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

50-316

AEP
INDIANA
MICHIGAN
POWER

September 15, 1999

United States Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Document Control Manager:

Pursuant to the requirements of Donald C. Cook Nuclear Plant Unit 2 Technical Specification 6.9.1.8, the attached Monthly Operating Report for August 1999 is submitted.

Sincerely,

A. Christopher Bakken, III
Site Vice President

ACB/bwo

Attachment

c: NRC Region III
NRC Project Manager – NRR
NRC Resident Inspector
ANI Nuclear Engineering Department
INPO Records Center

R. C. Godley
G. T. Gaffney – Canton
D. R. Hahn – Department of Health
S. Hamming – Department of Labor
G. John
B. Lewis – McGraw-Hill Companies
D. H. Malin
T. P. Noonan
D. W. Paul – Lancaster
J. E. Pollock
R. P. Powers
Regulatory Licensing Manager
M. W. Rencheck
W. H. Schalk
D. G. Turner

1/1

IE24,

MR

220031

9909210297

N.R.C. OPERATING DATA REPORT

DOCKET NO.	50 - 316
DATE	September 1, 1999
COMPLETED BY	M. M. Pratt
TELEPHONE	616-465-5901

Notes:

OPERATING STATUS

1. Unit Name	D. C. Cook Unit 2
2. Reporting Period	Aug-99
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: _____

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	5832.0	190362.0
12. No. of Hrs. Reactor Was Critical	0.0	0.0	121771.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	0.0	0.0	118153.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Gen. (MWH)	0.0	0.0	366007650.4
17. Gross Electrical Energy Gen. (MWH)	0.0	0.0	118584640.0
18. Net Electrical Energy Gen. (MWH)	0.0	0.0	114257779.0
19. Unit Service Factor	0.0	0.0	62.8
20. Unit Availability Factor	0.0	0.0	62.8
21. Unit Capacity Factor (MDC Net)	0.0	0.0	57.2
22. Unit Capacity Factor (DER Net)	0.0	0.0	55.7
23. Unit Forced Outage Rate	100.0	100.0	22.5

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: _____
April 2000

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

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

DOCKET NO.	50 - 316
UNIT NAME	D.C. Cook Unit 2
DATE	September 1, 1999
COMPLETED BY	M. M. Pratt
TELEPHONE	616-465-5901

AVERAGE DAILY POWER LEVEL (MWe-Net)

August 1999

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
8/1/99	0	8/17/99	0
8/2/99	0	8/18/99	0
8/3/99	0	8/19/99	0
8/4/99	0	8/20/99	0
8/5/99	0	8/21/99	0
8/6/99	0	8/22/99	0
8/7/99	0	8/23/99	0
8/8/99	0	8/24/99	0
8/9/99	0	8/25/99	0
8/10/99	0	8/26/99	0
8/11/99	0	8/27/99	0
8/12/99	0	8/28/99	0
8/13/99	0	8/29/99	0
8/14/99	0	8/30/99	0
8/15/99	0	8/31/99	0
8/16/99	0		

DOCKET NO.	50 - 316
UNIT NAME	D.C. Cook Unit 2
DATE	September 4, 1999
COMPLETED BY	S. A. Richardson
TELEPHONE	616-465-5901
PAGE	1 of 1

MONTHLY OPERATING ACTIVITIES - August 1999

HIGHLIGHTS

The unit entered this reporting period with the core offloaded.

The unit exited this reporting period with the core offloaded.

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

Gross electrical generation for the month of August was 0 MWh.

