OPERATING DATA REPORT

DOCKET NO. 50-315
DATE 8-4-81
COMPLETED BY W. I. Gillett
TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name: Donald C. Cook 1
2. Reporting Period: July 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	5,087	57,695
12. Number Of Hours Reactor Was Critical	0	3,448.1	42,969.1
13. Reactor Reserve Shutdown Hours	0	0	463
14. Hours Generator On-Line	0	3,438.4	41,995.6
15. Unit Reserve Shutdown Hours	0	0	321
16. Gross Thermal Energy Generated (MWH)	0	11,072,852	120,299,857
17. Gross Electrical Energy Generated (MWH)	0	3,698,760	39,554,420
18. Net Electrical Energy Generated (MWH)	0	3,572,045	38,031,186
19. Unit Service Factor	0	67.6	75.6
20. Unit Availability Factor	0	67.6	75.6
21. Unit Capacity Factor (Using MDC Net)	0	67.3	67.6
22. Unit Capacity Factor (Using DER Net)	0	66.6	63.8
23. Unit Forced Outage Rate	0	0.5	6.4

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

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		

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-315
UNIT 1
DATE 8-4-81
COMPLETED BY W. T. Gillett
TELEPHONE 616-465-5901

MONTH July - 1981

DAY	AVERAGE DAILY POWER LEVEL (MWE-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	0
9	0	25	0
10	0	26	0
11	0	27	0
12	0	28	0
13	0	29	0
14	0	30	0
15	0	31	0
16	0		

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 July, 1981

DOCKET NO. 50-315
UNIT NAME D.C.Cook - Unit 1
DATE 8-13-81
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
171	810529	S	744.0	B&C	1	N.A.	ZZ	ZZZZZZ	The unit was removed from service for Cycle V - VI refueling and maintenance outage on 810529. The unit remained out of service the entire month. At the end of the month the low power physics testing program was ready to commence.

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: D. R. Campbell
Telephone: (616) 465-5901
Date: August 7, 1981
Page: 1 of 1

MONTHLY OPERATING ACTIVITIES - JULY, 1981

Highlights:

The Unit entered this reporting period in Mode 6 with the Reactor head setting on the vessel but not bolted down, following refueling with the sixth core.

Entered Mode 5 at 2235 hours on July 1, 1981. The Unit entered Mode 4 at 2104 hours, July 25, 1981. The Unit entered Mode 3 at 0041 hours, July 27, 1981. The Reactor was made critical at 0854 hours, August 1, 1981, and Core Physics test was started.

Generation:

None

DOCKET NO.	50 - 315
UNIT NAME	D. C. Cook - Unit No. 1
DATE	8-13-81
COMPLETED BY	B. A. Svensson
TELEPHONE	(616) 465-5901
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MAJOR SAFETY-RELATED MAINTENANCE

JULY, 1981

M-1 CD diesel lube oil before-and-after pump had leaking oil seal. Replaced shaft seal, realigned and recoupled pump to motor. Pump tested satisfactorily.

M-2 WCR-910, NESW return containment isolation failed Type C leak rate test. Cleaned, lapped seat, blued and reassembled valve. Had valve retested.

M-3 DCR-620-621, ventilation return containment isolation failed Type C leak rate test. Cleaned, blued and reassembled valve. Had valve retested.

M-4 WCR-958, NESW containment isolation valve failed Type C leak rate test. Cleaned, machined plug, blued and reassembled valve. Had valve retested.

M-5 WCR-906 and 929, NESW containment isolation valve failed Type C leak rate test. Cleaned, lapped, blued and reassembled valve. Had valve retested.

M-6 QMO-226, primary water to seal water heat exchanger failed to open from the control room. Replaced bevel gear of limitorque operator. Valve tested satisfactorily.

M-7 Upper instrument tap for IFI-331-V1, "W" RHR pump to upper containment spray header flow instrument broke off at the isolation valve. Tubing was cleaned, dye checked, welded and NDE performed.

M-8 Cracked nipple and weld in IMO-350, "W" RHR heat exchanger to safety injection pump suction, equalizing line. Nipple and elbow were replaced. Welds were QC examined and accepted.

M-9 WCR-923, NESW return containment isolation valve failed Type C leak rate test. Cleaned body and installed new plug, cage, stem and gaskets.

M-10 WCR-914, NESW return containment isolation failed Type C leak rate test. Cleaned, lapped body seat, machined plug seat surface, blued and reassembled valve. Had valve retested.

M-11 NSW-419-1, NESW supply containment isolation check valve failed Type C leak rate test. Cleaned, blued and reassembled valve. Had valve retested.

M-12 Remove undocumented valve at CPN-30. Valve was cut off and piping was capped and seal welded.

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MAJOR SAFETY-RELATED MAINTENANCE

JULY, 1981

M-13 CS-409, BAST's to boric acid transfer pumps 3 and 4 had diaphragm separated from stem. Diaphragm was replaced.

M-14 CTS-131E and -131W, containment spray containment isolation check valve failed Type C leak rate test. Lapped seat and disc, blued and reassembled. Had valve retested.

M-15 NSW-415-2, NESW supply containment isolation check valve failed Type C leak rate test. A new valve was installed. Had valve tested.

M-16 Boric acid transfer pump outlet valve, CS-417-2, had a body-to-bonnet leak. Replaced valve diaphragm.

M-17 Emergency diesel air receiver safety valve, SV-78, was found to be leaking by during ISI test. Cleaned and lapped the valve seat and had it retested.

M-18 Non-essential service water containment isolation valve WCR-909, failed Type C retest. Replaced the plug, cage, stem, stem pin, seal ring and gaskets. Had the valve retested.

M-19 Non-essential service water containment isolation valve, WCR-922, failed Type B & C leak rate test. Replaced the cage, plug and gaskets. Had the valve retested.

M-20 Containment penetration pressurization check valve, CA-181N, leaked by. Replaced the valve bonnet, cleaned and lapped valve seat.

M-21 Pressurizer power operated relief valve, NRV-151, 152 and 153 were leaking by. Replaced the stems, plugs, seat rings and gaskets in all three valves. Also repacked the valves and had them tested.

M-22 Non-essential service water containment isolation check valve, NSW-415-4, failed Type C retest. Installed a complete new valve with new flappers and had the valve retested.

M-23 Steam generator blowdown regulating valves, DRV-311, 321, 331 and 341 were leaking. Replaced all gaskets and repacked all four valves. Had the valves tested.

M-24 Boron injection tank inlet valves, IMO-255 and 256 were leaking by. Lapped the discs on both valves and repacked IMO-256. Had valves tested.

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MAJOR SAFETY-RELATED MAINTENANCE

JULY, 1981

M-25 The north BA filter isolation valve to the boron injection line, CS-424N, was leaking. Replaced the valve bonnet.

M-26 No. 1 boric acid transfer pump mechanical seal failed. Replaced the pump shaft, bearings and oil seals. Replaced mechanical seal and had pump tested.

M-27 Excess letdown heat exchanger outlet regulating valve, QRV-171 would not operate. Replaced the valve cage, stem, plug, gaskets and seat ring.

M-28 The seal for the outer door of the 650' elevation containment airlock was leaking. Cleaned the seals and channels, lubricated the seals and adjusted door. Had seal tested.

M-29 The north safety injection pump shaft broke. Replaced the entire pump and had it tested.