

OPERATING DATA REPORT

DOCKET NO. 50-315
 DATE 11-4-81
 COMPLETED BY A. MIGHT
 TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name: Donald C. Cook Plant 1
2. Reporting Period: October 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	<u>745</u>	<u>7,296</u>	<u>59,904</u>
12. Number Of Hours Reactor Was Critical	<u>745</u>	<u>5,643.1</u>	<u>45,164.1</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>463</u>
14. Hours Generator On-Line	<u>745</u>	<u>5,560.7</u>	<u>44,117.8</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>321</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,411,900</u>	<u>17,608,117</u>	<u>126,835,122</u>
17. Gross Electrical Energy Generated (MWH)	<u>804,350</u>	<u>5,849,070</u>	<u>41,704,730</u>
18. Net Electrical Energy Generated (MWH)	<u>777,204</u>	<u>5,644,935</u>	<u>40,104,076</u>
19. Unit Service Factor	<u>100</u>	<u>76.2</u>	<u>76.4</u>
20. Unit Availability Factor	<u>100</u>	<u>76.2</u>	<u>76.4</u>
21. Unit Capacity Factor (Using MDC Net)	<u>99.9</u>	<u>74.1</u>	<u>68.5</u>
22. Unit Capacity Factor (Using DER Net)	<u>99</u>	<u>73.4</u>	<u>64.8</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>.5</u>	<u>6.1</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Maintenance shutdown scheduled for two weeks in December 1981.

25. If Shut Down At End Of Report Period, Estimated Date of Startup: _____

25. Units in Test Status (Prior to Commercial Operation):	Forecast	Achieved
INITIAL CRITICALITY	<u> </u>	<u> </u>
INITIAL ELECTRICITY	<u> </u>	<u> </u>
COMMERCIAL OPERATION	<u> </u>	<u> </u>

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-315

UNIT 1

DATE 11-4-81

COMPLETED BY A. Might

TELEPHONE 616-465-5901

MONTH October 1981

DAY	AVERAGE DAILY POWER LEVEL (MWE-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1045</u>	17	<u>1048</u>
2	<u>1037</u>	18	<u>1050</u>
3	<u>1033</u>	19	<u>1048</u>
4	<u>1048</u>	20	<u>1046</u>
5	<u>1044</u>	21	<u>1048</u>
6	<u>1046</u>	22	<u>1046</u>
7	<u>1049</u>	23	<u>1040</u>
8	<u>1046</u>	24	<u>1039</u>
9	<u>1033</u>	25	<u>1003</u>
10	<u>1047</u>	26	<u>1046</u>
11	<u>1048</u>	27	<u>1045</u>
12	<u>1048</u>	28	<u>1049</u>
13	<u>1048</u>	29	<u>1047</u>
14	<u>1045</u>	30	<u>1040</u>
15	<u>1049</u>	31	<u>1038</u>
16	<u>1036</u>		

INSTRUCTIONS

On this format list the average daily unit power level in MWe-Ne for each day in the reporting month. Compute to the nearest whole megawatt.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October, 1981

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 DATE 11-12-81
 COMPLETED BY B.A. Svensson
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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 99.9% (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

MONTHLY OPERATING ACTIVITIES - OCTOBER, 1981

Highlights:

The Unit entered this reporting period operating at 100% power and has operated at this power level throughout the entire period except for power reduction over a three hour period each Friday night to test the Main Turbine Stop and Control Valves.

Total electrical generation for the month was 804,350 mwh.

Summary:

- 10-01-81 'A' South Condenser was out of service for 3.5 hours to check for tube leaks.
- 10-02-81 The North Safety Injection was inoperable for 3.5 hours to repair seal leak.
- 10-05-81 'A' South Condenser was out of service for 5.5 hours to check for tube leaks.
- 10-06-81 Number thirteen Circulating Water Pump tripped from a instantaneous overcurrent relay operation. The motor was meggered and no problem found. The pump was returned to service and tripped again. It was placed back in service.
- 10-07-81 Number thirteen Circulating Water Pump was removed from service for 3.75 hours for the C & I department to adjust the relay trips.
- 10-08-81 'A' South Condenser was out of service for 6 hours to check for tube leaks.

