

CATEGORY 1

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 AUTH. NAME AUTHOR AFFILIATION
 JANISSE, J.D. Indiana Michigan Power Co. (formerly Indiana & Michigan Ele
 RUSSO, M.E. Indiana Michigan Power Co. (formerly Indiana & Michigan Ele
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Dec 1995 for DC Cook Nuclear Plant Unit 1.W/960103 ltr.

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



January 3, 1996

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 1 Technical Specification 6.9.1.10, the
attached Monthly Operating Report for the month of
December 1995 is submitted.

Respectfully,

A. A. Blind
A.A. Blind
Plant Manager

Attachment

c: NRC Region III
D.R. Hahn
R.C. Callen
S. Hamming
INPO Records Center
ANI Nuclear Engineering Department
E.E. Fitzpatrick
W.G. Smith, Jr.
S.J. Brewer
D.W. Paul
S.H. Steinhart
J.L. Leichner
B.L. Bartlett
D.G. Turner
W.H. Schalk
M.E. Russo

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N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-315
DATE 03/Jan/96
COMPLETED BY JD Janisse
TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 1
2. Reporting Period Dec 1995 notes
3. Licensed Thermal Power (MWt) 3250
4. Name Plate Rating (Gross MWe) 1152
5. Design Electrical Rating (Net MWe) 1020
6. Maximum Dependable Capacity (GROSS MWe) 1056
7. Maximum Dependable Capacity (Net MWe) 1000
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	8760.0	184080.0
12. No. of Hrs. Reactor Was Critical	716.7	6081.4	137992.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	591.2	5810.5	135634.1
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	1666704	17297303	399417881
17. Gross Elect. Energy Gen. (MWH)	535600	5606930	129612370
18. Net Elect. Energy Gen. (MWH)	513907	5396784	124678099
19. Unit Service Factor	79.5	66.3	74.5
20. Unit Availability Factor	79.5	66.3	74.5
21. Unit Capacity Factor (MDC Net)	69.1	61.6	67.5
22. Unit Capacity Factor (DER Net)	67.7	60.4	65.8
23. Unit Forced Outage Rate	13.7	15.3	6.2
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. 50-315
UNIT ONE
DATE 03/Jan/96
COMPLETED BY JD Janisse
TELEPHONE 616-465-5901

MONTH Dec 1995

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	749	17	17
2	751	18	710
3	752	19	1014
4	751	20	1033
5	754	21	1037
6	718	22	1038
7	638	23	1037
8	0	24	1038
9	0	25	1038
10	1	26	1036
11	493	27	1040
12	789	28	1037
13	673	29	1038
14	155	30	1038
15	0	31	1038
16	0		

DOCKET NO: 50-315
UNIT NAME: D.C. Cook Unit 1
COMPLETED BY: M.E. Russo
TELEPHONE: 616-465-5901
DATE: January 3, 1996
PAGE: Page 1 of 2

MONTHLY OPERATING ACTIVITIES - DECEMBER 1995

HIGHLIGHTS

The unit entered this reporting period in Mode 1 at 75% RTP.

A Reactor power decrease commenced December 7, 1995 at 1900 to facilitate Main Transformer linkage bus bolt repairs. The Reactor was manually tripped December 7, 1995 at 2235 due to Main Turbine vibrations experienced during power descent. The unit was taken critical December 9, 1995 at 0156 and the Main Turbine Generator was paralleled to the grid December 10, 1995 at 2311. A Reactor power decrease commenced December 13, 1995 at 1352 to facilitate Main Transformer repairs. The Main Turbine Generator was removed from service December 14, 1995 at 1243 and paralleled back to the grid following repairs December 17, 1995 at 2051.

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 535600 MWH.

DETAILS

12-06-95	1435	Commenced Reactor power decrease due to Main Transformer bus duct bolt high temperatures.
	1535	Reactor power at 71% RTP.
12-07-95	1900	Commenced Reactor power decrease to facilitate Main Transformer repairs.
	2235	Reactor manually tripped due to Main Turbine vibrations.
12-09-95	0115	Entered Reactor Mode 2.
	0156	Reactor critical.
	1628	Entered Reactor Mode 1.
12-10-95	2311	Main Turbine Generator paralleled to the grid.

DOCKET NO: 50-315
UNIT NAME: D.C. Cook Unit 1
COMPLETED BY: M.E. Russo
TELEPHONE: 616-465-5901
DATE: January 3, 1996
PAGE: Page 2 of 2

MONTHLY OPERATING ACTIVITIES - DECEMBER 1995

DETAILS (cont'd)

12-11-95	0720	Reactor power ascension halted at 39% RTP due to high differential pressures across the traveling screens caused by large amounts of intake storm debris.
	0827	Reactor power ascension resumed.
	1948	Reactor power ascension stopped at 78% RTP to monitor Main Transformer temperatures.
12-13-95	1352	Commenced Reactor power decrease to facilitate Main Transformer repairs.
12-14-95	1243	Reactor power at 8% RTP. Manually tripped the Main Turbine Generator.
12-17-95	2051	Main Turbine Generator paralleled to the grid.
12-19-95	0630	Reactor power at 100% RTP.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: DECEMBER 1995

UNIT NAME: D.C. COOK UNIT 1
DATE: January 3, 1996
COMPLETED BY: M.E. Russo
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
322	951207	F	72.6	H	2	N/A	N/A	N/A	The reactor was manually tripped 951207 at 2235 due to excessive Main Turbine vibrations experienced during a power descent to facilitate Main Transformer repairs. Following repairs, the unit attained criticality 951209 at 0156 and the Main Generator was paralleled to the grid 951210 at 2311.
323	951214	S	80.2	H	N/A	N/A	N/A	N/A	The turbine generator was removed from service 951214 at 1243 to facilitate Main Transformer bus duct thermal anomaly repairs created by circulating currents. The Turbine generator was paralleled to the grid 951217 at 2051.

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 0161)	Exhibit I: Same Source