

OPERATING DATA REPORT

DO. ...  
COMPLETE ...  
TELEPHONE 675-465-9901

OPERATING STATUS

- 1. Unit Name: Donald C. Cook 2
- 2. Reporting Period: February 1981
- 3. Licensed Thermal Power (MWe): 3391
- 4. Nameplate Rating (Gross MWe): 1133
- 5. Design Electrical Rating (Net MWe): 1100
- 6. Maximum Dependable Capacity (Gross MWe): 1118
- 7. Maximum Dependable Capacity (Net MWe): 1082
- 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	672	1,616	17,720
12. Number Of Hours Reactor Was Critical	672.0	415	19,158.1
13. Reactor Reserve Shutdown Hours	0.0	0	
14. Hours Generator On-Line	672.0	1,616	17,720
15. Unit Reserve Shutdown Hours <u>2,274,241</u>	0.0	0	
16. Gross Thermal Energy Generated (MWH)	<del>2,271,684</del>	4,177,057	59,325,111
17. Gross Electrical Energy Generated (MWH)	740,070	554,317	18,640,146
18. Net Electrical Energy Generated (MWH)	715,164	1,301,800	17,961,125
19. Unit Service Factor	100	100	73.6
20. Unit Availability Factor	100	100	73.6
21. Unit Capacity Factor (Using MDC Net)	98.4		
22. Unit Capacity Factor (Using DER Net)	96.7		
23. Unit Forced Outage Rate	0		
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):

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-316

UNIT 2

DATE 3-2-81

COMPLETED BY W.T. Gillett

TELEPHONE 616-465-5901

MONTH February 1981

DAY	AVERAGE DAILY POWER LEVEL (MWE-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1069	17	1069
2	1070	18	1069
3	1062	19	1069
4	1046	20	1070
5	1064	21	1068
6	1067	22	1064
7	1067	23	1074
8	1070.	24	1068
9	1070	25	1067
10	1049	26	1066
11	1063	27	1069
12	1032	28	1067
13	1066	29	<del>---</del>
14	1059	30	<del>---</del>
15	1056	31	<del>---</del>
16	1069		

*Cook 2 operated at 98% of capacity during February, with no outages or reductions reported.*

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 February, 1981

DOCKET NO. 50 - 316  
 UNIT NAME D.C. Cook - Unit 2  
 DATE 3-11-81  
 COMPLETED BY B.A. Svensson  
 TELEPHONE (616) 465-5901

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					<i>no H line</i>				There were no unit shutdowns or significant power reductions during the month. The unit operated at a capacity factor of 98.4% (using MDC Net).

<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 - 316
UNIT NAME	D. C. Cook - Unit No. 2
DATE	3-11-81
COMPLETED BY	B. A. Svensson
TELEPHONE	(616) 465-5901
PAGE	1 of 1

MAJOR SAFETY-RELATED MAINTENANCE

FEBRUARY, 1981

- C&I-1 Unit 2 lower containment air temperature recorder SG-18 was printing 60°F on point 12 (ETR-22), air temperature at 626'6" elevation in the instrument room. The recorder was checked and was found to be 2°F too high. After recalibration of recorder SG-18 and replacement of one high temperature alarm switch, the system operated properly.
- C&I-2 During the course of Cardox System surveillance testing in quadrant 3 of the reactor cable tunnel, it was discovered that the cardox reset pushbuttons were incorrectly wired in the control cabinets. Quad 3 zones N, S and Middle were investigated and the wiring errors corrected. These errors did not prevent actuation of the Cardox System.
- C&I-3 FPI-255, west auxiliary feedpump discharge pressure indication would not operate as required. The wire between the bourdon tube and the strain gauge was found broken. The wire was replaced and the transmitter was recalibrated.
- C&I-4 The 'B' train charger for the 'N' train battery system had been saturated with water. Following drying of the charger, the sensing board required adjustment to provide the correct voltage during the float or equalize mode of operation.
- C&I-5 Annunciator Panel 13, drops 32 and 33, No. 2 steam generator hi and low deviation alarms were both in with normal level. A fuse had blown on Foxboro Bistable LB-527 D/E. The fuse was replaced and both alarms cleared.
- C&I-6 Accumulator level indicator, ILA-110, pegged high and began spiking hi and low. This oscillation stopped after 10 minutes. The loop power supply was suspected to be causing the erratic indication and was replaced. The problem did not recur.
- C&I-7 Main turbine stop valve A, closed limit switch arm was found loose. The arm was inspected and found to be worn beyond repair. The arm was replaced and correct operation was verified during valve testing.

Docket No.: 50-316  
Unit Name: D. C. Cook Unit 2  
Completed by: C. E. Murphy  
Telephone: (616) 465-5901  
Date: March 10, 1981  
Page: 1 of 1

MONTHLY OPERATING EXPERIENCES -- FEBRUARY, 1981

Highlights:

The Unit operated at 100% power the entire reporting period, except as detailed in the summary.

Total electrical generation for the month was 740,070 mwh.

SUMMARY:

- 2/02/81 The Diesel Driven Fire Pump was inoperable for a 53.75 hour period for Maintenance to perform the 18 month inspection.
- 2/03/81 The North Safety Injection Pump was inoperable for a 9.75 hour period to perform vibration checks on the motor.
- 2/06/81 Radiation monitor R-25 was inoperable for a 112 hour period to repair the paper drive motor.
- 2/12/81 Reactor power was reduced to 96% for a 2.75 hour period. This was due to a reduction in Condenser Vacuum when "B" North Condenser was removed from service to plug leaking condenser tubes.
- 2/13/81 HV-AES-2 Fan was inoperable for a 3.5 hour period to check the fire protection spray nozzles on the charcoal bed.
- 2/19/81 A suspected leak in the Cooling Coils of the No. 1 Lower Containment Air Handling Unit was reported to the N.R.C. This was later determined to be a plugged drain on the Air Handling Unit which carries away the condensation which accumulates on the Cooling Coils. No further evidence of a leak has occurred.
- 2/20/81 Radiation monitor R-25 was inoperable for a 73.75 hour period to repair the paper drive motor.
- 2/21/81 The East RHR Pump was inoperable for a .5 hour period while a special test was performed to determine the source of gas or air in leakage into the system.
- 2/23/81 The East RHR system was inoperable for a 10 hour period to repair the discharge check valve.
- Radiation monitor R-11 was inoperable for a .5 hour period to replace the filter paper.