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SUBJECT: Monthly operating rept for Mar 1989 for DC Cook, Unit 1.
 W/890409 ltr.

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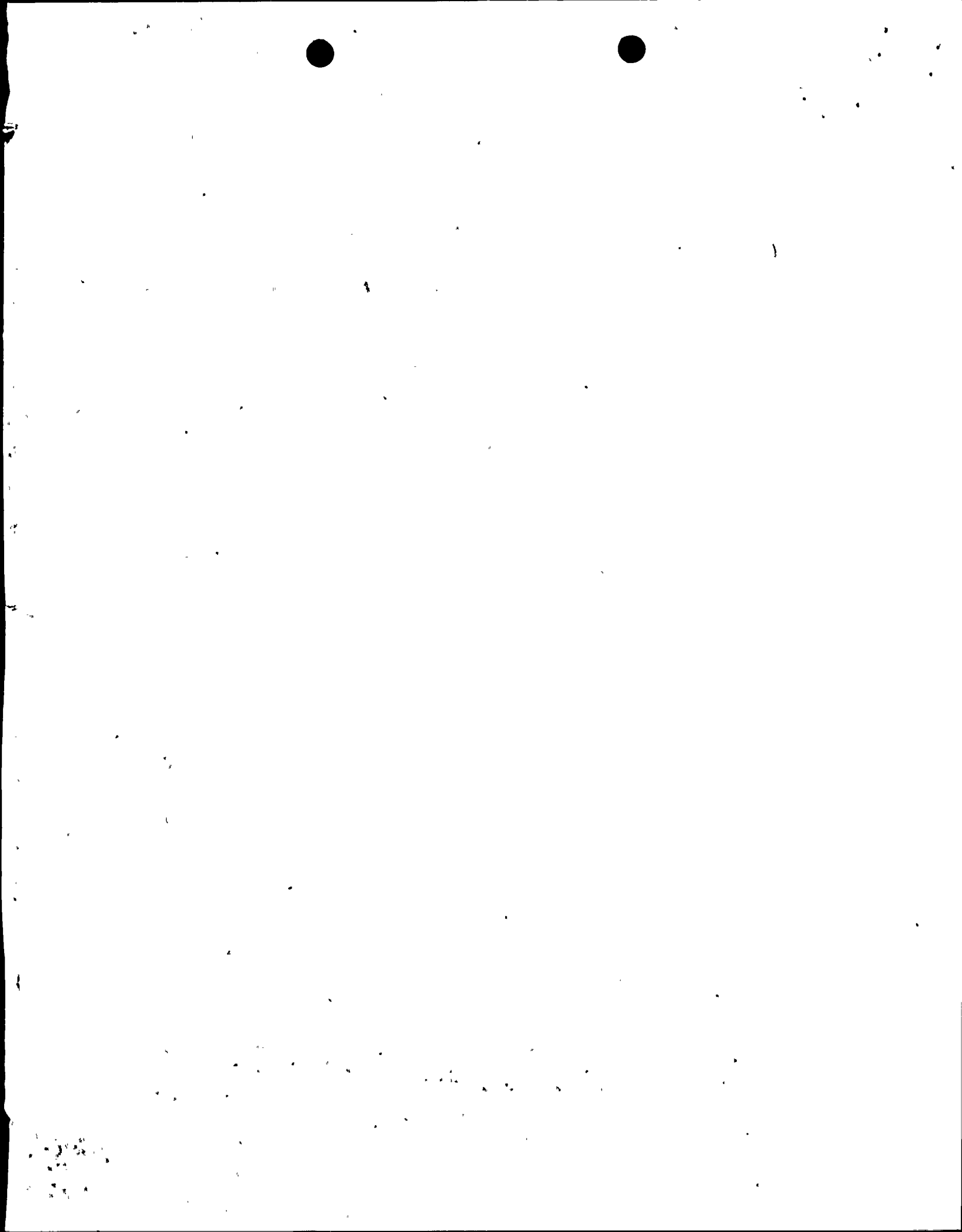
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Indiana Michigan
Power Company
Cook Nuclear Plant
One Cook Place
Bridgman, MI 49106
616 465 5901




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

April 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~~ *March* 1989 is submitted.

