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 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Jan 1994 for DC Cook Nuclear  
 Plant Unit 2.W/940207 ltr.

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One Cook Place  
Bridgman, MI 49106  
616 465 5901




February 7, 1994

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 2 Technical Specification 6.9.1.10, the attached Monthly  
Operating Report for the month of January 1994 is submitted.

Respectfully,

  
A.A. Blind  
Plant Manager

Attachment

c: NRC Region III  
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# N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-316

DATE 04/Feb/94

COMPLETED BY JD Janisse

TELEPHONE 616-465-5901

## OPERATING STATUS

1. Unit Name D. C. Cook Unit 2  
 2. Reporting Period JAN 94  
 3. Licensed Thermal Power (MWt) 3411  
 4. Name Plate Rating (Gross MWe) 1133  
 5. Design Electrical Rating (Net MWe) 1090  
 6. Maximum Dependable Capacity (GROSS MWe) 1100  
 7. Maximum Dependable Capacity (Net MWe) 1060  
 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	744.0	141000.0
12. No. of Hrs. Reactor Was Critical	641.8	641.8	95490.8
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	622.7	622.7	92398.6
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	1746994	1746994	283861088
17. Gross Elect. Energy Gen. (MWH)	561510	561510	92169410
18. Net Elect. Energy Gen. (MWH)	540258	540258	88766240
19. Unit Service Factor	83.7	83.7	66.6
20. Unit Availability Factor	83.7	83.7	66.6
21. Unit Capacity Factor (MDC Net)	68.5	68.5	60.3
22. Unit Capacity Factor (DER Net)	66.6	66.6	58.7
23. Unit Forced Outage Rate	16.3	16.3	15.3
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. 50-316  
 UNIT TWO  
 04/Feb/94 04/Feb/94  
 JD Janisse JD Janisse  
 TELEPHONE 616-465-5901

JAN 94

JAN 94

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
01/01/94	901	01/17/94	906
01/02/94	901	01/18/94	907
01/03/94	899	01/19/94	938
01/04/94	907	01/20/94	980
01/05/94	909	01/21/94	891
01/06/94	909	01/22/94	38
01/07/94	911	01/23/94	0
01/08/94	913	01/24/94	0
01/09/94	911	01/25/94	0
01/10/94	913	01/26/94	0
01/11/94	908	01/27/94	205
01/12/94	910	01/28/94	747
01/13/94	913	01/29/94	787
01/14/94	911	01/30/94	791
01/15/94	909	01/31/94	792
01/16/93	904		

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: JANUARY 1994

UNIT NAME: D. C. COOK UNIT 2  
DATE: Feb 7, 1994  
COMPLETED BY: R. D. Reynnells  
TELEPHONE: (616) 465-5901  
PAGE 1 OF 1

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
233	940121	S	122.7	B	1	N/A	N/A	N/A	Reactor shutdown commenced on 940121 to repair an unisolable leak on #21 Steam Generator Blowdown line. The unit was off line for a total of 122.7 hours during this repair. The unit exited this reporting period at 75% RTP after the blowdown repair.

1 F: Forced S: Scheduled	2 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)	3 Method: 1: Manual 2: Manual Scram 3: Automatic Scram 4: Other (Explain)	4 Exhibit G - Instructions for preparation of data entry sheets for Licensee Event Report (LER) File (NUREG 1061)	5 Exhibit I: Same Source
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DC UNIT NO.: 50-316  
UNIT NAME: D.C. Cook Unit 2  
COMPLETED BY: R. D. Reynnells  
TELEPHONE: (616) 465-5901  
DATE: Feb 7, 1994  
PAGE: Page 1 of 2

MONTHLY OPERATING ACTIVITIES - JANUARY 1994

HIGHLIGHTS

The unit entered the reporting period in Mode 1 at 85% RTP.

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

On January 21, 1994 at 1725 hours, a reactor shutdown was commenced to repair an unisolable leak on #21 Steam Generator blowdown line. The main generator was unloaded on January 22, 1994 at 0255 hours. After repair to the blowdown line, the unit was paralleled to the grid on January 27, 1994 at 0536 hours.

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

Gross Electrical generation for the month of December was 619380 MWH.

DETAILS

01-19-94	0815	Commenced reactor power increase to meet system demands.
	1228	Reactor power is at 89% RTP.
	1830	Commenced reactor power increase to 91.5% RTP
	1845	Reactor power is at 91.5% RTP
01-21-94	1725	Commenced reactor shutdown to repair an unisolable leak on #21 Steam Generator Blowdown System, secondary side.
01-22-94	0255	Unloaded Main Generator, transferred electrical auxiliaries.
	1224	Commenced RCS cooldown.
	2057	The RCS is in Mode 4.
01-23-94	1302	The RCS is in Mode 5.
01-24-94	2005	The RCS is in Mode 4 following repair to the #21 Steam Generator Blowdown line. Heatup to Mode 3 continues.
01-25-94	1542	The RCS is in Mode 3.

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PAGE: Page 2 of 2

MONTHLY OPERATING ACTIVITIES - JANUARY 1994

01-26-94	0211	The RCS is at no-load rated pressure and temperature.
	1020	Commenced reactor startup, entered Mode 2.
	1056	The reactor is critical.
	1606	The main turbine tripped at approximately 1330 rpm during turbine startup.
	1700	Commence reactor power decrease to 3% RTP.
	1717	The reactor is in Mode 2.
	2314	Following trouble shooting activities on the main turbine, reactor power increase to 8% RTP is commenced.
	2334	The reactor is in Mode 1.
	2355	Reactor power is stabilized at 7.7% RTP.
01-27-94	0536	The Main Turbine Generator is paralleled to the grid.
	0537	Commenced reactor power increase.
	1300	Reactor power stabilized at 32% RTP for required chemistry hold.
	1912	Commenced reactor power increase.
01-28-94	0529	Reactor power stabilized at 75% RTP.