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SUBJECT: Monthly operating rept for Feb 1989 for DC Cook, Unit 1.  
 W/890307 ltr.

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Indiana Michigan  
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Cook Nuclear Plant  
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616 465 5901



U.S. Nuclear Regulatory Commission  
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March 7, 1989

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 February 1989 is submitted.

Also attached is the revised "Unit Shutdowns And Power Reductions" sheet for the month of January that reflects the Licensee Event Report number not available at the time of January's report.

Sincerely,

  
W. G. Smith, Jr.  
Plant Manager

WGS/jd

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# N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-315  
DATE 01-Mar-89  
COMPLETED BY H. Giles  
TELEPHONE 616-465-5901

## OPERATING STATUS

1. Unit Name D. C. Cook Unit 1 -----  
2. Reporting Period FEB 89 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	672.0	1416.0	124152.0
12. No. of Hrs. Reactor Was Critical	672.0	1395.5	91667.2
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	672.0	1390.4	90009.3
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	1563768	3409823	260616238
17. Gross Elect. Energy Gen. (MWH)	492060	1077160	84995360
18. Net Elect. Energy Gen. (MWH)	468159	1027512	81726301
19. Unit Service Factor	100.0	98.2	73.7
20. Unit Availability Factor	100.0	98.2	73.7
21. Unit Capacity Factor (MDC Net)	68.3	71.1	65.6
22. Unit Capacity Factor (DER Net)	67.6	70.5	63.6
23. Unit Forced Outage Rate	0.0	1.8	7.9
24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration): Estimated date for unit shutdown and refueling is March 18, 1989.			

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

AVERAGE DAILY POWER LEVEL (MWe-Net)

DOCKET NO. 50-315  
 UNIT ONE  
 DATE 01-Mar-89  
 COMPLETED BY H. Giles  
 TELEPHONE 616-465-5901

MONTH FEB 89

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	691	17	715
2	689	18	714
3	693	19	715
4	617	20	716
5	490	21	715
6	662	22	715
7	716	23	715
8	716	24	714
9	717	25	684
10	716	26	710
11	714	27	712
12	714	28	687
13	713		
14	715		
15	717		
16	715		



# UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH FEBRUARY

DOCKET NO. 50-315  
 UNIT NAME D. C. Cook - III  
 DATE March 7, 1989  
 COMPLETED BY T. R. Stephens  
 TELEPHONE (616) 465-5901

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
277	890204	F	0	A	4	NA	HH	PIPEXX	Reactor power was reduced from 71% to 54% to permit removal of the East Main Feedpump from service for repair to the emergency leak off line. Following repairs the unit was returned to 73% on February 6, 1989.
278	890228	S	0	H	4	NA	ZZ	ZZZZZZ	A power reduction from 73% to 54% was started on February 28, 1989 to extend core life. The unit reached 54% on March 1, 1989.

1  
 F: Forced  
 S: Scheduled

2  
 Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance of 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: T. R. Stephens  
TELEPHONE: (616) 465-5901  
DATE: March 7, 1989  
PAGE: 1 of 1

MONTHLY OPERATING ACTIVITIES - FEBRUARY 1989

HIGHLIGHTS:

The unit entered the reporting period at 71% rated thermal power (RTP). A power reduction to 54% was begun on February 4, 1989 at 1415 hours to remove the East Main Feedpump from service for repairs to the pump's emergency leakoff line. Following repairs a power increase to 73% RTP was started at 0245 hours on February 6, 1989. The reactor reached 73% RTP at 1015 hours the same day.

A power reduction to 54% RTP for core life extension was started at 1140 hours on February 28, 1989. The power reduction was in progress at the end of the reporting period and the 54% RTP was reached at 1200 hours on March 1, 1989.



DOCKET NO.	50-315
UNIT NAME	<u>D. C. Cook - Unit No. 1</u>
DATE	<u>March 7, 1989</u>
COMPLETED BY	<u>T. R. Stephens</u>
TELEPHONE	<u>(616) 465-5901</u>
PAGE	<u>1 of 1</u>

MAJOR SAFETY-RELATED MAINTENANCE

FEBRUARY 1989

1-M-1      Replaced the door seal on the 612' elevation containment airlock door due to excessive seal leakage.

1000

1000

1000

1000