

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-315

UNIT 1

DATE 9-5-79

COMPLETED BY W.T. Gillett

TELEPHONE 616-465-5901

MONTH August 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>982</u>
2	<u>1,025</u>
3	<u>1,006</u>
4	<u>995</u>
5	<u>997</u>
6	<u>1,005</u>
7	<u>1,020</u>
8	<u>1,018</u>
9	<u>1,021</u>
10	<u>1,014</u>
11	<u>1,030</u>
12	<u>1,034</u>
13	<u>1,029</u>
14	<u>1,029</u>
15	<u>1,036</u>
16	<u>1,035</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>1,035</u>
18	<u>1,034</u>
19	<u>1,034</u>
20	<u>1,032</u>
21	<u>1,035</u>
22	<u>1,035</u>
23	<u>1,035</u>
24	<u>1,030</u>
25	<u>1,017</u>
26	<u>1,030</u>
27	<u>1,030</u>
28	<u>1,031</u>
29	<u>1,031</u>
30	<u>1,031</u>
31	<u>1,030</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.

(9/77)

7909200316

OPERATING DATA REPORT

DOCKET NO. 50-315
 DATE 9-6-79
 COMPLETED BY W.T. Gillett
 TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name: Donald C. Cook 1
 2. Reporting Period: August 1979
 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	5,831	40,915
12. Number Of Hours Reactor Was Critical	744	3,350.1	30,561.8
13. Reactor Reserve Shutdown Hours	0	0	463
14. Hours Generator On-Line	744	3,279.2*	29,692.5*
15. Unit Reserve Shutdown Hours	0	0	321
16. Gross Thermal Energy Generated (MWH)	2,396,428	10,100,787	81,438,578
17. Gross Electrical Energy Generated (MWH)	789,220	3,340,010	26,629,670
18. Net Electrical Energy Generated (MWH)	762,200	3,219,984	25,557,161
19. Unit Service Factor	100	56.2	74.6
20. Unit Availability Factor	100	56.2	74.6
21. Unit Capacity Factor (Using MDC Net)	98.1	52.9	65.9
22. Unit Capacity Factor (Using DER Net)	97.2	52.4	60.6
23. Unit Forced Outage Rate	0	2.4	5.8
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

*Include + 0.2 hour to correct error on July report

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	_____	_____

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August, 1979

DOCKET NO. 50-315
 UNIT NAME D. C. Cook - Unit 1
 DATE 9-14-79
 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
									There were no unit shutdowns or power reductions. The unit operated at essentially 100% reactor power for the entire month.

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

(9/77)

Docket No.: 50-315
Unit Name: D. C. Cook Unit #1
Completed By: R. S. Lease
Telephone: (616) 465-5901
Date: September 6, 1979
Page: 1 of 2

MONTHLY OPERATING EXPERIENCES -- AUGUST, 1979

Highlights

The Unit entered the reporting operating at 93% power and was increased to 99% August 1, 1979 and operated between 97% and 99% until August 14, 1979. A new core was being conditioned and operated with a narrow F_z margin. Power was increased to 100% August 14, 1979 and maintained at this point other than where noted in the summary.

Total electrical generation for the month was 789,220 Mwh.

Summary

- 08/01/79 -- The West Centrifugal Charging Pump was inoperable for a 2.5 hour period for removal of drain plugs from the inboard seal.
- 08/06/79 -- The middle heater drain pump was removed from service for replacement of a pump seal. The pump was returned to service 8/13/79.
- 08/07/79 -- Steam Jet Air Ejector Radiation Monitor R-15 failed. Repairs were made and the monitor returned to service 8/10/79.
- 08/14/79 -- The "B" train of heaters for Boron Injection Tank failed when a heater went to ground. The "A" train remained operable and in service. The grounded heater was replaced and the "B" train returned to operable 8/17/79.
- 08/16/79 -- The Reciprocating Charging Pump was removed from service for repairs to leaking stuffing boxes. The pump was again operable 8/16/79.
- 08/23/79 -- The Turbine Driven Auxiliary Feedwater Pump was inoperable for a 3.5 hour period to remove the automatic transfer function from the Turbine power supply.

RECEIVED BY THE SERVICE. THE GROUP

Docket No.: 5Q-315
Unit Name: D. C. Cook Unit #1
Completed By: R. S. Lease
Telephone: (616) 465-5901
Date: September 6, 1979
Page: 2 of 2

08/25/79 -- Power was reduced to 90% and again returned to 100%
between the hours of 0005 and 0713 for testing of
Turbine Control Valves.



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100

100

DOCKET NO.	50-315
UNIT NAME	D. C. Cook - Unit No. 1
DATE	9-14-79
COMPLETED BY	B. A. Svensson
TELEPHONE	(616) 465-5901

MAJOR SAFETY-RELATED MAINTENANCE

AUGUST, 1979

- M-1 Boron injection tank train 'B' heater grounded out. The heater was replaced and operability checked satisfactorily.
- M-2 No. 4 steam generator stop valve test selector valve MMO-240 would not move to position B. Torque switch was found to be malfunctioning. Replaced torque switch and valve operated satisfactorily.
- C&I-1 QRV-302, CVCS letdown to the VCT or demineralizers, limit switch failed. The failed limit switch prevented normal valve operation. The limit switch actuation arm required replacement. The correct operation of the valve and indication lights were verified.
- C&I-2 The release flow rate meter on the waste disposal system control panel was reading low. RFI-285 release flow rate meter and transmitter were calibrated and operation verified.
- C&I-3 Point #3 of containment air temperature recorder SG-18 was indicating full scale. The RTD for upper containment quad 3 was found to be open. Replacing the RTD corrected the problem.
- C&I-4 Protection channel I delta T/Taverage would periodically spike upward giving spurious overtemperature and overpower channel trips. The cold-leg RTD was found to be the problem. The spare cold-leg RTD was placed in service.
- C&I-5 Ice condenser temperature recorder points 1 through 6 were indicating full scale. The problem was traced to a defective relay card in the instrument room. Replacing the relay card corrected the problem.
- C&I-6 The glycol return valve VCR-21 limit switch was causing a ground on the AB battery. The switch box was cleaned out and the internals of the limit switch were replaced to correct the ground.
- C&I-7 The nuclear emergency alarm, when tested from Unit.2, did not sound. A faulty transformer was replaced, and the system tested satisfactorily.

