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 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Dec 1992 for Donald C Cook
 Nuclear Plant, unit 2.W/930108 ltr.

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Power Company
Cook Nuclear Plant
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Bridgman, MI 49106
616 465 5901



INDIANA
MICHIGAN
POWER

January 8, 1993

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 December 1992 is submitted.

Respectfully,

A.A. Blind
Plant Manager

Attachment

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N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-316
DATE 08-Jan-93
COMPLETED BY DG Turner
TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 2
2. Reporting Period December 92
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) 1090
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	8785.0	131497.0
12. No. of Hrs. Reactor Was Critical	744.0	3169.4	86357.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	300.7	1716.3	83316.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	862331	4893139	257587772
17. Gross Elect. Energy Gen. (MWH)	256060	1485880	83754030
18. Net Elect. Energy Gen. (MWH)	245846	1427300	80672172
19. Unit Service Factor	40.4	19.5	64.5
20. Unit Availability Factor	40.4	19.5	64.5
21. Unit Capacity Factor (MDC Net)	30.3	14.9	58.8
22. Unit Capacity Factor (DER Net)	30.3	15.0	57.3
23. Unit Forced Outage Rate	59.6	69.7	16.4
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. 50-316
UNIT TWO
DATE 08-Jan-93
COMPLETED BY DG Turner
TELEPHONE 616-465-5901

MONTH December 92

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	0	17	0
2	0	18	0
3	0	19	3
4	0	20	217
5	0	21	409
6	0	22	426
7	0	23	677
8	0	24	949
9	0	25	1062
10	0	26	1068
11	0	27	1080
12	0	28	1106
13	0	29	1079
14	0	30	1083
15	0	31	1084
16	0		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: DECEMBER 1992

UNIT NAME: D. C. COOK UNIT 2
 DATE: January 5, 1993
 COMPLETED BY: G. J. Costello
 TELEPHONE: (616) 465-5901

NO.	DATE	TYPE ¹	DURATION HOURS	REASON ²	METHOD OF SHUTTING DOWN REACTOR ³	LICENSEE EVENT REPORT NO.	SYSTEM CODE ⁴	COMPONENT CODE ⁵	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
225 Cont'd	920908	F	29.5	B	1	N/A	N/A	N/A	Following the installation of the main generator rotor, unit 2 entered this reporting period with the reactor at 8% RTP in support of turbine roll and main turbine generator vibration testing.
226	921202	F	413.8	B	1	N/A	N/A	N/A	Following the parallel of the main generator to the grid on 921202 at 0527, the generator was removed from the grid at 0910 due to high turbine generator vibration. Following generator bearing clearance adjustments and generator hydrogen seal modifications, the generator was paralleled to the grid on 921219 at 1500 and reactor power was increased to 100% RTP per the power ascension testing program.

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 1061)	Exhibit I: Same Source

DOCKET NO.: 50-316
UNIT NAME: D.C. Cook Unit 2
COMPLETED BY: G. J. Costello
TELEPHONE: (616) 465-5901
DATE: January 5, 1993
PAGE: Page 1 of 2

MONTHLY OPERATING ACTIVITIES - DECEMBER 1992

HIGHLIGHTS

The unit entered the reporting period in Mode 1 with the reactor at 8% RTP conducting turbine generator vibration testing. The turbine generator was paralleled to the grid on December 2, 1992 at 0527 followed by the removal of the turbine generator from the grid at 0910 due to high vibrations.

Following generator bearing clearance adjustments and generator hydrogen seal modifications, the turbine generator was paralleled to the grid on December 19, 1992 at 1500 followed by reactor power increase to 100% per the power ascension testing program. The reactor was at 100% RTP on December 26, 1992 at 2054.

The unit exited this reporting period in Mode 1 at 100% RTP.

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

Gross Electrical generation for the month of December was 256060 MWH.

DETAILS

12-2-92	0527	Turbine Generator paralleled to the grid.
12-2-92	0910	Turbine Generator removed from the grid.
12-6-92	1300	Commenced reactor power decrease.
	1342	The reactor is in Mode 2.
12-8-92	1532	Commence reactor power increase.
	1545	The reactor is in Mode 1.

Between December 8th and 19th the reactor was maneuvered between Mode 1 and Mode 2 to support main turbine vibration evaluation and balancing efforts.

DOCKET NO.: 50-316
UNIT NAME: D.C. Cook Unit 2
COMPLETED BY: G. J. Costello
TELEPHONE: (616) 465-5901
DATE: January 5, 1993
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MONTHLY OPERATING ACTIVITIES - DECEMBER 1992

12-19-92	0212	Stabilized reactor power at 8% RTP.
	1500	Turbine generator paralleled to the grid.
	2112	Commenced reactor power increase.
12-20-92	0920	Stabilized reactor power at 28% RTP.
	1341	Commenced reactor power increase.
12-21-92	0743	Stabilized reactor power at 48% RTP for flux mapping.
12-22-92	1930	Commenced reactor power increase.
12-23-92	0445	Stabilized reactor power at 62% RTP to place the reheaters in service.
	0630	Commenced reactor power increase.
12-24-92	0035	Stabilized reactor power at 88% RTP.
	1205	Commenced reactor power increase.
	1559	Stabilized reactor power at 90% RTP for flux mapping.
	2029	Commenced reactor power increase to 97% RTP.
	2344	Stabilized reactor power at 97% RTP.
12-26-92	2015	Commenced reactor power increase.
	2054	Reactor power at 100% RTP.

DOCKET NO: 50-316
UNIT NAME: D.C. Cook Unit 2
COMPLETED BY: E.C. Schimmel
TELEPHONE: (616) 465-5901
DATE: January 8, 1992
PAGE: 1 of 1

MAJOR SAFETY-RELATED MAINTENANCE - December 1992

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