

PRIORITY 1
(ACCELERATED RIDS PROCESSING)

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9512140156 DOC. DATE: 95/11/30 NOTARIZED: NO DOCKET #
FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana M 05000315
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 Nov 1995 for Donald C Cook
Nuclear Plant Unit 1.W/951204 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



December 4, 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 1 Technical Specification 6.9.1.10, the
attached Monthly Operating Report for the month of
November 1995 is submitted.

Respectfully,

A handwritten signature in cursive script, appearing to read '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
Visitor Center Manager
M.E. Russo

9512140156 951130
PDR ADCK 05000315
R PDR

A handwritten signature in cursive script, possibly reading 'J. E. 24'.

N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-315
 DATE 04/Dec/95
 COMPLETED BY JD Janisse
 TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 1
 2. Reporting Period Nov 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	720.0	8016.0	183336.0
12. No. of Hrs. Reactor Was Critical	579.5	5364.7	137275.6
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	517.3	5219.3	135042.9
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	1319503	15630599	397751177
17. Gross Elect. Energy Gen. (MWH)	419620	5071330	129076770
18. Net Elect. Energy Gen. (MWH)	400663	4882881	124164196
19. Unit Service Factor	71.8	65.1	74.5
20. Unit Availability Factor	71.8	65.1	74.5
21. Unit Capacity Factor (MDC Net)	55.6	60.9	67.5
22. Unit Capacity Factor (DER Net)	54.6	59.7	65.8
23. Unit Forced Outage Rate	24.1	15.4	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 04/Dec/95
 COMPLETED BY JD Janisse
 TELEPHONE 616-465-5901

MONTH Nov, 1995

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
95/11/01	0	95/11/17	1005
95/11/02	0	95/11/18	919
95/11/03	0	95/11/19	1025
95/11/04	0	95/11/20	928
95/11/05	0	95/11/21	644
95/11/06	0	95/11/22	598
95/11/07	151	95/11/23	18
95/11/08	390	95/11/24	0
95/11/09	449	95/11/25	308
95/11/10	585	95/11/26	850
95/11/11	687	95/11/27	863
95/11/12	923	95/11/28	734
95/11/13	1017	95/11/29	748
95/11/14	1035	95/11/30	749
95/11/15	1033		
95/11/16	1033		



DOCKET NO: 50-315
UNIT NAME: D.C. Cook Unit 1
COMPLETED BY: M.E. Russo
TELEPHONE: 616-465-5901
DATE: December 4, 1995
PAGE: Page 1 of 2

MONTHLY OPERATING ACTIVITIES - NOVEMBER 1995

HIGHLIGHTS

The unit entered this reporting period in Mode 5 at 0% RTP for Pressurizer PORV repairs and removal of chemical contamination from the secondary system. The unit was taken critical and paralleled to the grid November 7, 1995 at 0757.

A Reactor power decrease commenced November 22, 1995 at 1900 to facilitate Main Transformer linkage bus bolt repairs. The Main Turbine Generator was removed from service November 23, 1995 at 0251 and was paralleled to the grid following repairs November 25, 1995 at 0535. Power remained at 75% RTP due to circulating currents creating local thermal anomalies within the bus ducts.

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

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

Gross electrical generation for the month of November was 419620 MWH.

DETAILS

11-05-95	1904	Entered Reactor Mode 4.
11-06-95	0000	Entered Reactor Mode 3.
	1950	Entered Reactor Mode 2.
	2027	Reactor critical.
11-07-95	0040	Entered Reactor Mode 1.
	0757	Main Turbine Generator paralleled to the grid.
11-08-95	0359	Reactor power at 44% RTP.
11-10-95	0540	Reactor power at 70% RTP.
	0708	Commenced Reactor power decrease to 60% RTP to remove Zebra mussel fouling of the East Main Feed Pump condenser water box.

DOCKET NO: 50-315
UNIT NAME: D.C. Cook Unit 1
COMPLETED BY: M.E. Russo
TELEPHONE: 616-465-5901
DATE: December 4, 1995
PAGE: Page 2 of 2

MONTHLY OPERATING ACTIVITIES - NOVEMBER 1995

DETAILS (cont'd)

11-10-95	0830	Reactor power at 60% RTP.
11-11-95	0200	Commenced Reactor power ascension to 100% RTP.
11-13-95	1715	Reactor power at 100% RTP.
11-17-95	1925	Commenced Reactor power decrease to 80% RTP to perform Main Turbine valve testing.
	2025	Reactor power at 80% RTP.
11-18-95	0930	Commenced Reactor power ascension to 100% RTP.
11-19-95	2145	Reactor power at 100% RTP.
11-20-95	1445	Commenced Reactor power decrease to 61% RTP to troubleshoot Main Transformer linkage bus bolt problems.
	2212	Reactor power at 61% RTP.
11-22-95	1900	Commenced Reactor power decrease to facilitate Main Transformer repairs.
11-23-95	0251	Manually tripped the Main Turbine Generator.
	0305	Reactor power at 7% RTP.
11-25-95	0535	Main Turbine Generator paralleled to the grid.
11-28-95	1115	Reactor power stabilized at 75% RTP to monitor temperature of Main Transformer linkage bus bolts.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: NOVEMBER 1995

UNIT NAME: D.C. COOK UNIT 1
 DATE: December 4, 1995
 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
320	951028	F	152.0	H	1	N/A	N/A	N/A	The turbine generator was removed from service 951028 at 0215 EST and the reactor shutdown 951028 at 0706 EST due to increased concentrations of sodium in each Steam Generator. Following leak source identification and resolution, the Turbine generator was paralleled to the grid 951107 at 0757. Total length of the outage was 245.7 hrs.
321	951123	S	50.7	H	N/A	N/A	N/A	N/A	The turbine generator was removed from service 951123 at 0251 to investigate Main Transformer bus duct thermal anomalies created by circulating currents. The Turbine generator was paralleled to the grid 951125 at 0535.

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

