

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9103180243      DOC. DATE: 91/02/28      NOTARIZED: NO      DOCKET #  
FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana & 05000315  
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BLIND, A.A.      Indiana Michigan Power Co. (formerly Indiana & Michigan Ele  
RECIP. NAME      RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Feb 1991 for DC Cook Unit 1.W/  
910305 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



March 5, 1991

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 February 1991 is submitted.

Respectfully,

A handwritten signature in cursive script that reads 'A. A. Blind'.

A.A. Blind  
Plant Manager

Attachment

c: NRC Region III  
D.R. Hahn  
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S.L. Hall  
J.G. Keppler  
INPO Records Center  
ANI Nuclear Engineering Department  
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D.F. Krause  
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# N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-315

DATE 01-Mar-91

COMPLETED BY JD JANISSE

TELEPHONE 616-465-5901

## OPERATING STATUS

1. Unit Name D. C. Cook Unit 1  
 2. Reporting Period FEB.91  
 3. Licensed Thermal Power (MWt) 3250  
 4. Name Plate Rating (Gross MWe) 1152  
 5. Design Electrical Rating (Net MWe) 1030  
 6. Maximum Dependable Capacity (GROSS MWe) 1056  
 7. Maximum Dependable Capacity (Net MWe) 1020  
 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	672.0	1416.0	141672.0
12. No. of Hrs. Reactor Was Critical	672.0	890.4	104277.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	672.0	790.8	102419.6
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	2146560	2314901	297744549
17. Gross Elect. Energy Gen. (MWH)	698620	741970	96873200
18. Net Elect. Energy Gen. (MWH)	674024	713358	93146831
19. Unit Service Factor	100.0	55.8	73.3
20. Unit Availability Factor	100.0	55.8	73.3
21. Unit Capacity Factor (MDC Net)	98.3	49.4	65.4
22. Unit Capacity Factor (DER Net)	97.4	48.9	63.6
23. Unit Forced Outage Rate	0.0	0.0	7.0
24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration):			

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 01-Mar-91  
 COMPLETED BY JD JANISSE  
 TELEPHONE 616-465-5901

MONTH FEB.91

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	669	17	1019
2	945	18	1023
3	1008	19	1016
4	1007	20	1016
5	1014	21	1015
6	1012	22	1020
7	1016	23	1020
8	1021	24	1017
9	1015	25	1017
10	1024	26	1022
11	1024	27	1015
12	1024	28	1022
13	1020		
14	1019		
15	1020		
16	1025		

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: February 1991

DOCKET NO: 50-315  
UNIT NAME: D.C. COOK UNIT 1  
DATE: March 5, 1991  
COMPLETED BY: E.C. Schimmel  
TELEPHONE: (616) 465-5901

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
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None

There were no unit shutdowns or significant power reductions from the maximum power level of 100% during the month.

<sup>1</sup>  
F: Forced  
S: Scheduled

<sup>2</sup>  
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)

<sup>3</sup>  
Method:  
1: Manual  
2: Manual Scram  
3: Automatic Scram  
4: Other (Explain)

<sup>4</sup>  
Exhibit G - Instructions  
for preparation of data  
entry sheets for Licensee  
Event Report (LER) File  
(NUREG 0161)

<sup>5</sup>  
Exhibit I: Same Source

DOCKET NO: 50-315  
UNIT NAME: D.C. Cook Unit 1  
COMPLETED BY: E.C. Schimmel  
TELEPHONE: (616) 465-5901  
DATE: March 5, 1991  
PAGE: 1 of 1

MONTHLY OPERATING ACTIVITIES - February 1991

HIGHLIGHTS

The unit entered the reporting period at approximately 53% RTP with power being increased to 68% RTP. 68% RTP was reached at 0655 hours on 910201. Reactor power was held at 68% RTP for flux mapping. Reactor power was increased to 90% RTP where it was held for flux mapping and calorimetric testing. 100% RTP was reached on 910202. The unit exited the reporting period at 100% RTP.

Gross electrical generation for the month of February was 698620 MWH.

DETAILS

02/01/91	0655	The unit is at 68% RTP and holding for flux mapping.
	1335	Commenced unit power increase to 90% RTP.
02/02/91	0330	The unit is at 90% RTP and holding for flux mapping and calorimetric testing.
	1130	Commenced unit power increase to 100% RTP.
	1730	The unit is at 100% RTP.

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PAGE: 1 of 1

MAJOR SAFETY-RELATED MAINTENANCE - February 1991

- 1-M-1      The manual isolation valve CS-484 upstream of emergency boration motor operated valve QMO-410 had a diaphragm leak. The valve was rebuilt with new gaskets, o-rings, and a new diaphragm to restore the valve to operability.
- 1-M-2      Steam generator #13 stop valve inlet condensation drain shutoff valve, MS-135-3, exhibited a body-to-bonnet leak. The defective valve was replaced with a new valve to eliminate the leak.
- 1-M-3      The regenerative heat exchanger outlet 75 GPM flow orifice outlet shutoff valve, QRV-161, exhibited a leaking diaphragm. A new diaphragm was installed on the valve to eliminate the leak.