

**PRIORITY 1**

(ACCELERATED RIDS PROCESSING)

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ACCESSION NBR: 9511150003      DOC. DATE: 95/10/31      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 Oct 1995 for DC Cook Nuclear  
Plant Unit 1.W/951106 ltr.

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TITLE: Monthly Operating Report (per Tech Specs)

NOTES:

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INTERNAL:	AEOD/SPD/RRAB	1 1	<u>FILE CENTER 01</u>	1 1
	NRR/DRPM/PECB	1 1	<u>RGN3</u>	1 1
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November 6, 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 October  
1995 is submitted.

Respectfully,



A.A. Blind  
Plant Manager

Attachment

c: NRC Region III  
D.R. Hahn  
R.C. Callen  
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INPO Records Center  
ANI Nuclear Engineering Department  
E.E. Fitzpatrick  
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D.W. Paul  
S.H. Steinhart  
J.L. Leichner  
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D.G. Turner  
Visitor Center Manager  
M.E. Russo

9511150003 951031  
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JE24, 11

# N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-315  
 DATE 06/Nov/95  
 COMPLETED BY Janisse JD  
 TELEPHONE 616-465-5901

## OPERATING STATUS

1. Unit Name D. C. Cook Unit 1  
 2. Reporting Period Oct 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	7296.0	182616.0
12. No. of Hrs. Reactor Was Critical	103.2	4785.2	136696.1
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	42.6	4702.0	134525.6
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	32089	14311097	396431674
17. Gross Elect. Energy Gen. (MWH)	6680	4651710	128657150
18. Net Elect. Energy Gen. (MWH)	5231	4482218	123763533
19. Unit Service Factor	5.7	64.4	74.5
20. Unit Availability Factor	5.7	64.4	74.5
21. Unit Capacity Factor (MDC Net)	0.7	61.4	67.5
22. Unit Capacity Factor (DER Net)	0.7	60.2	65.8
23. Unit Forced Outage Rate	72.7	14.4	6.1

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:  
 November 6, 1995

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 06/Nov/95  
 COMPLETED BY Janisse JD  
 TELEPHONE 616-465-5901

MONTH Oct 1995

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
95/10/01	0	95/10/17	0
95/10/02	0	95/10/18	0
95/10/03	0	95/10/19	0
95/10/04	0	95/10/20	0
95/10/05	0	95/10/21	0
95/10/06	0	95/10/22	0
95/10/07	0	95/10/23	0
95/10/08	0	95/10/24	0
95/10/09	0	95/10/25	53
95/10/10	0	95/10/26	5
95/10/11	0	95/10/27	150
95/10/12	0	95/10/28	11
95/10/13	0	95/10/29	0
95/10/14	0	95/10/30	0
95/10/15	0	95/10/31	0
95/10/16	0		



DOCKET NO: 50-315  
UNIT NAME: D.C. Cook Unit 1  
COMPLETED BY: M.E. Russo  
TELEPHONE: 616-465-5901  
DATE: November 6, 1995  
PAGE: Page 1 of 3

MONTHLY OPERATING ACTIVITIES - OCTOBER 1995

HIGHLIGHTS\*

The unit entered this reporting period in Mode 6 at 0% RTP for the Cycle 14 to 15 maintenance/refueling outage. Core alterations halted at the end of last period due to a damaged fuel assembly, resumed this period. The Reactor was taken critical October 23, 1995 at 0742 for the first time in fuel cycle 15.

The Reactor was manually tripped October 24, 1995 at 0349 to perform a balance of Reactor Coolant Pump #12. Criticality was achieved October 24, 1995 at 1557 and entry into Mode 1 occurred October 25, 1995 at 0115. The Turbine Generator was paralleled to the grid October 25, 1995 at 1014 where power escalation to 29% RTP began.

Reactor power was decreased October 26, 1995 at 0010 to perform Main Turbine Overspeed Testing. Power ascension to 29% RTP commenced October 27, 1995 at 0623 following grid parallel.

Unit shutdown was commenced due to increased concentrations of sodium in each Steam Generator on October 28, 1995 at 0030. Leak source identification remained under investigation for the balance of this period. Power descent continued to Mode 5 to perform scheduled forced outage maintenance.

