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ACCESSION NBR: 9501190159 DOC. DATE: 94/12/31 NOTARIZED: NO DOCKET #
 FACIL: 50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana M 05000316
 AUTH. NAME AUTHOR AFFILIATION
 JANISSE, J.D. Indiana Michigan Power Co. (formerly Indiana & Michigan Ele
 BLIND, A.A. Indiana Michigan Power Co. (formerly Indiana & Michigan Ele
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Dec 1994 for Donald C Cook Plant
 Unit 2.W/950111 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



January 11, 1995

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 December 1994 is submitted.

Respectfully,

A handwritten signature in dark ink, appearing to read 'A.A. Blind'.

A.A. Blind
Plant Manager

Attachment

c: NRC Region III
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Handwritten initials in dark ink, possibly 'JE24' followed by a vertical line.

N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-316
 DATE 06/Jan/95
 COMPLETED BY JD Janisse
 TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 2
 2. Reporting Period Dec 1994
 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 _____

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	744.0	8760.0	149016.0
12. No. of Hrs. Reactor Was Critical	.492.4	5167.5	100016.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	438.1	4759.2	96535.1
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	1006215	11984087	294098182
17. Gross Elect. Energy Gen. (MWH)	312580	3699090	95306990
18. Net Elect. Energy Gen. (MWH)	297086	3531453	91757435
19. Unit Service Factor	58.9	54.3	65.8
20. Unit Availability Factor	58.9	54.3	65.8
21. Unit Capacity Factor (MDC Net)	37.7	38.0	58.9
22. Unit Capacity Factor (DER Net)	36.6	37.0	57.4
23. Unit Forced Outage Rate	10.4	24.3	15.8
24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration):	None		

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. 50-316
UNIT TWO
DATE 06/Jan/95
COMPLETED BY JD Janisse
TELEPHONE 616-465-5901

MONTH Dec 1994

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
94/12/01	0	94/12/17	426
94/12/02	0	94/12/18	434
94/12/03	0	94/12/19	536
94/12/04	0	94/12/20	558
94/12/05	0	94/12/21	566
94/12/06	0	94/12/22	683
94/12/07	0	94/12/23	699
94/12/08	0	94/12/24	706
94/12/09	0	94/12/25	705
94/12/10	0	94/12/26	803
94/12/11	9	94/12/27	972
94/12/12	0	94/12/28	1058
94/12/13	28	94/12/29	1084
94/12/14	237	94/12/30	1087
94/12/15	278	94/12/31	1083
94/12/16	426		

DOCKET NO.: 50-316
UNIT NAME: D.C. Cook Unit 2
COMPLETED BY: D. L. Bublick
TELEPHONE: (616) 465-5901
DATE: Jan 5, 1995
PAGE: Page 1 of 2

MONTHLY OPERATING ACTIVITIES - DECEMBER 1994

HIGHLIGHTS

The unit entered this reporting period in Mode 3. The Unit was shutdown in support of the cycle 9 to 10 maintenance/refueling outage. The reactor was taken critical on December 10, 1994 at 0804 for the first time in cycle 10. The first entry into Mode 1 was made on December 11, 1994 at 1049.

The main turbine generator was paralleled to the grid on December 11, 1994 at 1514. During the subsequent power increase a reactor trip at 19% RTP occurred which was generated from an MSR high level trip signal. The cause of the trip signal could not be conclusively determined.

The reactor was taken critical on December 12, 1994 at 2033. Mode 1 was entered on December 12, 1994 at 2250. The main turbine generator was paralleled to the grid on December 13, 1994 at 1949. Reactor power increase was commenced per the power ascension program.

The unit exited this reporting period in Mode 1 at 100% RTP

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

Gross electrical generation for the month of December was 312580 MWH.

DETAILS

12-4-94	1659	Commenced RCS cooldown.
12-5-94	0148	Entered Reactor Mode 4.
	1456	Entered Reactor Mode 5.
12-6-94	2335	Commenced RCS heatup.
12-7-94	0026	Entered Reactor Mode 4.
	1219	Entered Reactor Mode 3.
12-10-94	0720	Entered Reactor Mode 2.
	0804	The Reactor was critical; first time in Cycle 10.

DOCKET NO.: 50-316
UNIT NAME: D.C. Cook Unit 2
COMPLETED BY: D. L. Bublick
TELEPHONE: (616) 465-5901
DATE: Jan 5, 1995
PAGE: Page 2 of 2

MONTHLY OPERATING ACTIVITIES - DECEMBER 1994

12-11-94	1049	Entered Reactor Mode 1.
	1131	Reactor power stabilized at 8% RTP.
	1208	Started Main Turbine Generator roll.
	1514	Main Turbine Generator paralleled to the grid.
	1705	Reactor trip occurred, generated by an MSR high level trip signal. Entered Reactor Mode 3.
12-12-94	1451	Entered Reactor Mode 2.
	2033	The Reactor was critical.
	2055	Reactor power stabilized at 2% RTP.
	2250	Entered Reactor Mode 1.
	2323	Reactor power stabilized at 8% RTP. Reset the Main Turbine Generator.
12-13-94	1949	Paralleled the Main Turbine Generator to the grid.
	2105	Reactor power stabilized at 30% RTP.
12-15-94	1125	Commenced Reactor power increase per the power ascension program.
12-28-94	1910	Reactor power stabilized at 100% RTP.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: DECEMBER 1994

UNIT NAME: D. C. COOK UNIT 2
DATE: Jan 5, 1995
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
239	940906	S	279.2	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/maintenance outage. All refueling and maintenance activities were completed and the main turbine generator was paralleled to the grid at 1514 hours on 941211. Total length of the outage was 2339.9 hours.
240	941211	F	50.7	H	3	94-008	IB	LS	During power escalation, with the reactor power at 19% RTP, an MSR high level trip signal was generated followed by a reactor trip at 1705 hours on 941211. The cause of the trip signal could not be conclusively determined. The unit was paralleled to the grid at 1949 hours on 941213.

1	2	3	4	5
F: Forced S: Scheduled	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)	Method: 1: Manual 2: Manual Scram 3: Automatic Scram 4: Other (Explain)	Exhibit G -- Instructions for preparation of data entry sheets for Licensee Event Report (LER) File (NUREG 1061)	Exhibit I: Same Source