserve Shutdown Hours	0	0	463
14. Hours Generator On-Line	744	744	51,456.9
15. Unit Reserve Shutdown Hours	0	0	321
16. Gross Thermal Energy Generated (MWH)	2,371,584	2,371,584	149,674,144
17. Gross Electrical Energy Generated (MWH)	779,280	779,280	49,215,130
18. Net Electrical Energy Generated (MWH)	752,121	752,121	47,345,622
19. Unit Service Factor	100	100	74.8
20. Unit Availability Factor	100	100	74.8
21. Unit Capacity Factor (Using MDC Net)	96.8	96.8	67.6
22. Unit Capacity Factor (Using DER Net)	95.9	95.9	64.5
23. Unit Forced Outage Rate	0	0	7.7
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

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 UNIT POWER LEVEL

DOCKET NO. 50-315

UNIT 1

DATE 2-3-83

COMPLETED BY W.T. Gillett

TELEPHONE 616-465-5901

MONTH January 1983

DAY	AVERAGE DAILY POWER LEVEL (MWE-Net)
1	1029
2	1032
3	1032
4	1032
5	1033
6	1032
7	1028
8	1028
9	1030
10	1033
11	1029
12	893
13	875
14	1028
15	1029
16	1029

DAY	AVERAGE DAILY POWER LEVEL (Mwe-Net)
17	1030
18	1032
19	1030
20	1031
21	1028
22	1029
23	1033
24	1033
25	1032
26	1034
27	851
28	883
29	1031
30	1034
31	1033

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 megawatt.

**UNIT SHUTDOWNS AND POWER REDUCTIONS**

REPORT MONTH January, 1983

DOCKET NO. 50-315  
 UNIT NAME D.C. Cook - Unit 1  
 DATE 2-14-83  
 COMPLETED BY B.A. Svensson  
 TELEPHONE 616-465-5901  
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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
192	820112	F	0	A	4	N.A.	CH	ZZZZZZ	Reactor power reduced to 55% to remove the west main feed pump turbine from service to repair tube leaks in the F.P.T. condenser. Reactor power returned to 100% on 820113. Reactor power reduced to 57% to remove the east main feedpump from service to repair weld leak at instrument connection on the suction piping. Reactor power returned to 100% on 820128.
193	820111	F	0	A	4	N.A.	CH	ZZZZZZ	

<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

MONTHLY OPERATING ACTIVITIES - JANUARY 1983

Highlights:

The Unit remained at 100% power during this reporting period except for those periods of time when the Main Turbine Control Valves were tested. These are addressed in the Summary. Two other power reductions of short duration occurred in this period. One was on January 12, when power was reduced to 55% for a period of 21 hours to repair tube leaks in the West Main Feedpump Condenser. The second power reduction occurred on January 27 when power was reduced to 57% for a period of 21.5 hours to repair a Feedwater leak on the East Main Feedpump Suction Line.

The gross electrical generation for the month was 779,280 MWH.

Summary:

- 12/31/82 95% power at 2315 hours for turbine valve testing. Returned to 100% power at 0040 hours on 1/1/83.
- 1/7/83 95% power at 2315 hours for turbine valve testing. Returned to 100% power at 0255 hours on 1/8/83.
- 1/10/83 The Containment Spray Additive System was inoperable for a 4.75 hour period to verify correct settings of the eductor supply valves.
- 1/11/83 CD Diesel was inoperable for a 13.75 hour period for Maintenance to repair a fuel oil leak.
- 1/12/83 AB Diesel was inoperable for a 2.75 hour period for Maintenance to repair a fuel oil leak.
- 1/12/83 55% power at 2035 to make repairs to tube leaks in the West Main Feedpump Condenser. Returned to 100% power at 1125 hours on 1/13/83.
- 1/12/83 The North Control Room Air Condition Chiller was inoperable for a 60 hour period for maintenance repairs.
- 1/14/83 95% power at 2310 hours for turbine valve testing. Returned to 100% power at 0250 hours on 1/15/83.
- 1/18/83 The East RHR pump was inoperable for a 5.75 hour period for Maintenance to lubricate.
- 1/19/83 The West RHR pump was inoperable for a 2.75 hour period for Maintenance to lubricate. The West CCW pump was inoperable for a 3 hour period for Maintenance to change oil.

- 1/20/83 The East CCW Pump was inoperable 1.5 hour period for Maintenance to charge oil.
- 1/21/83 95% power at 2210 hours for turbine valve testing. Returned to 100% power at 0214 hours on 1/22/83.
- 1/26/83 70 intermediate deck doors on the Containment Ice Condenser were inoperable for a 48 hour period due to an excessive lifting force necessary to open them.
- 1/27/83 57% power at 1610 hours to repair a Feedwater leak on the East Main Feedpump Suction Line. Returned to 100% power at 1100 hours on 1/28/83. Turbine valve testing was performed during this period.

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DATE	<u>2-14-83</u>
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TELEPHONE	<u>(615) 465-5901</u>
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MAJOR SAFETY-RELATED MAINTENANCE

JANUARY, 1983

- M-1 1CD emergency diesel developed a fuel oil leak. Replaced the No. 3 front bank fuel pump and tightened a screw to repair leak on the No. 3 rear bank fuel pump. Had the engine tested.
- M-2 1AB emergency diesel developed a fuel oil leak. Replaced the copper gasket on the plug on No. 5 front bank fuel pump. Had the engine tested.
- M-3 The mechanical seal on No. 2 boric acid transfer pump was leaking. Replaced the mechanical seal, aligned the pump and motor, changed the oil and had the pump tested.
- M-4 A total of 70 doors failed to meet the initial opening force criteria during a surveillance test. The door hinges were adjusted and lubricated and the doors were retested.
- C&I-1 Gland steam condenser vent process radiation monitor, R-33, was indicating higher than normal counts. When calibration of the channel was performed, the Geiger-Mueller detector tube spiked high. The tube was replaced and recalibrated satisfactorily. Background reading with the new tube is 500 cpm.
- C&I-2 Lower containment airborne radiation monitor channel, 1305, failed "high" and then returned to normal. This cycle was repeated several times per minute. Replacement and recalibration of the detector corrected the difficulty.
- C&I-3 Control room area radiation monitor, R-1, was alarming high spuriously. Replacement of the detector tube cleared the alarm.