DETAILS*

08/01/99	At 0900 hours Train B Emergency Diesel Generator is declared operable for Modes 5 and 6. Inadequacy of design on combustion air intake, combustion exhaust, ventilation intake and exhaust structures in relation to tornado generated missiles has been addressed. Compensatory measures have been placed into effect via administrative controls. Train A diesel generator remains inoperable pending resolution of governor control problems and load rejection testing.
08/10/99	At 0004 hours Train A Emergency Diesel Generator is declared operable as governor control problems are resolved and all surveillance testing associated with it is completed satisfactorily.
08/10/99	At 0900 hours Train B Emergency Diesel Generator is declared inoperable to allow 18 month frequency planned maintenance work packages.
08/10/99	At 1545 hours Train B AC electrical busses are declared inoperable to allow planned maintenance on electrical switchgear and bus work.
08/29/99	At 0530 hours Train A Emergency Diesel Generator is declared inoperable for Modes 5 and 6. The meteorological monitoring system (MIDAS) is not available in the Unit 1 Control Room hence the ability to anticipate tornado winds is diminished. Per administrative controls associated with design deficiencies on diesel air intake and exhaust structures the diesel must be declared inoperable and fuel movement suspended.
08/29/99	At 0730 hours Train A Emergency Diesel Generator is declared operable for Modes 5 and 6. The meteorological monitoring system (MIDAS) is made available in the Unit 1 Control Room hence the ability to anticipate tornado winds is restored.

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

DOCKET NO.	50 - 316
UNIT NAME	D.C. Cook Unit 2
DATE	September 4, 1999
COMPLETED BY	S. A. Richardson
TELEPHONE	616-465-5901
PAGE	1 of 1

UNIT SHUTDOWNS AND POWER REDUCTIONS – August 1999

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
333	090897	F	162.0	F	2	97-003 97-004 97-005	N/A	N/A	The unit was shutdown to resolve design basis questions discovered during the NRC Architect and Engineering (AE) Inspection.
334	101397	S	582.0	C	4	N/A	N/A	N/A	The scheduled refueling outage commenced while the unit has been shutdown to resolve design basis questions discovered during the NRC AE Inspection.
335	010798	F	744.0	F	4	N/A	N/A	N/A	The unit remained shutdown to resolve design basis questions identified during the NRC Architect and Engineering (AE) Inspection.

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

CATEGORY 1

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FACIL:50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana M 05000316
AUTH.NAME AUTHOR AFFILIATION
PRATT,M.M. Indiana Michigan Power Co.
RICHARDSON,S.A. Indiana Michigan Power Co.
BAKKEN,A.C. Indiana Michigan Power Co.
RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Aug 1999 for Cook Nuclear Plant, Unit 2.With 990915 ltr.

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EXTERNAL:	LMITCO MARSHALL	1	1	NOAC	1	1
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COMPLETED BY	M. M. Pratt
TELEPHONE	616-465-5901

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April 2000

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8/2/99	0	8/18/99	0
8/3/99	0	8/19/99	0
8/4/99	0	8/20/99	0
8/5/99	0	8/21/99	0
8/6/99	0	8/22/99	0
8/7/99	0	8/23/99	0
8/8/99	0	8/24/99	0
8/9/99	0	8/25/99	0
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DETAILS*

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08/10/99	At 0004 hours Train A Emergency Diesel Generator is declared operable as governor control problems are resolved and all surveillance testing associated with it is completed satisfactorily.
08/10/99	At 0900 hours Train B Emergency Diesel Generator is declared inoperable to allow 18 month frequency planned maintenance work packages.
08/10/99	At 1545 hours Train B AC electrical busses are declared inoperable to allow planned maintenance on electrical switchgear and bus work.
08/29/99	At 0530 hours Train A Emergency Diesel Generator is declared inoperable for Modes 5 and 6. The meteorological monitoring system (MIDAS) is not available in the Unit 1 Control Room hence the ability to anticipate tornado winds is diminished. Per administrative controls associated with design deficiencies on diesel air intake and exhaust structures the diesel must be declared inoperable and fuel movement suspended.
08/29/99	At 0730 hours Train A Emergency Diesel Generator is declared operable for Modes 5 and 6. The meteorological monitoring system (MIDAS) is made available in the Unit 1 Control Room hence the ability to anticipate tornado winds is restored.

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