

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Aug 1991 for DC Cook Nuclear  
Plant Unit 1, per Tech Spec 6.9.1.10.W/910905 ltr.

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Bridgman, MI 49106  
616 465 5901



September 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 August 1991 is submitted.

Respectfully,

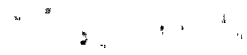
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Plant Manager

Attachment

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# N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-315

DATE 03-Sep-91

COMPLETED BY WT GILLET

TELEPHONE 616-465-5901

## OPERATING STATUS

1. Unit Name D. C. Cook Unit 1
2. Reporting Period AUG.91
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 \_\_\_\_\_

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	744.0	5831.0	146087.0
12. No. of Hrs. Reactor Was Critical	744.0	4912.7	108299.7
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	744.0	4696.5	106325.3
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	2403407	14717905	310147553
17. Gross Elect. Energy Gen. (MWH)	761100	4714970	100846200
18. Net Elect. Energy Gen. (MWH)	733703	4542409	96975882
19. Unit Service Factor	100.0	80.5	73.8
20. Unit Availability Factor	100.0	80.5	73.8
21. Unit Capacity Factor (MDC Net)	96.7	76.4	66.0
22. Unit Capacity Factor (DER Net)	95.7	75.6	64.2
23. Unit Forced Outage Rate	0.0	2.7	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 03-Sep-91  
COMPLETED BY WT GILLET  
TELEPHONE 616-465-5901

MONTH AUG. 91

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	980	17	989
2	978	18	983
3	981	19	982
4	980	20	991
5	989	21	994
6	995	22	990
7	986	23	987
8	991	24	990
9	988	25	982
10	1000	26	980
11	997	27	977
12	989	28	976
13	990	29	978
14	989	30	979
15	991	31	986
16	983		

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: August 1991

DOCKET NO: 50-315  
UNIT NAME: D.C. COOK UNIT 1  
DATE: September 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.

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: September 5, 1991  
PAGE: 1 of 1

MONTHLY OPERATING ACTIVITIES - August 1991

HIGHLIGHTS

The unit entered the reporting period at 99% RTP. At 1305 hours on August 19, 1991 Technical Specification (T/S) 3.0.3 was entered due to a rod control system failure that caused a violation of T/S 3.1.3.4 rod insertion limit on Shutdown Bank A, Group 2 rods. At 1403 hours a power reduction was started per the requirements of T/S 3.0.3 and an Unusual Event was also declared at this time. Repairs were effected and unit power was restored to 99.5% RTP at 2130 hours on 910819. The unit exited the reporting period at 99.5% RTP.

Gross electrical generation for the month of August was 761100 MWH.

DETAILS

08/19/91	1305	Entered T/S 3.0.3 due to flux map indication that Shutdown Bank A, Group 2 rods are inserted 4 steps in violation of T/S 3.1.3.4 L.C.O.
08/19/91	1403	Commenced power reduction per T/S 3.0.3 and declared an Unusual Event.
	1603	The unit is at 97% RTP. The rod control system malfunction has been repaired. The unusual event has been exited, and unit shutdown has been terminated.
	1647	Commenced unit power increase to 99.5% RTP.
	2130	The unit is at 99.5% RTP.

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PAGE: 1 of 1

MAJOR SAFETY-RELATED MAINTENANCE - August 1991

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