

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

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 FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana & 05000315  
 AUTH. NAME                      AUTHOR AFFILIATION  
 GILLETT, W. T.                  Indiana Michigan Power Co.  
 BLIND, A. A.                     Indiana Michigan Power Co.  
 RECIP. NAME                    RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for July 1991 for DC Cook Nuclear Plant.W/910808 ltr.

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



August 8, 1991

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
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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 July 1991 is submitted.

Respectfully,

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

Attachment

c: NRC Region III  
D.R. Hahn  
EPRI - Nuclear Safety Analysis Center  
R.C. Callen  
S. Hamming  
J.G. Keppler  
INPO Records Center  
ANI Nuclear Engineering Department  
D.H. Williams, Jr.  
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J.F. Kurgan  
J.J. Markowsky  
D.A. Timberlake  
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S.H. Steinhart  
J.L. Leichner  
J.A. Isom  
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J.C. Krieger  
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D.F. Krause  
E.C. Schimmel

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N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-315  
 DATE 1-AUG-91  
 COMPLETED BY WT GILLETT  
 TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 1  
 2. Reporting Period JULY 1991 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: See asterics (\*) below.

	This Mo.	Yr. to Date	Cumm.
11. Hours in Reporting Period	744.0	5087.0	145343.0
12. No. of Hrs. Reactor Was Critical	744.0	4168.7	107555.7
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	744.0	3952.5	105581.3
-15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	2394216	12314498	307744146
17. Gross Elect. Energy Gen. (MWH)	755010	3953870	100085100
18. Net Elect. Energy Gen. (MWH)	727310	3808706	96242179
19. Unit Service Factor	100.0	77.7	73.7
20. Unit Availability Factor	100.0	77.7	73.7
21. Unit Capacity Factor (MDC Net)	95.8	73.4	65.9
22. Unit Capacity Factor (DER Net)	94.9	72.1	64.0
23. Unit Forced Outage Rate	0.0	3.2	6.9
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		

\* Item No. 5: Design Electrical Rating (DER) NET MWe has been changed effective July 1, 1991. This reduction is the result of the steam condenser tube replacement with stainless steel tubes, which cause a high turbine exhaust pressure.

\* Item No. 7: Maximum dependable capacity (MDC) NET MWe, effective July 1, 1991, will be 1000, during the period from May through October and 1020 during the period from November through April.

These NET ratings and capabilities reflect historical data on generating capability due to changes in lake water temperature.

AVERAGE DAILY POWER LEVEL (MWe-Net)

DOCKET NO. 50-315  
UNIT ONE  
DATE 01-Aug-91  
COMPLETED BY WT GILLETT  
TELEPHONE 616-465-5901

MONTH JUL.91

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	975	17	980
2	974	18	960
3	972	19	974
4	970	20	971
5	965	21	971
6	966	22	969
7	976	23	968
8	974	24	975
9	980	25	975
10	978	26	983
11	989	27	981
12	989	28	980
13	989	29	983
14	996	30	995
15	988	31	984
16	975		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: July 1991

DOCKET NO: 50-315  
 UNIT NAME: D.C. COOK UNIT 1  
 DATE: August 8, 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.

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

DOCKET NO: 50-315  
UNIT NAME: D.C. Cook Unit 1  
COMPLETED BY: E.C. Schimmel  
TELEPHONE: (616) 465-5901  
DATE: August 8, 1991  
PAGE: 1 of 1

