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 GILLETT, W.T. Indiana Michigan Power Co. (formerly Indiana & Michigan Ele
 BLIND, A.A. Indiana Michigan Power Co. (formerly Indiana & Michigan Ele
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Sept 1990 for DC Cook Nuclear
 Plant Unit 1. W/901004 ltr.

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 TITLE: Monthly Operating Report (per Tech Specs)

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



October 4, 1990

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 September 1990 is submitted.

Respectfully,

A.A. Blind
Plant Manager

Attachment

c: B.A. Svensson
NRC Region III
D.R. Hahn
EPRI - Nuclear Safety Analysis Center
R.C. Callen
S.L. Hall
J.G. Keppler
INPO Records Center
ANI Nuclear Engineering Department
D.H. Williams, Jr.
M.P. Alexich
J.F. Kurgan
J.J. Markowsky
D.A. Timberlake
D.W. Paul
T.O. Argenta
S.H. Steinhart
J.A. Isom
W.T. Gillett
E.A. Smarrella
J.C. Krieger
E.C. Schimmel

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N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-315
 DATE 01-Oct-90
 COMPLETED BY WT GILLET
 TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 1
 2. Reporting Period SEP 90
 3. Licensed Thermal Power (MWt) 3250
 4. Name Plate Rating (Gross MWe) 1152
 5. Design Electrical Rating (Net MWe) 1030
 6. Maximum Dependable Capacity (GROSS MWe) 1056
 7. Maximum Dependable Capacity (Net MWe) 1020
 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	720.0	6551.0	138047.0
12. No. of Hrs. Reactor Was Critical	720.0	6488.2	102930.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	720.0	6483.3	101172.3
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	2220013	19398984	294287003
17. Gross Elect. Energy Gen. (MWH)	691940	6200460	95772690
18. Net Elect. Energy Gen. (MWH)	664699	5959834	92091662
19. Unit Service Factor	100.0	99.0	74.4
20. Unit Availability Factor	100.0	99.0	74.4
21. Unit Capacity Factor (MDC Net)	90.5	89.2	66.4
22. Unit Capacity Factor (DER Net)	89.6	88.3	64.5
23. Unit Forced Outage Rate	0.0	0.0	7.1
24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration): Refueling outage to begin October 20, 1990 for an estimated duration of 85 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
 DATE 02-Oct-90
 COMPLETED BY WT GILLET
 TELEPHONE 616-465-5901

MONTH SEP 90

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	973	17	971
2	973	18	969
3	979	19	982
4	977	20	975
5	972	21	978
6	972	22	974
7	969	23	990
8	426	24	993
9	421	25	986
10	751	26	948
11	980	27	949
12	976	28	933
13	972	29	910
14	961	30	887
15	977		
16	976		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: September 1990

DOCKET NO: 50-315
UNIT NAME: D.C. COOK UNIT 1
DATE: October 6, 1990
COMPLETED BY: E.C. Schimmel
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
289	900908	F	43.0	A	N/A	N/A	CD	VALVEX	Unit power was reduced to 42% starting at 0225 hours 900908 due to a steam generator stop valve which began drifting closed during routine surveillance testing. The valve was repaired and unit power was restored to 100% at 2125 hours 900910.

1

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

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

5

Exhibit I: Same Source

DOCKET NO: 50-315
UNIT NAME: D.C. Cook Unit 1
COMPLETED BY: E.C. Schimmel
TELEPHONE: (616) 465-5901
DATE: October 4, 1990
PAGE: 1 of 2

MONTHLY OPERATING ACTIVITIES - September 1990

HIGHLIGHTS

The unit entered the reporting period at 100% Rated Thermal Power. Unit power was reduced to 42% Rated Thermal Power beginning 0225 hours on September 8 1990, when the #14 steam generator main steam stop valve started drifting closed during routine surveillance testing. The stop valve was repaired and unit power was returned to 100% Rated Thermal Power at 2125 hours on September 10, 1990.

Gross electrical generation for the month of September was 691940 MWH.

DETAILS

09/08/90	0215	Steam generator #14 main steam stop valve begins drifting closed after coming off its open detent during surveillance testing.
	0225	Commenced unit power reduction due to steam generator stop valve drifting closed.
	0530	Unit is at 42% RTP.
	1300	Steam generator #14 main steam stop valve is repaired. Commenced unit power increase to 100% RTP.
09/10/90	2125	Unit is at 100% RTP.

DOCKET NO: 50-315
UNIT NAME: D.C. Cook Unit 1
COMPLETED BY: E.C. Schimmel
TELEPHONE: (616) 465-5901
DATE: October 4, 1990
PAGE: 1 of 1

MAJOR SAFETY-RELATED MAINTENANCE - September 1990

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