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RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Dec 1993 for DC Cook Nuclear  
Plant, Unit 1. W/940107 ltr.

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TITLE: Monthly Operating Report (per Tech Specs)

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



January 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 1 Technical Specification 6.9.1.10, the attached Monthly  
Operating Report for the month of December 1993 is submitted.

Respectfully,

A.A. Blind  
Plant Manager

Attachment

c: ~~INRC Region 411~~  
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# N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-315

DATE 03/Jan/94

COMPLETED BY DG TURNER

TELEPHONE 616-465-5901

## OPERATING STATUS

1. Unit Name D. C. Cook Unit 1
2. Reporting Period DEC 93
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	8760.0	166560.0
12. No. of Hrs. Reactor Was Critical	744.0	8760.0	125654.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	744.0	8760.0	123608.6
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	2396807	28083452	363525775
17. Gross Elect. Energy Gen. (MWH)	779730	9079300	118022660
18. Net Elect. Energy Gen. (MWH)	752912	8759433	113521798
19. Unit Service Factor	100.0	100.0	75.2
20. Unit Availability Factor	100.0	100.0	75.2
21. Unit Capacity Factor (MDC Net)	101.2	100.0	67.9
22. Unit Capacity Factor (DER Net)	99.2	98.0	66.1
23. Unit Forced Outage Rate	0.0	0.0	6.0

24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration):

Refueling Outage to begin February 12, 1994, for an estimated duration of 70 days.

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  
03/Jan/94 03/Jan/94  
DG TURNER DG TURNER  
TELEPHONE 616-465-5901

DEC 93

DEC 93

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
12/01/93	1013	12/17/93	1017
12/02/93	1015	12/18/93	1020
12/03/93	1021	12/19/93	1017
12/04/93	1021	12/20/93	1024
12/05/93	1020	12/21/93	1017
12/06/93	1026	12/22/93	1018
12/07/93	1026	12/23/93	1017
12/08/93	1019	12/24/93	1022
12/09/93	1022	12/25/93	1021
12/10/93	1021	12/26/93	1020
12/11/93	1020	12/27/93	1023
12/12/93	1018	12/28/93	1007
12/13/93	1021	12/29/93	988
12/14/93	1020	12/30/93	948
12/15/93	1021	12/31/93	892
12/16/93	1020		

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: DECEMBER 1993

UNIT NAME: D. C. COOK UNIT 1  
DATE: Jan 9, 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
None									
There were no unit shutdown or significant power reductions from 100% RTP this 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 1061)	<sup>5</sup> Exhibit I: Same Source
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DOCKET NO.: 50-315  
UNIT NAME: D.C. Cook Unit 1  
COMPLETED BY: R. D. Reynnells  
TELEPHONE: (616) 465-5901  
DATE: Jan 9, 1994  
PAGE: Page 1 of 1

MONTHLY OPERATING ACTIVITIES - DECEMBER 1993

HIGHLIGHTS

The unit entered the reporting period in Mode 1 at 100% RTP.

The unit exited this reporting period in Mode 1 at 89% RTP.

The unit commenced reactor power reduction at 0700 December 28 in accordance with the end of core power coast down plan developed by the Reactor Engineering Section.

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

Gross Electrical generation for the month of December was 779730 MWH.

DETAILS

12-28-93	0700	Commenced reactor power coast down in accordance with the end of core power coast down plan.
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DOCKET NO: 50-315  
UNIT NAME: D.C. Cook Unit 1  
COMPLETED BY: M. E. Russo  
TELEPHONE: (616) 465-5901  
DATE: January 7, 1994  
PAGE: 1 of 1

MAJOR SAFETY-RELATED MAINTENANCE - December 1993

No major safety-related maintenance items are included for the month of December.