

N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-315
 DATE 12/1/87
 COMPLETED BY Michaelson
 TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 1 -----
 2. Reporting Period NOV 87 notes
 3. Licensed Thermal Power (MWt) 3250
 4. Name Plate 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 no. 3 through 7) Since Last Report Give Reasons _____

9. Power Level To Which Restricted. If Any (Net MWe) _____
 10. Reasons For Restrictions. If Any: _____

	This Mo.	Yr. to Date	Cumm.
11. Hours in Reporting Period	720.0	8016.0	113208.0
12. No. of Hrs. Reactor Was Critical	720.0	5256.6	81082.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	720.0	5178.8	79497.4
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	2112159	14262037	230894545
17. Gross Elect. Energy Gen. (MWH)	688230	4565300	75461170
18. Net Elect. Energy Gen. (MWH)	662277	4377248	72574479
19. Unit Service Factor	100.0	64.6	71.4
20. Unit Availability Factor	100.0	64.6	71.4
21. Unit Capacity Factor (MDC Net)	90.2	53.5	63.9
22. Unit Capacity Factor (DER Net)	89.3	53.0	61.8
23. Unit Forced Outage Rate	0.0	6.6	8.4

24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration):
Ice condenser surveillance outage to begin on April 1, 1988 for an estimated duration of 10 days.

25. If Shut Down At End of Report Period, Estimated Date of Startup: _____

26. Units in Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

Forecast

Achieved

8801040557 871130
 PDR ADOCK 05000315
 R DCD

IE2411

AVERAGE DAILY POWER LEVEL (MWe-Net)

27

DOCKET NO. 50-315
UNIT ONE
DATE 12/1/87
COMPLETED BY Michaelson
TELEPHONE 616-465-5901

MONTH

NOV 87

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	915	17	919
2	917	18	919
3	917	19	921
4	919	20	918
5	919	21	921
6	919	22	919
7	918	23	922
8	923	24	925
9	921	25	923
10	921	26	922
11	918	27	923
12	920	28	920
13	917	29	922
14	919	30	922
15	918		
16	920		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH NOVEMBER

DOCKET NO. 50-315
 UNIT NAME D.C. Cook Unit 1
 DATE December 2, 1987
 COMPLETED BY Allan S. Puplis
 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
None									There were no Unit shutdowns or significant power reductions during the month. The unit has operated at a nominal 90% administratively imposed power limit to minimize steam generator tube degradation.

¹
 F: Forced
 S: Scheduled

²
 Reason:
 A Equipment Failure (Explain)
 B Maintenance or Test
 C Refuelling
 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)



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DOCKET NO: 50-315
UNIT NAME: D. C. Cook Unit 1
COMPLETED BY: A. S. Puplis
TELEPHONE: (616) 465-5901
DATE: December 1, 1987
PAGE: 1 of 1

MONTHLY OPERATING ACTIVITIES - NOVEMBER 1987

HIGHLIGHTS:

The reporting period began and ended with the Unit in Mode 1 at 90% of rated thermal power.

Gross electrical generation was 688,230 MWH for the month.

DOCKET NO. 50-315
UNIT NAME D. C. Cook - Unit No. 1
DATE December 2, 1987
COMPLETED BY A. S. Puplis
TELEPHONE (616) 465-5901
PAGE 1 of 1

MAJOR SAFETY-RELATED MAINTENANCE

NOVEMBER, 1987

- M-1 A 1½" socket weld on the upstream side of 1-CFI-433-OR (component cooling water flow orifice for containment vent fan HV-CEQ-2 motor cooler) cracked. A section of pipe was replaced. The new weld joints tested satisfactorily.
- M-2 During a cladding inspection of the east centrifugal charging pump it was discovered that the rotating assembly was worn. The rotating assembly was replaced. The pump tested satisfactorily.
- M-3 1-CS-417-1 (boric acid storage tank transfer pump to middle boric acid storage tank shutoff valve) was leaking by. The diaphragm was replaced. The valve tested satisfactorily.
- M-4 The east essential service water strainer for the west essential service water pump would not backwash. A new bracket was made and installed. The strainer now backwashed properly.
- M-5 1-MRV-241 (steam generator No. 4 stop valve steam cylinder train 'A' dump valve) was leaking by. The valve internals were replaced. The valve tested satisfactorily.
- I&C-1 NTR-230 reactor coolant system loop 3 cold leg wide range temperature indication has failed low. A detective RTD was replaced with a new RTD. It was subsequently calibrated, and a channel check performed. It tested satisfactorily.

Indiana Michigan
Power Company
Cook Nuclear Plant
P.O. Box 458
Bridgman, MI 49106
616 465 5901



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

December 2, 1987

Gentlemen:

Pursuant to the requirements of Donald C. Cook Nuclear Plant Unit 1
Technical Specification 6.9.1.10, the attached Monthly Operating
Report for the Month of November, 1987 is submitted.

Sincerely,


W. G. Smith, Jr.
Plant Manager

WGS/jd

cc: J. E. Dolan
M. P. Alexich
R. W. Jurgensen
R. C. Callen
C. A. Erikson
D. W. Paul
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IE2411

