

OPERATING DATA REPORT

DOCKET NO. 50-315
 DATE 7-6-81
 COMPLETED BY W.T. Gillett
 TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name: Donald C. Cook 1
 2. Reporting Period: June - 1981
 3. Licensed Thermal Power (MWe): 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	4,343	56,951
12. Number Of Hours Reactor Was Critical	---	3,448.1	42,969.1
13. Reactor Reserve Shutdown Hours	---	0	463
14. Hours Generator On-Line	---	3,438.4	41,995.5
15. Unit Reserve Shutdown Hours	---	0	321
16. Gross Thermal Energy Generated (MWH)	---	11,072,852	120,299,857
17. Gross Electrical Energy Generated (MWH)	---	3,698,760	39,554,420
18. Net Electrical Energy Generated (MWH)	---	3,500,045	38,031,186
19. Unit Service Factor	---	79.2	76.7
20. Unit Availability Factor	---	79.2	76.7
21. Unit Capacity Factor (Using MDC Net)	---	78.8	68.6
22. Unit Capacity Factor (Using DER Net)	---	78.0	64.7
23. Unit Forced Outage Rate	---	0.5	6.4
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

15. If Shut Down At End Of Report, Period, Estimated Date of Startup: 7-29-81
 16. 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 7-6-81

COMPLETED BY W. T. Gillett

TELEPHONE 616-465-5901

MONTH JUNE - 1981

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

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 June, 1981

DOCKET NO. 50-315
 UNIT NAME D.C. Cook - Unit 1
 DATE 7-14-81
 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
171 Cont'd	810529	S	720.0	B&C	1	N.A.	ZZ	ZZZZZZ	The unit was removed from service for Cycle V - VI refueling and maintenance outage at 2259 hours on 810529. The unit remained out of service the entire month. Estimated return to service date is 810726.

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: July 8, 1981
Page: 1 of 1

MONTHLY OPERATING ACTIVITIES - JUNE, 1981

Highlights:

The Unit entered this reporting period in Mode 5. Entered Mode 6 at 2130 hour, June 7, 1981 for the beginning of refueling from Core V to Core VI. Refueling shuffle was started June 19, 1981 and completed on June 25, 1981.

The Reactor head is now re-installed and we remain in Mode 5 to do other planned outage work. The outage is to be completed by July 26, 1981.

Generation:

None

DOCKET NO.	50 - 315
UNIT NAME	D. C. Cook - Unit No. 1
DATE	7-14-81
COMPLETED BY	B. A. Svensson
TELEPHONE	(616) 465-5901
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MAJOR SAFETY-RELATED MAINTENANCE

JUNE, 1981

- M-1 Non-essential service water containment isolation valves, NSW-419-1, -3 and -4 failed Type C leak rate test. The valves were disassembled, the seat was cleaned and the valves were reassembled. The valves were retested.
- Non-essential service water containment isolation valves, NSW-244-1, -2, -3 and -4 failed the Type C leak rate test. The valves were disassembled, the seat was cleaned and the valves were reassembled. The valves were retested.
- M-2 SI-142, safety injection to loop 1 cold leg check valve had a bonnet leak. Replaced the yoke and bonnet.
- M-3 1-MS-325, TDAFP supply drain isolation had a packing leak. Replaced the bonnet, studs, gaskets and packing.
- M-4 NSW-415-1, -2, -3 and -4, NESW containment isolation valves failed Type C leak rate test. Cleaned seat, replaced flappers and had valves tested.
- M-5 NSW-417-4, NESW to HV-CIR-4, failed Type C leak rate test. Cleaned, blued and reassembled valve. Had valve retested.
- M-6 GCR-301, nitrogen supply to PRT containment isolation valve failed Type C leak rate test. Replaced diaphragm, pin and compressor. Had valve tested.
- M-7 N-160, RC drain tank nitrogen purge supply header containment isolation valve failed Type C leak rate test. Inspected valve and lapped flapper and seat. Had valve tested.
- M-8 CCW-243-25 and CCW-244-25, CCW penetration cooling supply header containment isolation check valves failed Type C leak rate test. Inspected, cleaned and reassembled valves. Had valves tested.
- M-9 CS-440-1, -2, -3 -4 and CS-441-1, -2, -3, -4, reactor coolant pump seal water injection line drain valves were leaking by. Lapped seats, blued and reassembled valves.
- M-10 A leak in inlet piping of SV-104E, "E" RHR heat exchanger safety valve was due to a cracked weld. Ground out and replaced pipe nipple and flange. Piping was hydrostatically tested.
- M-11 SV-14, ESW to "E" containment spray heat exchanger was leaking by. Cleaned, lapped, blued and reassembled valve.

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MAJOR SAFETY-RELATED MAINTENANCE

JUNE, 1981

- M-12 WCR-921 and -922, NESW containment isolation valves failed Type C leak rate test. Cleaned, blued and reassembled valves. Had valves tested.
- M-13 WCR-923, NESW return containment isolation valve failed Type C leak rate test. Remachined plug, replaced lantern ring, repacked and reassembled valve. Had valve retested.
- M-14 WCR-934, NESW return containment isolation valve failed Type C leak rate test. Cleaned, machined seat on plug and cage and had valve tested.
- M-15 WCR-933, NESW supply containment isolation valve failed Type C leak rate test. Cleaned, blued and reassembled valve. Had valve retested.
- M-16 WCR-931 and -935, NESW containment isolation valves failed Type C leak rate test. Cleaned, lapped seats, blued and reassembled valves. Had valves retested.
- M-17 WCR-946, NESW containment isolation valve failed Type C leak rate test. Cleaned seats, inspected, lapped plug to cage and reassembled valve. Had valve retested.
- M-18 WCR-965-3 and -966, NESW containment isolation valves failed the Type C leak rate test. Cleaned, lapped plug to cage, blued and reassembled valve. Had valve retested.
- M-19 NCR-252, primary water to RCS stand pipe make-up lines, containment isolation valve failed Type C leak rate test. Replaced the valve diaphragm and had the valve retested.
- M-20 WCR-914, NESW return containment isolation valve failed Type C leak rate test. Cleaned, installed new seat ring, blued and reassembled valve. Had valve tested.
- M-21 DW-209, reactor cavity scrub down containment isolation had a body to bonnet leak. The diaphragm was replaced and the leak stopped.
- M-22 Pinhole leak in the nipple to half coupling weld below RH-125 in the RHR line to upper CTS containment spray header. The weld was ground out and rewelded.
- M-23 WCR-911 and -915, NESW return containment isolation failed Type C leak rate test. Cleaned, lapped seats, blued and reassembled valve. Had valve retested.

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MAJOR SAFETY-RELATED MAINTENANCE

JUNE, 1981

- M-24 WCR-913, NESW supply containment isolation valve failed Type C leak rate test. Cleaned, installed new seat ring, blued and reassembled valve. Had valve retested.
- M-25 NSW-417-4, NESW containment isolation check valve failed Type C leak rate test. Cleaned, lapped disc to seat, blued and reassembled valve. Had valve retested.