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 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Feb 1989 for DC Cook, Unit 2.
 W/890307 ltr.

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



U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555

March 7, 1989

Gentlemen:

Pursuant to the requirements of Donald C. Cook Nuclear Plant Unit 2
Technical Specification 6.9.1.10, the attached Monthly Operating
Report for the month of February 1989 is submitted.

Sincerely,


W. G. Smith, Jr.
Plant Manager

WGS/jd

cc: B. A. Svensson
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N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-316

DATE 01-Mar-89

COMPLETED BY H. Giles

TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 2 -----
2. Reporting Period FEB 89 notes -----
3. Licensed Thermal Power (MWt) 3411 -----
4. Name Plate Rating (Gross MWe) 1133 -----
5. Design Electrical Rating (Net MWe) 1100 -----
6. Maximum Dependable Capacity (GROSS MWe) 1100 -----
7. Maximum Dependable Capacity (Net MWe) 1060 -----
8. If Changes Occur in Capacity Ratings (Items no. 3 through 7) Since Last Report Give Reasons _____
0
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	97848.0
12. No. of Hrs. Reactor Was Critical	0.0	0.0	63595.1
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	0.0	0.0	62210.0
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	0	0	189566377
17. Gross Elect. Energy Gen. (MWH)	0	0	61896220
18. Net Elect. Energy Gen. (MWH)	0	0	59584665
19. Unit Service Factor	0.0	0.0	65.1
20. Unit Availability Factor	0.0	0.0	65.1
21. Unit Capacity Factor (MDC Net)	0.0	0.0	58.8
22. Unit Capacity Factor (DER Net)	0.0	0.0	57.4
23. Unit Forced Outage Rate	0.0	0.0	14.5
24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration):			

25. If Shut Down At End of Report Period, Estimated Date of Startup:
Estimated date for return to service-late March 1989
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. 50-316
UNIT TWO
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	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		
14	0		
15	0		
16	0		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH FEBRUARY

DOCKET NO. 50-316
 UNIT NAME D. C. Cook U2
 DATE March 7, 1989
 COMPLETED BY T. R. Stephens
 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
189 (cont'd)	880423	S	672	B&C	1	N/A	ZZ	ZZZZZZ	The unit was removed from service on 880423 for cycle 6-7. Refueling and steam generator repair project. The reactor coolant system is currently at rated no load temperature and pressure. Expected return to service date is late March 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: 50-316
UNIT NAME: D.C. Cook Unit 2
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 in Mode 5 with the RCS level at half loop. For specific details on start up activities see the detail listing below. The unit ended the reporting period in Mode 4 with the RCS temperature at 339° F.

DETAILS

02-02-89	2218	Began fill of the RCS.
	2307	Filling of RCS was stopped with Pressurizer level at 39%.
02-09-89	1854	Began Integrated Leakage Rate Test (ILRT) of the containment.
02-13-89	0508	Successfully completed the ILRT.
02-16-89	0403	A RHR System safety valve lifted prematurely resulting in the Pressurizer Relief Tank rupture disc failing discharging approximately 355 gallons of reactor coolant to the containment floor.
02-19-89	0921	RCS fill and vent procedure completed.
02-22-89	0558	Started RCS cooldown in preparation to lower the RCS level to half loop for repairs to a safety injection system check valve due to leakage in excess of tech spec limits.
02-24-89	0100	RCS level at half loop.
	2240	Began RCS fill and vent.
02-26-89	2015	RCS fill and vent procedure completed.
02-28-89	0715	RCS entered Mode 4.



DOCKET NO.	<u>50-316</u>
UNIT NAME	<u>D.C.Cook-Unit No. 2</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

There were no major safety-related maintenance problems during the month of February.