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 SAMPSON, J.R. American Electric Power Co., Inc.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Jul 1997 for DC Cook Nuclear Plant, Unit 2.W/970807 ltr.

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Indiana Michigan
Power Company
Cook Nuclear Plant
One Cook Place
Bridgman, MI 49106



U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

August 7, 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 July 1997 is submitted.

Sincerely,

RK Gillespie, for

J.R. Sampson
Plant Manager

/jc

Attachment

c: NRC Region III
D.R. Hahn
R.C. Callen
S. Hamming
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DOCKET NO. 50 - 316
DATE August 4, 1997
COMPLETED BY JW Minor
TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 2
2. Reporting Period Jul-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	5088.0	171648.0
12. No. of Hrs. Reactor Was Critical	744.0	4823.1	120835.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	744.0	4769.8	117217.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Gen. (MWH)	2530391.7	15652839.1	362831106.1
17. Gross Electrical Energy Gen. (MWH)	796170.0	5087500.0	117591890.0
18. Net Electrical Energy Gen. (MWH)	769267.0	4916445.0	113299011.0
19. Unit Service Factor	100.0	93.7	69.3
20. Unit Availability Factor	100.0	93.7	69.3
21. Unit Capacity Factor (MDC Net)	97.5	91.2	63.1
22. Unit Capacity Factor (DER Net)	94.9	88.7	61.4
23. Unit Forced Outage Rate	0.0	6.3	13.9

24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration):
Refueling outage to begin September 26, 1997 for an estimated duration of 40 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		

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

JULY 1997

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
7/1/97	1029	7/17/97	1017
7/2/97	1032	7/18/97	1008
7/3/97	1025	7/19/97	979
7/4/97	1029	7/20/97	1023
7/5/97	1034	7/21/97	1023
7/6/97	1032	7/22/97	1041
7/7/97	1040	7/23/97	1061
7/8/97	1042	7/24/97	1065
7/9/97	1051	7/25/97	1053
7/10/97	1050	7/26/97	1031
7/11/97	1037	7/27/97	1022
7/12/97	1036	7/28/97	1024
7/13/97	1032	7/29/97	1055
7/14/97	1027	7/30/97	1066
7/15/97	1023	7/31/97	1050
7/16/97	1019		

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DOCKET NO.
UNIT NAME
DATE
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TELEPHONE
PAGE

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D.C. Cook Unit 2
August 5, 1997
JF Center
616-697-5098
1 of 1

MONTHLY OPERATING ACTIVITIES - JULY 1997

HIGHLIGHTS

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

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 July was 796170 MWh.

DETAILS:

07-18-97	1910	Commenced Reactor power reduction to conduct Moderator Temperature Coefficient testing.
07-19-97	0010	Reactor power stablized at 95% RTP.
	1457	Moderator Temperature Coefficient testing complete. Commenced Reactor power ascension.
	1615	Power stablized at 100% RTP.

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

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UNIT NAME	D.C. Cook Unit 2
DATE	August 5, 1997
COMPLETED BY	JF Center
TELEPHONE	616-697-5098
PAGE	1 of 1

UNIT SHUTDOWNS AND POWER REDUCTIONS - JULY 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
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None

There were no unit shutdowns or significant power reductions from 100 % RTP this month.

<u>1 TYPE:</u> F: Forced S: Scheduled	<u>2 REASON:</u> 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)	<u>3 METHOD:</u> 1: Manual 2: Manual Scram 3: Automatic Scram 4: Other (Explain)	<u>4 SYSTEM:</u> Exhibit G - Instructions for preparation of data entry sheets for Licensee Event Report (LER) File (NUREG 0161)	<u>5 COMPONENT:</u> Exhibit I: Same Source
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