

OPERATING DATA REPORT

DOCKET NO. 50-315
 DATE 4-12-83
 COMPLETED BY A. Micht
 TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name: Donald C. Cook 1
2. Reporting Period: March 1983
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	744	2160	72,288
12. Number Of Hours Reactor Was Critical	706.8	2122.8	54,004.4
13. Reactor Reserve Shutdown Hours	0	0	463
14. Hours Generator On-Line	703.7	2119.7	52,832.6
15. Unit Reserve Shutdown Hours	0	0	321
16. Gross Thermal Energy Generated (MWH)	2,215,613	6,741,707	154,044,267
17. Gross Electrical Energy Generated (MWH)	728,740	2,217,720	506,535,570
18. Net Electrical Energy Generated (MWH)	703,286	2,141,095	48,734,596
19. Unit Service Factor	94.6	98.1	75.3
20. Unit Availability Factor	94.6	98.1	75.3
21. Unit Capacity Factor (Using MDC Net)	91.5	94.9	68.2
22. Unit Capacity Factor (Using DER Net)	89.7	94.0	65.1
23. Unit Forced Outage Rate	0	0	8.2
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			
Refueling outage scheduled for 7-8-83			

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

(4/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-315

UNIT 1

DATE 4-5-83

COMPLETED BY A. Might

TELEPHONE 616-465-5901

MONTH March, 1983

DAY AVERAGE DAILY POWER LEVEL
(MWE-Net)

1	<u>1038</u>
2	<u>1037</u>
3	<u>1036</u>
4	<u>1035</u>
5	<u>1028</u>
6	<u>1036</u>
7	<u>836</u>
8	<u>621</u>
9	<u>1034</u>
10	<u>1034</u>
11	<u>1028</u>
12	<u>1031</u>
13	<u>1034</u>
14	<u>1034</u>
15	<u>1035</u>
16	<u>1035</u>

DAY AVERAGE DAILY POWER LEVEL
(Mwe-Net)

17	<u>1034</u>
18	<u>1029</u>
19	<u>1034</u>
20	<u>1033</u>
21	<u>1033</u>
22	<u>1033</u>
23	<u>1033</u>
24	<u>1034</u>
25	<u>943</u>
26	<u>-</u>
27	<u>140</u>
28	<u>934</u>
29	<u>1030</u>
30	<u>1034</u>
31	<u>1029</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 March, 1983

DOCKET NO. 50-315
 UNIT NAME D.C. Cook - Unit 1
 DATE 4-11-83
 COMPLETED BY B.A. Svensson
 TELEPHONE 616/465-5901
 SHEET 1 of 1

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
195	830307	F	0	B	4	N.A.	CH	VALVEX	Reactor power was reduced to approximately 6% to permit time response testing of No. 3 Steam Generator Feed Water Regulating Valve, FRV-230, following valve packing adjustment. Reactor power returned to 100% 830308.
196	830325	S	40.3	B	1	N.A.	ZZ	ZZZZZZ	Unit removed from service to perform Technical Specification required surveillance testing of ice condenser inlet doors and train "A" blackout test. RCS was cooled down to approximately 280°F (Mode 4). All test data was found to be within Technical Specification requirements. Unit returned to service 830327 with 100% power reached on 830328.

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 (NURIG-
 0161)

⁵ Exhibit I - Same Source

MONTHLY OPERATING ACTIVITIES - MARCH 1983

Highlights:

The Unit operated 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. The first reduction was on March 7 when power was reduced to 8% for a period of 27 hours to trip test the closing time on No. 3 Steam Generator Feedwater Regulating Valve following Maintenance repair. The second reduction occurred on March 25 when the Unit was removed from service to perform required Surveillance on the Containment Ice Condenser Inlet Doors and Train "A" Blackout Testing. This short outage lasted for a period of 59 hours and these power reductions are also addressed in the Summary.

The gross electrical generation for the month was 728,740 MWH.

Summary:

- 3/4/83 95% power at 2136 hours for turbine valve testing. Returned to 100% power at 0440 hours on 3/5/83.
- 3/7/83 8% power at 1755 hours for testing the No. 3 Steam Generator Feedwater Regulating Valve. Returned to 100% power at 2108 hours on 3/8/83.
- 3/10/83 AB Diesel was inoperable for a 9 hour period for repairs to the governor inverter.
- 3/11/83 93% power at 2145 hours for turbine valve testing. Returned to 100% at 0133 hours on 3/12/83.
- 3/13/83 The Lower Containment Airlock Door was inoperable for a 3.25 hours period while the door interlock was repaired.
- 3/18/83 95% power at 2100 hours for turbine valve testing. Returned to 100% power at 2336 hours.
- 3/25/83 The Unit was started down at 2100 hours for required Surveillance testing. At 2249 hours the Unit was removed from service.
Entered Mode 3 at 2305 hours.
- 3/26/83 Entered Mode 4 at 0410 hours. All required testing completed.
Entered Mode 3 at 2230 hours.
- 3/27/83 Commenced Reactor startup at 1148 hours. Reactor critical at 1219 hours. Entered Mode 1 at 1256 hours. Unit paralleled with grid at 1506 hours.
- 3/28/83 Unit at 100% power at 0810 hours.

DOCKET NO.	<u>50 - 315</u>
UNIT NAME	<u>D. C. Cook - Unit No. 1</u>
DATE	<u>4-12-83</u>
COMPLETED BY	<u>B. A. Svensson</u>
TELEPHONE	<u>(616) 465-5901</u>
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MAJOR SAFETY-RELATED MAINTENANCE

MARCH, 1983

- M-1 The middle boric acid storage tank recirculation valve, QRV-420, was leaking by. Replaced the valve seat, cage, stem and all gaskets. Had the valve tested.
- M-2 The blowdown regulating valves for No. 2 and No. 4 Steam Generators, DRV-322 and DRV-341, had a body-to-bonnet leak. Replaced the valve cage and gaskets. Remachined the plug and repacked the valves. Had the valves tested.
- M-3 No. 4 reactor coolant pump motor lift pump discharge pressure was too low. Inspected and found lift pump air bound. Vented air from oil lift system. Also replaced lift pump coupling spider.
- C&I-1 Containment isolation valve, DCR-206, could be opened to its intermediate position only from the control room. Replacement of the valve's actuator diaphragm restored proper operation.
- C&I-2 The fire detection system on the control room air pressurization fan charcoal filter was repaired by replacing a defective thermister string and detector board.
- C&I-3 Pressurizer level indicating channel, NLP-152, deviated greater than 4% from the other two channels. Refilling the reference leg for NLP-152 transmitter corrected the level indication. Agreement between indicators was left within 2% of span.
- C&I-4 The source range nuclear instrument scaler-timer, as utilized for the audible count rate in Mode 6, was defective. The scaler module was replaced with a new unit.