The unit exited this reporting period in Mode 5 at 0% RTP.

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

Gross electrical generation for the month of October was 6680 MWH.

DETAILS\*

10-05-95	0358	Recommenced Core reload.
10-07-95	1022	Core reload complete

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MONTHLY OPERATING ACTIVITIES - OCTOBER 1995

DETAILS\* (cont'd)

10-10-95	1252	Entered Reactor Mode 5.
10-16-95	2314	Entered Reactor Mode 4.
10-18-95	0017	Entered Reactor Mode 3.
10-23-95	0434	Entered Reactor Mode 2.
	0742	Reactor critical for the first time in Fuel Cycle 15.
10-24-95	0349	Reactor Trip Breakers opened. Entered Reactor Mode 3 to balance RCP #12.
	0820	Completed RCP #12 balance.
	1204	Entered Reactor Mode 2.
	1557	Reactor critical.
10-25-95	0115	Entered Reactor Mode 1.
	1014	Main Generator paralleled to the grid.
	2033	Reactor power at 29% RTP.
10-26-95	0010	Commenced Reactor power decrease to perform Main Turbine Overspeed Testing.
	0852	Opened Main Generator output breakers.
	0855	Commenced Main Turbine Overspeed Testing.
	0910	Completed Main Turbine Overspeed Testing.



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MONTHLY OPERATING ACTIVITIES - OCTOBER 1995

DETAILS\* (cont'd)

10-26-95	0925	Manually tripped Main Turbine to perform placement of balancing weight.
	1030	Entered Reactor Mode 2.
10-27-95	0135	Reset Main Turbine.
	0242	Entered Reactor Mode 1.
	0623	Main Generator paralleled to the grid.
	0811	Reactor power at 29% RTP.
10-28-95	0030	Commenced unit shutdown due to increased concentrations of sodium in each Steam Generator.
	0215	Manually tripped the Main Turbine. Entered Reactor Mode 2.
	0706	Manually tripped the Reactor. Entered Reactor Mode 3.
	1525	Entered Reactor Mode 4.
10-29-95	0938	Entered Reactor Mode 5.

\* All times referenced to Eastern Standard.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: OCTOBER 1995

UNIT NAME: D.C. COOK UNIT 1  
DATE: November 6, 1995  
COMPLETED BY: M.E. Russo  
TELEPHONE: 616-465-5901  
PAGE: Page 1 of 2

NO.	DATE	TYPE <sup>1</sup>	DURATION HOURS	REASON <sup>2</sup>	METHOD OF SHUTTING DOWN REACTOR <sup>3</sup>	LICENSEE EVENT REPORT NO.	SYSTEM CODE <sup>4</sup>	COMPONENT CODE <sup>5</sup>	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
318	950716	S	586.2	B,C	1	N/A	N/A	N/A	The unit was removed from service 950716 at 1053 EST for Main Transformer replacement followed by cycle 14 to 15 refueling/maintenance outage. All refueling/maintenance activities were completed and the turbine generator was paralleled to the grid 951025 at 1014 EST. Total length of the outage was 2421.7 hrs.
319	951026	S	21.5	B	1	N/A	N/A	N/A	The turbine generator was removed from parallel 951026 at 0852 EST to perform turbine overspeed testing. Following a Main Turbine balance weight placement, testing was successfully completed and the unit was paralleled to the grid 951027 at 0623 EST.

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

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: OCTOBER 1995

UNIT NAME: D.C. COOK UNIT 1  
DATE: November 6, 1995  
COMPLETED BY: M.E. Russo  
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PAGE: Page 2 of 2

NO.	DATE	TYPE <sup>1</sup>	DURATION HOURS	REASON <sup>2</sup>	METHOD OF SHUTTING DOWN REACTOR <sup>3</sup>	LICENSEE EVENT REPORT NO.	SYSTEM CODE <sup>4</sup>	COMPONENT CODE <sup>5</sup>	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
320	951028	F	93.7	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. Leak source identification remained under investigation for the balance of this period.

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

