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 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Sept 1994 for DC Cook Nuclear
 Plant, Unit 2.W/941017 ltr.

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



October 17, 1994

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 1994 is submitted.

Respectfully,

A handwritten signature in cursive script, appearing to read 'A. Blind'.

A.A. Blind
Plant Manager

Attachment

c: NRC Region III
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N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-316
DATE 04/Oct/94
COMPLETED BY J D Janisse
TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 2
2. Reporting Period September notes
3. Licensed Thermal Power (MWt) 3411
4. Name Plate Rating (Gross MWe) 1133
5. Design Electrical Rating (Net MWe) 1090
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 _____

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	6552.0	146808.0
12. No. of Hrs. Reactor Was Critical	122.8	4675.1	99524.1
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	122.3	4321.1	96097.0
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	185766	10977872	293091967
17. Gross Elect. Energy Gen. (MWH)	53990	3386510	94994410
18. Net Elect. Energy Gen. (MWH)	49925	3234367	91460349
19. Unit Service Factor	17.0	66.0	66.5
20. Unit Availability Factor	17.0	66.0	66.5
21. Unit Capacity Factor (MDC Net)	6.5	46.6	59.6
22. Unit Capacity Factor (DER Net)	6.4	45.3	58.1
23. Unit Forced Outage Rate	0.0	25.4	15.8
24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration):			

25. If Shut Down At End of Report Period, Estimated Date of Startup:
November 15, 1994

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 04/Oct/94
 COMPLETED BY J D Janisse
 TELEPHONE 616-465-5901

MONTH September

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
94/09/01	437	94/09/17	0
94/09/02	426	94/09/18	0
94/09/03	410	94/09/19	0
94/09/04	412	94/09/20	0
94/09/05	385	94/09/21	0
94/09/06	9	94/09/22	0
94/09/07	0	94/09/23	0
94/09/08	0	94/09/24	0
94/09/09	0	94/09/25	0
94/09/10	0	94/09/26	0
94/09/11	0	94/09/27	0
94/09/12	0	94/09/28	0
94/09/13	0	94/09/29	0
94/09/14	0	94/09/30	0
94/09/15	0		
94/09/16	0		

DOCKET NO.: 50-316
UNIT NAME: D.C. Cook Unit 2
COMPLETED BY: D. L. Bublick
TELEPHONE: (616) 465-5901
DATE: Oct 7, 1994
PAGE: Page 1 of 2

MONTHLY OPERATING ACTIVITIES - SEPTEMBER 1994

HIGHLIGHTS

The unit entered this reporting period in Mode 1 at 48% RTP.

End of core life power coastdown program continued in preparation for the cycle 9 to 10 refueling outage. Coastdown was completed on 940906 at 0317.

The unit was removed from service on 940906 at 0318 hours EDT for the cycle 9 to 10 refueling/maintenance outage.

The unit exited this reporting period in Mode 6 at 0% RTP.

There were no challenges to the pressurizer safety valves or power operated relief valves.

Gross Electrical generation for the month of September was 53990 MWH.

DETAILS

9-6-94	0317	Tripped Main Turbine at 7.5% RTP.
	0318	Output breakers opened manually due to limit switch failure.
	0348	Tripped Reactor at 1.2% RTP; entered Reactor Mode 3.
	0535	Commenced RCS Degas.
	1708	Began RCS cooldown and depressurization.
	2358	Entered Reactor Mode 4.
9-7-94	0718	Commenced RCS cooldown to Reactor Mode 5.
	1240	Entered Reactor Mode 5.
9-9-94	1535	Made a four hour report to the NRC due to as found leakage for 2-NS-357 exceeding T.S. 3.6.1.2 Local Leak Rate Test.
9-10-94	0111	Commenced RCS Cooldown and Depressurization.
9-13-94	2348	Entered Reactor Mode 6.

DOCKET NO.: 50-316
UNIT NAME: D.C. Cook Unit 2
COMPLETED BY: D. L. Bublick
TELEPHONE: (616) 465-5901
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PAGE: Page 2 of 2

MONTHLY OPERATING ACTIVITIES - SEPTEMBER 1994

9-18-94	1155	Started latching first fuel assembly; commenced fuel movement.
9-20-94	1421	All fuel removed from reactor core; last fuel assembly placed in the SFP

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: SEPTEMBER 1994

UNIT NAME: D. C. COOK UNIT 2
DATE: Oct 7, 1994
COMPLETED BY: D. L. Bublick
TELEPHONE: (616) 465-5901
PAGE: Page 1 of 1

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
237	940708	S	N/A	H	4	N/A	N/A	N/A	End of core life power coastdown program continued in preparation for the cycle 9 to 10 refueling outage. Coastdown program completed on 940906 at 0317.
239	940906	S	596.7	B,C	4	N/A	N/A	N/A	The unit was removed from service on 940906 at 0318 hours EDT for the cycle 9 to 10 refueling outage.

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 1061)

⁵
Exhibit I: Same
Source