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 AUTH. NAME AUTHOR AFFILIATION
 GILLET, 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 May 1990 for DC Cook Nuclear
 Power Plant Unit 2.W/900604 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



June 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 2 Technical Specification 6.9.1.10, the attached Monthly
Operating Report for the month of May 1990 is submitted.

Respectfully,

A handwritten signature in cursive script, appearing to read 'A. Blind'.

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
INPO Records Center
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J.C. Krieger
E.C. Schimmel

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11

N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-316

DATE 01-Jun-90

COMPLETED BY WT GILLET

TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 2
2. Reporting Period MAY, 90
3. Licensed Thermal Power (MWt) 3411
4. Name Plate Rating (Gross MWe) 1133
5. Design Electrical Rating (Net MWe) 1100
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 _____

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	3623.0	108815.0
12. No. of Hrs. Reactor Was Critical	744.0	3158.2	73334.2
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	744.0	3146.6	71876.1
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	2165049	10295710	221173600
17. Gross Elect. Energy Gen. (MWH)	696910	3392700	72188810
18. Net Elect. Energy Gen. (MWH)	669740	3277544	69523202
19. Unit Service Factor	100.0	86.9	67.5
20. Unit Availability Factor	100.0	86.9	67.5
21. Unit Capacity Factor (MDC Net)	84.9	85.3	61.6
22. Unit Capacity Factor (DER Net)	81.8	82.2	60.0
23. Unit Forced Outage Rate	0.0	10.0	13.6
24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration):			
Refueling outage to begin June 30, 1990 for an estimated duration of 75 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. 50-316
 UNIT TWO
 DATE 01-Jun-90
 COMPLETED BY WT GILLET
 TELEPHONE 616-465-5901

MONTH MAY, 90

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	1071	17	954
2	895	18	1081
3	899	19	1072
4	901	20	922
5	844	21	900
6	813	22	906
7	816	23	901
8	893	24	900
9	901	25	903
10	906	26	902
11	899	27	904
12	907	28	903
13	913	29	905
14	873	30	902
15	770	31	899
16	650		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: May 1990

DOCKET NO: 50-316
UNIT NAME: D.C. COOK UNIT 2
DATE: June 4, 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
206	9005501	S	O	F	4	N/A	XX	XXXXXX	Unit power was reduced to 85% starting 2304 hours on 900501 for fuel cycle extension until the beginning of the scheduled refueling outage.
207	900515	F	O	A	4	N/A	HH	PIPEXX	Unit power was reduced to 55% starting 1155 hours on 900515 to permit removal of the "W" main feedpump turbine from service for weld repair of an instrument piping connection. Repairs were completed and unit power was returned to 85% at 2355 on 900516. Reactor power is being maintained at 85% RTP for fuel cycle extension.

1	2	3	4	5
F: Forced	Reason:	Method:	Exhibit G - Instructions	Exhibit I: Same Source
S: Scheduled	A: Equipment Failure (Explain)	1: Manual	for preparation of data	
	B: Maintenance or Test	2: Manual Scram	entry sheets for Licensee	
	C: Refueling	3: Automatic Scram	Event Report (LER) File	
	D: Regulatory Restriction	4: Other (Explain)	(NUREG 0161)	
	E: Operator Training and License Examination			
	F: Administrative			
	G: Operational Error (Explain)			
	H: Other (Explain)			

DOCKET NO: 50-316
UNIT NAME: D.C. Cook Unit 2
COMPLETED BY: E.C. Schimmel
TELEPHONE: (616) 465-5901
DATE: June 4, 1990
PAGE: 1 of 1

MONTHLY OPERATING ACTIVITIES - June 1990

HIGHLIGHTS

The unit entered the reporting period at 100% Rated Thermal Power. On May 1, 1990, at 2304 hours, a power reduction to 85% Rated Thermal Power was initiated for fuel cycle extension to the scheduled beginning of the refueling outage. A power reduction was required from 0852 hours on May 5, 1990, to 0350 hours on May 8, 1990, to facilitate repairs on the middle heater drain pump. A power reduction was required from 1155 hours on May 15, 1990, to 2355 hours on May 16, 1990, for repairs on the west feedpump turbine piping. Unit power was increased to 100% Rated Thermal Power from 1605 hours on May 17, 1990, to 0640 hours on May 20, 1990, to meet system load demand. The unit exited the reporting period at 85% Rated Thermal Power.

Gross electrical generation for the month of May was 696910 MWH.

DETAILS

05/01/90	2304	Commenced unit power reduction to 85% RTP.
05/02/90	0424	Unit is at 85% RTP for cycle extension.
05/05/90	0852	Commenced unit power reduction to 80% RTP.
	1025	Unit is at 80% RTP to allow repairs on the middle heater drain pump.
05/08/90	0236	Commenced unit power increase to 85% RTP.
	0350	Unit is at 85% RTP.
05/15/90	1155	Commenced unit power decrease to 55% RTP.
	1511	Unit is at 55% RTP to allow repairs on the west feedpump turbine piping.
05/16/90	1217	Commenced unit power increase to 85% RTP.
	2355	Unit is at 85% RTP.
05/17/90	1605	Commenced unit power increase to 100% RTP.
	2335	Unit is at 100% RTP to meet system load demand.
05/19/90	2015	Commenced unit power reduction to 85% RTP.
05/20/90	0640	Unit is at 85% RTP for cycle extension

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UNIT NAME: D.C. Cook Unit 2
COMPLETED BY: E.C. Schimmel
TELEPHONE: (616) 465-5901
DATE: June 4, 1990
PAGE: 1 of 1

MAJOR SAFETY-RELATED MAINTENANCE - May 1990

- 2-IC-1 Replaced defective bistable 2TB-411, overtemp delta T, turbine runback and block rod withdrawal.
- 2-M-1 Rebuilt the AB train emergency diesel generator fuel oil transfer pump 2-QT-106-AB1.