

OPERATING DATA REPORT

DOCKET NO. 50-315
 DATE 4-2-81
 COMPLETED BY W.T. Gillett
 TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name: Donald C. Cook 1
2. Reporting Period: March 1981
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	2,160	54,768
12. Number Of Hours Reactor Was Critical	744	2,034.1	41,555.1
13. Reactor Reserve Shutdown Hours	0	0	463
14. Hours Generator On-Line	744	2,024.4	40,581.5
15. Unit Reserve Shutdown Hours	0	0	321
16. Gross Thermal Energy Generated (MWH)	2,411,013	6,481,716	115,708,722
17. Gross Electrical Energy Generated (MWH)	806,230	2,165,730	38,021,390
18. Net Electrical Energy Generated (MWH)	778,715	2,091,210	36,550,351
19. Unit Service Factor	100	93.7	77.2
20. Unit Availability Factor	100	93.7	77.2
21. Unit Capacity Factor (Using MDC Net)	96.5	91.4	68.7
22. Unit Capacity Factor (Using DER Net)	95.1	90.4	64.7
23. Unit Forced Outage Rate	0	0.9	6.6

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
 Refueling Outage 5-25-81 60 days

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	_____	_____

100.3 } correct nos.
 99.3 }
 ANB

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-315

UNIT 1

DATE 4-2-81

COMPLETED BY W. T. Gillett

TELEPHONE 616-465-5901

MONTH March 1981

DAY	AVERAGE DAILY POWER LEVEL (MWE-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1049</u>	17	<u>1051</u>
2	<u>1049</u>	18	<u>1049</u>
3	<u>1049</u>	19	<u>1050</u>
4	<u>1049</u>	20	<u>1044</u>
5	<u>1049</u>	21	<u>1042</u>
6	<u>1047</u>	22	<u>1050</u>
7	<u>1032</u>	23	<u>1049</u>
8	<u>1051</u>	24	<u>1050</u>
9	<u>1052</u>	25	<u>1049</u>
10	<u>1052</u>	26	<u>1050</u>
11	<u>1002</u>	27	<u>1051</u>
12	<u>1048</u>	28	<u>1050</u>
13	<u>1051</u>	29	<u>1046</u>
14	<u>1034</u>	30	<u>1052</u>
15	<u>1047</u>	31	<u>1052</u>
16	<u>1048</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, 1981

DOCKET NO. 50-315
 UNIT NAME D.C. Cook - Unit 1
 DATE 4-9-81
 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 96.5% (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: April 9, 1981
Page: 1 of 1

UNIT 1 MONTHLY OPERATING ACTIVITIES - MARCH, 1981

(Operating Statistics and Shutdown Experiences)

Highlights:

For the month of March, 1981 the unit operated at 100% power except for a short period (average ~3 hours) each week, power was reduced to between 90 and 95% to test Turbine Control Valves.

Total electrical generation for March was 806,230 mw.

DOCKET NO.	50 - 315
UNIT NAME	<u>D. C. Cook - Unit No. 1</u>
DATE	4-10-81
COMPLETED BY	B. A. Svensson
TELEPHONE	(616) 465-5901
PAGE	<u>1 of 1</u>

MAJOR SAFETY-RELATED MAINTENANCE

MARCH, 1981

- M-1 Gasket leaks were detected on the reciprocating charging pump from a flange in the discharge line. Replaced the outboard flexitalic gasket on No. 1 cylinder of the pump. Also replaced the gasket on the discharge line of the pump upstream of the pulsation dampener. The pump tested satisfactorily.
- M-2 The air operated cross-tie valve for the Unit 1 and Unit 2 condensate storage tanks, CRV-51, had a blown operator diaphragm. Replaced the diaphragm and had the valve tested.
- M-3 The turbine driven auxiliary feedpump trip and throttle valve was leaking by. Disassembled valve and found the pilot valve, the stem and the main valve steam cut. Lapped the seat, replaced the disc and stem, reassembled the valve and had it tested.
- M-4 The power cable to motor operated valve, IMO-910, (suction from the refueling water storage tank to the charging pumps) indicated a ground. The failed portion was removed and reterminated. The valve was tested following repairs.
- C&I-1 IRV-300, residual heat removal system to CVCS controller indicated 20% open and the setpoint dial would not turn. The setpoint potentiometer was found loose. The dial was adjusted and the potentiometer was tightened.
- C&I-2 The 50-foot wind direction recorder indication became erratic. The recorder's amplifier contacts were cleaned and the gain of the amplifier was decreased to reduce the oscillations. The amplifier was calibrated and a visual check of the primary and secondary transmitters revealed the vanes were, in fact, changing directions rapidly.
- C&I-3 SG-18, containment air temperature recorder on the CAS panel failed. The range module of the recorder failed. The range module was replaced and the recorder calibration was performed.
- C&I-4 Loop 2, T percent power panel indication was approximately 6% low. The normal hot leg RTD was found drifting and not maintaining the correct value. The spare hot leg RTD was placed into service and R/E module 1TY-421A was recalibrated to the spare RTD resistance values. The failed RTD will be replaced during the next refueling outage.