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 FACIL: 50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana M 05000316
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 MINOR, J.W. American Electric Power Co., Inc.
 CENTER, J.F. American Electric Power Co., Inc.
 SAMPSON, J.R. American Electric Power Co., Inc.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for May 1997 for DC Cook Nuclear
 Plant Unit 2.W/970604 ltr.

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Power Company
Cook Nuclear Plant
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Bridgman, MI 49106



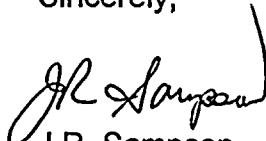
U.S. Nuclear Regulatory Commission
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June 4, 1997

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 May 1997 is submitted.

Sincerely,


J.R. Sampson
Plant Manager

/jc

Attachment

c: NRC Region III
D.R. Hahn
R.C. Callen
S. Hamming
B. Lewis
INPO Records Center
ANI Nuclear Engineering Department
E.E. Fitzpatrick
A.A. Blind
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N.R.C. OPERATING DATA REPORT

DOCKET NO.	50 - 316
DATE	June 4, 1997
COMPLETED BY	JW Minor
TELEPHONE	616-465-5901

OPERATING STATUS

1. Unit Name	D. C. Cook Unit 2
2. Reporting Period	May-97
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

Notes:

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:

	This Month	Year-to-Date	Cumulative
11. Hours in Reporting Period	744.0	3624.0	170184.0
12. No. of Hrs. Reactor Was Critical	604.9	3359.1	119371.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	588.3	3305.8	115753.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Gen. (MWH)	1934389.0	10672519.9	357850786.9
17. Gross Electrical Energy Gen. (MWH)	631040.0	3509340.0	116013730.0
18. Net Electrical Energy Gen. (MWH)	609805.0	3391209.0	111773775.0
19. Unit Service Factor	79.1	91.2	69.0
20. Unit Availability Factor	79.1	91.2	69.0
21. Unit Capacity Factor (MDC Net)	77.3	88.3	62.8
22. Unit Capacity Factor (DER Net)	75.2	85.9	61.1
23. Unit Forced Outage Rate	20.9	8.8	14.0

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

Refueling outage to begin September 26, 1997 for an estimated duration of 48 days

25. If Shut Down At End of Report Period, Estimated Date of Startup:

26. Units in Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY
INITIAL ELECTRICITY
COMMERCIAL OPERATION

Forecast

Achieved

DOCKET NO.
UNIT NAME
DATE
COMPLETED BY
TELEPHONE

50 - 316
D.C. Cook Unit 2
June 4, 1997
JW Minor
616-465-5901

AVERAGE DAILY POWER LEVEL (MWe-Net)

MAY 1997

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
5/1/97	1089	5/17/97	1086
5/2/97	1086	5/18/97	1083
5/3/97	1083	5/19/97	1082
5/4/97	1086	5/20/97	1074
5/5/97	1086	5/21/97	1079
5/6/97	1085	5/22/97	1073
5/7/97	1081	5/23/97	1076
5/8/97	909	5/24/97	1074
5/9/97	2	5/25/97	1075
5/10/97	0	5/26/97	1079
5/11/97	0	5/27/97	1079
5/12/97	0	5/28/97	1083
5/13/97	0	5/29/97	1077
5/14/97	0	5/30/97	1075
5/15/97	109	5/31/97	1075
5/16/97	625		

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D.C. Cook Unit 2
June 4, 1997
JF Center
616-697-5098
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MONTHLY OPERATING ACTIVITIES - MAY 1997

HIGHLIGHTS

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

The Main Turbine was removed from the grid on May 9 and the reactor was manually tripped at 01:47 EST. The shutdown was to repairs to the AB Emergency Diesel Generator (EDG). The maintenance items were completed and the unit returned to service May 15 at 13:08 EST.

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 May was 631040 MWh.

DETAILS*

05/08/97	1409	Commenced a power reduction to facilitate a required reactor shutdown due to an inoperable EDG.
05/09/97	0123	Manually tripped the Main Turbine.
	0147	Entered Reactor Mode 3.
	1828	Entered Reactor Mode 4.
05/10/97	0502	Entered Reactor Mode 5.
05/13/97	0414	Entered Reactor Mode 4.
	1645	Entered Reactor Mode 3.
05/14/97	1954	Entered Reactor Mode 2.
	2053	The Reactor is critical.
05/15/97	0238	Entered Mode 1.
	1308	Main Turbine Generator paralleled to the grid.
	1700	Reactor power stabilized at 30% RTP.
	2325	Reactor power stabilized at 49% RTP.
05/16/97	2312	Reactor power stabilized at 100% RTP.

* All time entries above are Eastern Standard Time (EST).

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TELEPHONE	616-697-5098
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UNIT SHUTDOWNS AND POWER REDUCTIONS - MAY 1997

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
257	050997	F	155.7	B	2	316/97-002-00	N/A	N/A	A planned maintenance outage on the AB Emergency Diesel Generator (EDG) resulted in a Technical Specification required shutdown of the Unit. The shutdown was to prevent exceeding the 72 hour LCO limit for EDG inoperability. Manual Voltage Regulator Circuit repairs were performed and the Unit was paralleled to the Grid at 13:08 EST on 5/15..

1 TYPE:
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 SYSTEM:
Exhibit G - Instructions
for preparation of data
entry sheets for Licensee
Event Report (LER) File
(NUREG 0161)

5 COMPONENT:
Exhibit I: Same Source

