

OPERATING DATA REPORT

DOCKET NO. 50-315
 DATE 3-2-81
 COMPLETED BY W.T. Gillett
 TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name: Donald C. Cook 1
 2. Reporting Period: February 981
 3. Licensed Thermal Power (MWt): 3250
 4. Nameplate Rating (Gross MWe): 1089
 5. Design Electrical Rating (Net MWe): 1054
 6. Maximum Dependable Capacity (Gross MWe): 1080
 7. Maximum Dependable Capacity (Net MWe): 1044
 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	1,416	54,024
12. Number Of Hours Reactor Was Critical	672	1,290.1	40,811.1
13. Reactor Reserve Shutdown Hours	0	0	* 463
14. Hours Generator On-Line	672	1,280.4	39,837.5
15. Unit Reserve Shutdown Hours	0	0	321
16. Gross Thermal Energy Generated (MWH)	2,176,463	4,070,703	113,297,709
17. Gross Electrical Energy Generated (MWH)	727,710	1,359,500	37,215,160
18. Net Electrical Energy Generated (MWH)	702,987	1,312,495	35,771,636
19. Unit Service Factor	100	90.4	76.9
20. Unit Availability Factor	100	90.4	76.9
21. Unit Capacity Factor (Using MDC Net)	100.2	88.8	68.3
22. Unit Capacity Factor (Using DER Net)	99.3	87.9	64.2
23. Unit Forced Outage Rate	0	1.5	6.7
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

* Corrected for error in January 1981.

(4/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-315

UNIT 1

DATE 3-2-81

COMPLETED BY W.T. Gillett

TELEPHONE 616-465-5901

MONTH February 1981

DAY AVERAGE DAILY POWER LEVEL
(MWE-Net)

1	<u>1048</u>
2	<u>1048</u>
3	<u>1048</u>
4	<u>1050</u>
5	<u>1049</u>
6	<u>1049</u>
7	<u>1035</u>
8	<u>1049</u>
9	<u>1048</u>
10	<u>1051</u>
11	<u>1050</u>
12	<u>1051</u>
13	<u>1050</u>
14	<u>1039</u>
15	<u>1049</u>
16	<u>1050</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>1047</u>
18	<u>1048</u>
19	<u>1048</u>
20	<u>1049</u>
21	<u>1035</u>
22	<u>1048</u>
23	<u>1049</u>
24	<u>1050</u>
25	<u>1018</u>
26	<u>1049</u>
27	<u>1050</u>
28	<u>1036</u>
29	<u>----</u>
30	<u>----</u>
31	<u>----</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 megawatt.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH February, 1981

DOCKET NO. 50 - 315
 UNIT NAME D.C. Cook - Unit 1
 DATE 3-11-81
 COMPLETED BY B.A. Svensson
 TELEPHONE (616) 465-5901

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
None									There were no unit shutdowns or significant power reductions during the month. The unit operated at a capacity factor of 100.2% (using MDC Net).

¹
 F: Forced
 S: Scheduled

²
 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)

³
 Method:
 1-Manual
 2-Manual Scram.
 3-Automatic Scram.
 4-Other (Explain)

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

⁵
 Exhibit I - Same Source

Docket No.: 50-315
Unit Name: D. C. Cook Unit #1
Completed By: D. R. Campbell
Telephone: (616) 465-5901
Date: March 10, 1981
Page: 1 of 1

MONTHLY OPERATING ACTIVITIES - FEBRUARY, 1981

Highlights:

The Unit operated between 90 and 100% full power throughout the reporting period.

The pressurizer PORV's 151 and 152 have been isolated this entire period due to valves leaking through.

Total electrical generation for the month was 727,710 mw.

Equipment
Derangements:

2/02/81 Radiation monitors R-11 and R-12 were out of service from 0820 to 1800 hours, to replace the pump.

2/26/81 R-15, the main turbine condensor, air ejector monitor was out of service from 1250 hours to 1445 hours to replace the G-M tube.

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MAJOR SAFETY-RELATED MAINTENANCE

FEBRUARY, 1981

- M-1 The emergency leak-off line check valve for the west motor driven auxiliary feedpump, FW-160, leaked by. This resulted in pressurizing the suction piping when the east pump was tested. Cleaned valve internals and had systems tested to verify proper performance.

- M-2 Auto vent to ESW aftercooler for CD diesel was leaking by. Replaced ball float valve and gasket.

- M-3 The reciprocating charging pump had stuffing box leaks. Replaced all pump suction and discharge valves. Repacked all five cylinders and installed new throat bushings. Also, replaced the plunger and packing parts in No. 1 cylinder. The pump was tested to verify satisfactory performance.

- C&I-1 The containment pressure recorder was reading 2.5 psig low. The recorder was found to be 1 psig low and was recalibrated. Pressure transmitter, PPA-312, was also low and was recalibrated to restore correct indication to the containment pressure recorder.

- C&I-2 Feedwater flow to transmitter, FFC-211, No. 1 steam generator had a leak in the high pressure side threaded tap. A defective tee fitting was replaced to eliminate leakage.

- C&I-3 Unit 2 shutdown bank D, rod N-11, was indicating 240 steps on the rod position indication system and 228 on the demand indication. After verifying the LVD transformer secondary voltages for all rods in SD bank D, the signal conditioning modules for rods N-11 and B-6 were adjusted to track the indications for these rods.

- C&I-4 CFA-411, component cooling water flow to the east centrifugal charging pump would not indicate a flow change when the valve was adjusted. The instrument lines were plugged and were blown down. The instrument calibration was verified and returned to normal operation.

- C&I-5 Dual bistable, 1 TB-412 D/G, Δ T/TAVG Protection Set 1 was found to be out of specification during performance of the surveillance test procedure. The bistable was replaced and the new bistable was recalibrated in accordance with procedure 1 THP 6030 IMP.094.

- C&I-6 Critical Control Room power switched over to its emergency power supply. Water leaking from an overhead ventilator on to the power supply circuit board had caused a fuse to blow. Other components on the board were checked and were found to be intact. The power supply inverter was protected from water and returned to service.