The Wind Speed and Direction indicator was inoperable for 1.5 hours for C & I department to make repairs and again for 3 hours on 10-9-81 for repairs by C & I department.

- 10-09-81 At 1500 hours the NRC Red phone in the Control Rooms were found to be inoperable. Communications was established via the regular telephone. The dedicated red phone had communications restored within 19 minutes.

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Completed By: D. R. Campbell
Telephone: (616) 465-5901
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- 10-14-81 'C' Main Condenser was out of service for 6.5 hours to check for tube leaks; four leaking tubes were plugged.
- 10-26-81 QMO-410, Emergency Boration Valve was declared inoperable. It was repaired and declared operable 10-29-81.
- 10-27-81 'A' South Condenser was removed from service for 7 hours to check for leaks. One tube tube was found to be leaking and was plugged.

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MAJOR SAFETY-RELATED MAINTENANCE

OCTOBER, 1981

- M-1 No. 2 steam generator blowdown regulating valve, DRV-322 had a body-to-bonnet leak. Replaced the valve cage, machined the plug and the bonnet gasket face, reassembled with new gaskets and repacked the valve. Had the valve tested.
- M-2 No. 4 steam generator blowdown regulating valve, DRV-342 had a body-to-bonnet leak. Replaced gaskets and had valve tested.
- M-3 The safety injection pump discharge crosstie motor operated valve, IMO-270 would not operate. The valve operator motor was burned up. Replaced the motor, adjusted limit switches and lubricated the shaft. Had valve tested.
- M-4 The inboard fan bearing on ventilation unit, HV-AES-1 (Engineered Safeguards Features Ventilation) was running hot. Replaced the fan bearings.
- M-5 Emergency boration valve to the charging pump suction, QMO-410 would not open. Replaced the stem, disc, backseat and position indicator. Repacked the valve and had it tested.
- C&I-1 CFA-450, component cooling water flow to the reactor coolant pumps indicated approximately 200 gpm with the return flow indication at full scale. The instrument loop was tested and the square root extractor required recalibration. The instrument loop indicated 800 gpm when returned to normal service.
- C&I-2 Reactor Coolant Pump No. 2, thermal barrier differential pressure low alarm was received with a seal injection flow of 8 gpm. The calibration of QDA-21 was tested and determined to require recalibration. Following the calibration the alarm cleared.
- C&I-3 WFI-721, essential service water flow from the AB diesel generator, indication would vary during a zero flow condition. The transmitter's printed circuit board was replaced and the instrument was recalibrated and returned to service.
- C&I-4 The diesel fire pump fuel oil tank level gauge failed to indicate the correct level. The gauge required replacement.
- C&I-5 Reactor Coolant Pump No. 1, thermal barrier cooling water differential pressure high alarm was received. A failed microswitch was found on CDA-451. The switch was replaced and the instrument was recalibrated.

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MAJOR SAFETY-RELATED MAINTENANCE

OCTOBER, 1981

- C&I-6 The primary 50 foot wind direction failed. The system was changed to indicate the secondary wind indication during repairs. The primary system transmitter was replaced with a spare and the channel calibration was performed. The primary system was returned to normal service.
- C&I-7 Radiation Monitoring System Channel, R-25, unit vent air particulate monitor "filter not in motion" alarm was received. The alarm agastat timer was replaced with a spare and the delay time was adjusted to the correct value.
- C&I-8 Radiation Monitoring System Channel, R-24, steam generator blowdown treatment monitor failed to function as required. The low voltage power supply of the drawer assembly was replaced with a spare. The system was functionally tested and returned to normal.