MONTHLY OPERATING ACTIVITIES - July 1991

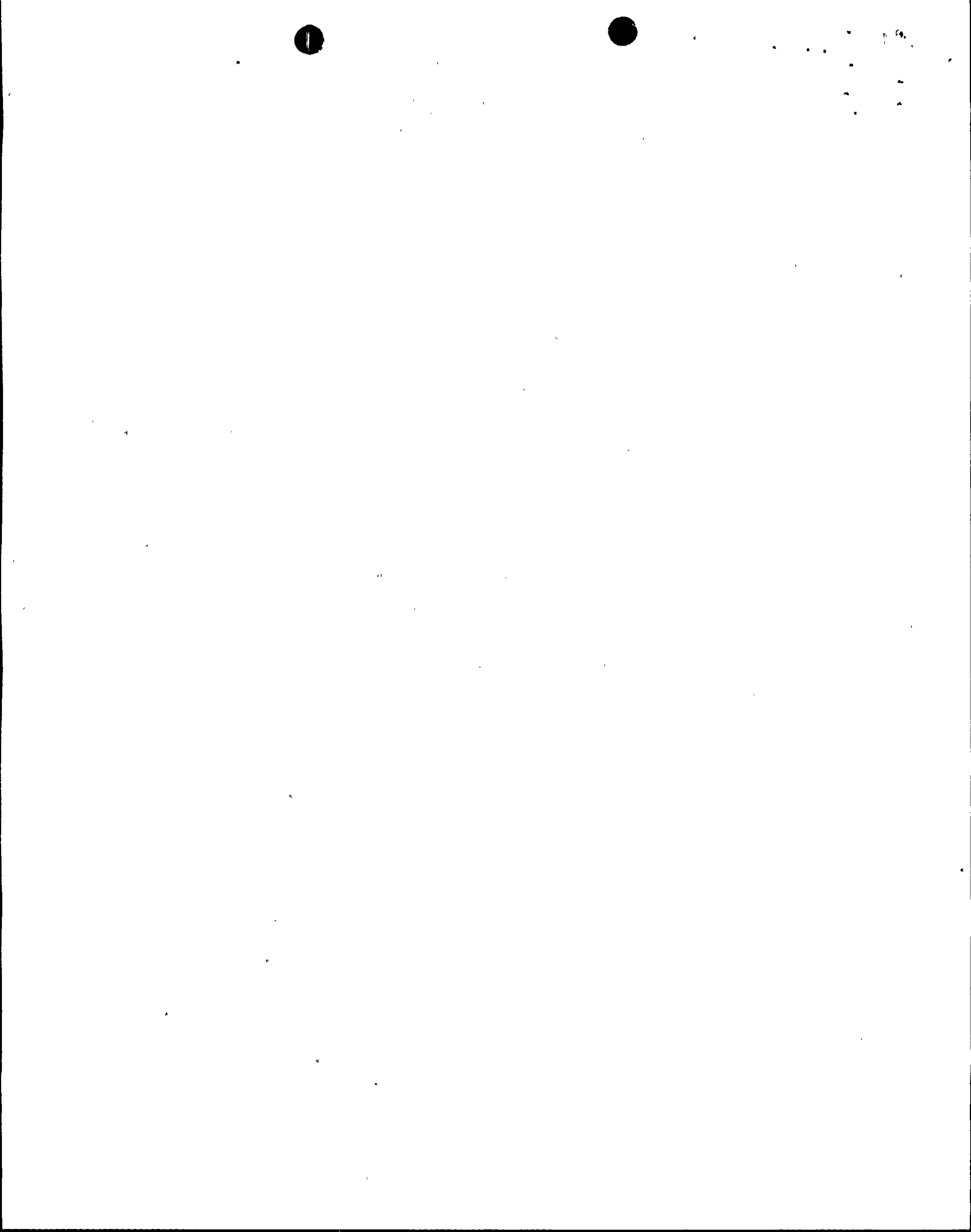
HIGHLIGHTS

The unit entered the reporting period at 100% RTP. Unit power was reduced to 93% RTP beginning 2205 hours on 910705 for main turbine control valve testing. The unit was restored to 100% RTP at 0500 hours on 910706. Minor unit power reductions (1 to 2%) were experienced beginning 910714 due to increased condenser back pressure caused by elevated lake temperatures. The main turbine control valves were being maintained at 100% open. The power levels ranged between 98% and 99% RTP through the end of the month. The unit exited the reporting period at 99% RTP.

Gross electrical generation for the month of July was 755010 MWH.

DETAILS

07/05/91	2205	Commenced unit power reduction to 93% RTP for main turbine control valve testing.
	2345	The unit is at 93% RTP.
07/06/91	0210	Commenced unit power increase to 100% RTP.
	0500	The unit is at 100% RTP.



DOCKET NO: 50-315  
UNIT NAME: D.C. Cook Unit 1  
COMPLETED BY: E.C. Schimmel  
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PAGE: 1 of 1

MAJOR SAFETY-RELATED MAINTENANCE - July 1991

There were no major safety-related maintenance items during the month of July.





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