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RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Sept 1990 for DC Cook Nuclear
Plant Unit 2.W/901004 ltr.

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TITLE: Monthly Operating Report (per Tech Specs)

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



October 4, 1990

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

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 September 1990 is submitted.

Respectfully,

A. Alan Blind
A.A. Blind
Plant Manager

Attachment

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N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-316

DATE 01-Oct-90

COMPLETED BY WT GILLET

TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 2
 2. Reporting Period SEP 90
 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

notes

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	6551.0	111743.0
12. No. of Hrs. Reactor Was Critical	0.0	3788.5	73964.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	0.0	3770.2	72499.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	0	12062932	222940822
17. Gross Elect. Energy Gen. (MWH)	0	3940250	72736360
18. Net Elect. Energy Gen. (MWH)	0	3802660	70048318
19. Unit Service Factor	0.0	57.6	66.3
20. Unit Availability Factor	0.0	57.6	66.3
21. Unit Capacity Factor (MDC Net)	0.0	54.8	60.4
22. Unit Capacity Factor (DER Net)	0.0	52.8	58.8
23. Unit Forced Outage Rate	ERR	10.1	13.6
24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration):			

25. If Shut Down At End of Report Period, Estimated Date of Startup:
 October 14, 1990

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 02-Oct-90
 COMPLETED BY WT GILLET
 TELEPHONE 616-465-5901

MONTH SEP 90

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	29	0
14	0	30	0
15	0		
16	0		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: September 1990

DOCKET NO: 50-316
UNIT NAME: D.C. COOK UNIT 2
DATE: October 6, 1990
COMPLETED BY: E.C. Schimmel
TELEPHONE: (616) 465-5901

NO.	DATE	TYPE ¹	DURATION HOURS	REASON ²	METHOD OF SHUTTING DOWN REACTOR ³	LICENSEE EVENT REPORT NO.	SYSTEM CODE ⁴	COMPONENT CODE ⁵	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
209 (Con't)	900630	S	720	C	1	N/A	ZZ	ZZZZZZ	The unit was removed from service at 0225 hours on 900630 for the Cycle 7-8 Refueling Outage. At the end of the month, the unit was in mode 5, cold shutdown, with the reactor coolant system fill and vent procedure in progress.

1 F: Forced S: Scheduled	2 Reason: A: Equipment Failure (Explain) B: Maintenance or Test C: Refueling D: Regulatory Restriction E: Operator Training and 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
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DOCKET NO: 50-316
UNIT NAME: D.C. Cook Unit 2
COMPLETED BY: E.C. Schimmel
TELEPHONE: (616) 465-5901
DATE: October 4, 1990
PAGE: 1 of 1

MONTHLY OPERATING ACTIVITIES - September 1990

HIGHLIGHTS

The unit entered the reporting period in mode 6 with the reactor core unloaded. Fuel loading commenced at 0306 hours on September 2, 1990. Fuel reloading was complete at 0853 hours on September 4, 1990. The unit entered mode 5 at 1155 hours on September 14, 1990. The reactor coolant system was drained to reduced inventory beginning 2110 hours on September 24, 1990 to complete maintenance activities on reactor coolant pump #13. Reactor coolant system reduced inventory was exited at 1359 hours on September 29, 1990. The unit exited the reporting period in mode 5.

Gross electrical generation for the month of August was 0 MWH.

DETAILS

09/02/90	0306	Commenced reactor core fuel reload.
09/02/90	0333	The unit is in mode 6.
09/04/90	0853	Fuel reloading is complete.
09/14/90	1155	The unit is in mode 5.
09/24/90	2110	Commenced draining the reactor coolant system to reduced inventory.
09/25/90	0413	The reactor coolant system is at reduced inventory to perform maintenance activities on the #13 reactor coolant pump.
09/29/90	1313	Commenced refilling the reactor coolant system.
	1359	Reactor coolant system reduced inventory status is exited.

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PAGE: 1 of 1

MAJOR SAFETY-RELATED MAINTENANCE - September 1990

- 2-M-1 Replaced the rotor and seals on the east centrifugal charging pump.
- 2-M-2 Replaced the motor on 2-QMO-452, the reactor coolant system letdown volume control tank to chemical and volume control system charging pump train B shutoff valve.
- 2-M-3 Replaced the valve stem and disc on 2-IMO-222, the west containment spray pump to spray additive eductor shutoff valve.