OPERATING DATA REPORT

DOCKET NO. 50-315
DATE 9-6-83
COMPLETED BY W.T. Gillett
TELEPHONE (616)465-5901

OPERATING STATUS

1. Unit Name: Donald C. Cook 1
2. Reporting Period: August 1983
3. Licensed Thermal Power (MWt): 3250
4. Nameplate Rating (Gross MWe): 1152
5. Design Electrical Rating (Net MWe): 1030
6. Maximum Dependable Capacity (Gross MWe): 1056
7. Maximum Dependable Capacity (Net MWe): 1020
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	5831	75,959
12. Number Of Hours Reactor Was Critical	—	4619.3	56,500.9
13. Reactor Reserve Shutdown Hours	—	0	463
14. Hours Generator On-Line	—	4610.8	55,323.7
15. Unit Reserve Shutdown Hours	—	0	321
16. Gross Thermal Energy Generated (MWH)	—	14,242,117	161,544,677
17. Gross Electrical Energy Generated (MWH)	—	4,669,410	53,105,260
18. Net Electrical Energy Generated (MWH)	—	4,501,984	51,095,485
19. Unit Service Factor	—	79.1	74.9
20. Unit Availability Factor	—	79.1	74.9
21. Unit Capacity Factor (Using MDC Net)	—	74.3	67.9
22. Unit Capacity Factor (Using DER Net)	—	73.6	64.9
23. Unit Forced Outage Rate	—	1.1	7.9

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 9/6/83

COMPLETED BY W. T. Gillett

TELEPHONE 616-465-5901

MONTH August 1983

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 AUGUST, 1983

DOCKET NO. 50-315
UNIT NAME D.C. Cook - Unit 1
DATE 9-10-83
COMPLETED BY B. A. Svensson
TELEPHONE 616/465-5901
PAGE 1 Of 1

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
204	830716	S	744	B&C	1	N.A.	ZZ	ZZZZZZ	The Unit was removed from service at 0010 hours on 830716 for scheduled cycle 7-8 refueling and maintenance outage. The refueling has been completed. Major maintenance activities in progress are emergency diesel generator repair and inspection and the reactor coolant pump motor modifications. The Unit remained out of service at the end of the 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: C. E. Murphy
Telephone: (616) 465-5901
Date: 9/9/83
Page: 1 of 1

MONTHLY OPERATING ACTIVITIES - AUGUST 1983

Highlights:

The Unit entered the reporting period in Mode 5, with the Reactor Coolant System at ½ loop, making preparations for the seventh refueling. Mode 6 was entered at 0030 hours on Aug. 11, 1983. The Reactor Cavity flood up was started at 1200 hours on Aug. 15, 1983 and the Refueling Shuffle was commenced at 0220 hours on Aug. 19, 1983. The Fuel Shuffle was completed at 2245 hours on Aug. 23, 1983 and the Reactor Coolant System was drained to ½ loop at 1611 hours on Aug. 29, 1983. The Unit entered Mode 5 at 2130 hours on Aug. 31, 1983 and has remained there the balance of the reporting period while Unit repair work continues.

Summary:

8/4/83 The High and Low Demand Fire Pumps were inoperable from 0955 hours on 8/4/83 until 1340 hours on 8/31/83 for Hydrolazering the suction piping.

8/8/83 The East ESW Pump was inoperable for a 37.5 hour period for motor replacement.

8/13/83 R-25/26 (Vent Stack Rad Monitor) was inoperable for a 2.75 hour period to repair the Filter Drive Motor.

8/17/83 N-32 (Source Range Detector) was out of service for a 11.25 hour period due to "spiking".

The Low Pressure Carbon Dioxide Fire Suppression System was inoperable for a 1.25 hours period to repair a solenoid coil.

8/18/83 The Low Pressure Carbon Dioxide Fire Suppression System was again inoperable for a 0.5 hour period to replace a tailed solenoid.

8/20/83 The West CCW Train was inoperable from 2115 hours on 8/20 to 0133 hours on 8/25 to test the Safety Valve on the RHR Heat Exchanger.

8/24/83 The Control Room Fire Detection System was declared inoperable at 1435 hours due to failure to satisfactorily demonstrate that the detectors will perform as installed.

The Control Room Cable Vault Halon System remains inoperable as of 1400 hours on 4/5/83. The Backup CO_2 System remains operable except for those times as stated in the Summary. Fire Watch's were posted during these times as required.

DOCKET NO.	50 - 315
UNIT NAME	D. C. Cook - Unit No. 1
DATE	9-14-83
COMPLETED BY	B. A. Svensson
TELEPHONE	(616) 465-5901
PAGE	1 of 1

MAJOR SAFETY-RELATED MAINTENANCE

AUGUST, 1983

M-1 Two tubes in #1 steam generator were identified as needing to be plugged. The two tubes were plugged using mechanical tube plugs.

M-2 Eddy Current testing of #12 steam generator identified two tubes which required plugging. The two tubes were plugged using mechanical tube plugs. One additional tube was erroneously plugged.

M-3 Eddy Current testing of #13 steam generator identified nine tubes which required plugging. The nine tubes were plugged using mechanical tube plugs.

M-4 Two tubes in #4 steam generator were identified as needing to be plugged. The two tubes were plugged using mechanical tube plugs.

M-5 The East Essential Service Water Pump Motor upper bearing was noisy. Replaced the motor. Also replaced one power cable lug at the motor end and performed a high potential insulation test of the cable. Had the pump tested.

M-6 Containment spray system ring header containment isolation check valve, RH-142, was tested and found to leak 8 SCCM. The limit is a maximum of 4 SCCM. The valve was disassembled, cleaned and lapped. The valve was reassembled. Had the valve retested.

M-7 Control air check valve, CA-181N, failed to pass the Type C leak rate test. Removed and cleaned the valve. Reinstalled the valve and had it retested.

M-8 The West Essential Service Water Pump was removed for periodic inspection. The inspection revealed the need to have the pump rebuilt. A spare pump was installed and tested.

M-9 Pressurizer Power Operated Relief Valve, NRV-151, was leaking by. Lapped the seats, cleaned the valve and replaced the gaskets. Had the valve tested.

American Electric Power System
INDIANA & MICHIGAN ELECTRIC COMPANY
DONALD C. COOK NUCLEAR PLANT
P.O. Box 458, Bridgman, Michigan 49106
(616) 465-5901

September 14, 1983

Director, Office Of Management Information
and Program Control
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Gentlemen:

Pursuant to the requirements of Donald C. Cook Nuclear Plant Unit 1 Technical Specification 6.9.1.6, the attached Monthly Operating Report for the Month of August, 1983 is submitted.

Sincerely,

W. G. Smith, Jr.
Plant Manager

WGS:ab

Attachments

cc: J. E. Dolan
M. P. Alexich
R. W. Jurgensen
NRC Region III
E. R. Swanson
R. O. Bruggee (NSAC)
R. C. Callen
S. J. Mierzwa
R. F. Kroeger
H. L. Sobel
J. D. Huebner
J. H. Hennigan
A. F. Kozlowski
R. F. Hering
J. F. Stietzel
PNSRC File
INPO Records Center

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