Sincerely,

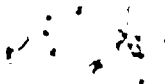

W. G. Smith, Jr.
Plant Manager

WGS/jd

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N.R.C. OPERATING DATA REPORT

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

OPERATING STATUS.

1. Unit Name D. C. Cook Unit 1 -----
 2. Reporting Period MAR 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	744.0	2160.0	124896.0
12. No. of Hrs. Reactor Was Critical	414.1	1809.6	92081.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	414.1	1804.5	90423.4
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	723239	4133062	261339477
17. Gross Elect. Energy Gen. (MWH)	223100	1300260	85218460
18. Net Elect. Energy Gen. (MWH)	208679	1236191	81934980
19. Unit Service Factor	55.7	83.5	73.6
20. Unit Availability Factor	55.7	83.5	73.6
21. Unit Capacity Factor (MDC Net)	27.5	56.1	65.4
22. Unit Capacity Factor (DER Net)	27.2	55.6	63.4
23. Unit Forced Outage Rate	0.0	1.4	7.9
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--early June 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. 50-315
UNIT ONE
DATE 03-Apr-89
COMPLETED BY H. Giles
TELEPHONE 616-465-5901

MONTH MAR 89

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	526	17	506
2	505	18	59
3	505	19	0
4	507	20	0
5	506	21	0
6	508	22	0
7	509	23	0
8	506	24	0
9	506	25	0
10	510	26	0
11	506	27	0
12	507	28	0
13	506	29	0
14	506	30	0
15	509	31	0
16	509		

UNIT SHUTDOWNS AND POWER RESTRICTIONS

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

REPORT MONTH MARCH

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
279	890318	S	329.9	B&C	1&3	89-003-00	IA	INSTRU	<p>A power reduction from 54% was initiated to remove the unit from service for cycle X-XI refueling and maintenance outage. An unplanned reactor/turbine trip occurred from 11% RTP due to NIS Intermediate Range channel high level trip due to erroneous channel reset setpoint value.</p> <p>The unit is currently in Mode 6 with preparations for reactor core unloading in progress.</p>

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: T. R. Stephens
TELEPHONE: (616) 465-5901
DATE: April 7, 1989
PAGE: 1 of 1

MONTHLY OPERATING ACTIVITIES - MARCH 1989

HIGHLIGHTS:

The unit entered the reporting period performing a power reduction to 54% rated thermal power (RTP). The power reduction was instituted to extend the reactor core life. Reactor power was stabilized at 54% RTP at 0937 hours on March 1, 1989. On March 17, 1989 at 2200 hours a power reduction was started to remove the unit from service for cycle 10-11 refueling outage. On March 18, 1989 at 0608 hours the unit experienced a reactor trip from 11% RTP, removing the unit from service. The reporting period ended with the reactor coolant system in Mode 6 with preparations for core unloading in progress.

DETAILS

3-1-89 0937 RTP at 54%.

3-17-89 2200 Starting power reduction at 6% hr. to remove unit from service for refueling outage.

3-18-89 0305 Stopped power decrease at 25% for S/G cleanup.

0330 Continuing unit shutdown.

0608 RTP trip from 11% power due to intermediate range high level (Mode 3).

1720 RCS entered Mode 4.

3-19-89 1335 RCS entered Mode 5.

3-28-89 0034 RCS entered Mode 6.

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The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice. This ensures transparency and allows for easy verification of the data.

In the second section, the author details the various methods used to collect and analyze the data. This includes both manual and automated processes. The goal is to ensure that the information is both reliable and up-to-date.

The third part of the report focuses on the results of the analysis. It shows a clear upward trend in the data over the period covered. This indicates that the current strategies are effective and should be continued.

Finally, the document concludes with a series of recommendations for future actions. These include further investment in technology to improve data collection and more frequent reviews to catch any potential issues early on.

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

MAJOR SAFETY-RELATED MAINTENANCE

MARCH 1989

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

