

OPERATING DATA REPORT

DOCKET NO. 50-315
 DATE 10-5-81
 COMPLETED BY A. Micht
 TELEPHONE 616-465-5901

OPERATING STATUS

- 1. Unit Name: Donald C. Cook Plant 1
- 2. Reporting Period: Sept. 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	720	6,551	59,159
12. Number Of Hours Reactor Was Critical	720	4,898.1	44,419.1
13. Reactor Reserve Shutdown Hours	0	0	463
14. Hours Generator On-Line	720	4,815.7	43,372.8
15. Unit Reserve Shutdown Hours	0	0	321
16. Gross Thermal Energy Generated (MWH)	2,333,230	15,196,217	124,423,222
17. Gross Electrical Energy Generated (MWH)	766,960	5,044,720	40,900,380
18. Net Electrical Energy Generated (MWE)	740,456	4,867,731	39,326,872
19. Unit Service Factor	100	73.5	76.1
20. Unit Availability Factor	100	73.5	76.1
21. Unit Capacity Factor (Using MDC Net)	98.5	71.2	68.1
22. Unit Capacity Factor (Using DER Net)	97.6	70.5	64.3
23. Unit Forced Outage Rate	0	.5	6.2

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

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	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-315
 UNIT 1
 DATE 10-5-81
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MONTH September 1981

DAY	AVERAGE DAILY POWER LEVEL (MWE-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWE-Net)
1	<u>1033</u>	17	<u>1020</u>
2	<u>1031</u>	18	<u>1004</u>
3	<u>1040</u>	19	<u>1033</u>
4	<u>1026</u>	20	<u>1040</u>
5	<u>1028</u>	21	<u>1007</u>
6	<u>1036</u>	22	<u>1024</u>
7	<u>1032</u>	23	<u>1021</u>
8	<u>1036</u>	24	<u>1021</u>
9	<u>1034</u>	25	<u>1008</u>
10	<u>1035</u>	26	<u>1027</u>
11	<u>1024</u>	27	<u>1042</u>
12	<u>1024</u>	28	<u>1041</u>
13	<u>1032</u>	29	<u>1043</u>
14	<u>1032</u>	30	<u>1041</u>
15	<u>1017</u>	31	<u></u>
16	<u>1025</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 September, 1981

DOCKET NO. 50-315
 UNIT NAME D.C. Cook - Unit 1
 DATE 10-13-81
 COMPLETED BY B.A. Svensson
 TELEPHONE (616) 465-5901
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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 98.5% (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: October 14, 1981
Page: 1 of 1

MONTHLY OPERATING ACTIVITIES - SEPTEMBER, 1981

Highlights:

The Unit entered this reporting period in Mode One and at 100% Reactor power. The Unit operated at 100% Reactor power the entire period except for a reduction of power to 90% for about three hours each Friday of the period to do routine tests of the Turbine Control Valves.

Summary:

- 9-02-81 The "B" string of H.P. heaters were removed from service to make repairs. This caused ~15-20 MWE loss of power generation.
- 9-27-81 The "B" string of H.P. heaters were returned to service.
- 9-21-81 "A" North Condenser was removed from service for eight hours to check for tube leaks.

Generation:

766,960 mwh

DOCKET NO.	50 - 315
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MAJOR SAFETY-RELATED MAINTENANCE

SEPTEMBER, 1981

- M-1 The boron injection tank train "B" heaters were discovered to have a ground. One heater and a cable were burned up. The heater and cable were replaced and the system was functionally tested.
- M-2 Primary water isolation valve to No. 2 boric acid transfer pump, CS-414-2 was leaking. Replaced the valve diaphragm.
- M-3 The reciprocating charging pump had a stuffing box leak. Replaced the stuffing box, piston packing, adaptors, throat bushing and spring. Had pump tested.
- C&I-1 Radiation Monitoring System Channel R-25, unit vent air particulate monitor filter paper drive mechanism would not advance. The drive motor was removed and replaced with a spare motor. The drive mechanism clutch assembly was repaired. The channel was returned to normal service.
- C&I-2 Radiation Monitoring System Channel R-15, steam jet air ejector monitor count rate increased without an increase in sample activity. The channel's drawer assembly was tested and determined to be within specifications. The monitor's detector tube was replaced with a spare and the channel calibrated.
- C&I-3 During the performance of surveillance test procedure 1 THP 4030 STP.045, Reactor Logic Train "A" and "B", test position 18 of the test switch of the solid state protection system failed to test correctly. Universal logic card A210 failed to function as required. The card was replaced and correct operation was verified.