

CATEGORY 1

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9704160011 DOC. DATE: 97/03/31 NOTARIZED: NO DOCKET #
 FACIL: 50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana M 05000316
 AUTH. NAME AUTHOR AFFILIATION
 MINOR, J.W. American Electric Power Co., Inc.
 RUSSO, M.E. American Electric Power Co., Inc.
 SAMPSON, J.R. American Electric Power Co., Inc.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Mar 1997 for DC Cook Nuclear
 Plant Unit 2.W/970402 ltr.

DISTRIBUTION CODE: IE24D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 5
 TITLE: Monthly Operating Report (per Tech Specs)

NOTES:

	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
	PD3-3 PD	1 1	HICKMAN, J	1 1
INTERNAL:	AEOD/SPD/RRAB	1 1	<u>FILE CENTER</u> 01	1 1
	NRR/DRPM/PECB	1 1	OC/DBA/PAD	1 1
	RGN3	1 1		
EXTERNAL:	LITCO BRYCE, J H	1 1	NOAC	1 1
	NRC PDR	1 1		

C
A
T
E
G
O
R
Y

1

D
O
C
U
M
E
N
T

NOTE TO ALL "RIDS" RECIPIENTS:
 PLEASE HELP US TO REDUCE WASTE. TO HAVE YOUR NAME OR ORGANIZATION REMOVED FROM DISTRIBUTION LISTS
 OR REDUCE THE NUMBER OF COPIES RECEIVED BY YOU OR YOUR ORGANIZATION, CONTACT THE DOCUMENT CONTROL
 DESK (DCD) ON EXTENSION 415-2083

TOTAL NUMBER OF COPIES REQUIRED: LTTR 10 ENCL 10

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

April 2, 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 March 1997 is submitted.

Sincerely,

J.R. Sampson
Plant Manager

/mr

Attachment

c: NRC Region III
D.R. Hahn
R.C. Callen
S. Hamming
INPO Records Center
ANI Nuclear Engineering Department
E.E. Fitzpatrick
A.A. Blind
P.A. Barrett
S.J. Brewer
D.W. Paul
J.A. Kobyra
D.L. Noble
W.H. Schalk
D.G. Turner
B.L. Bartlett
M.E. Russo

150152

9704160011 970331
PDR ADOCK 05000316
R PDR



11
Iez4

N.R.C. OPERATING DATA REPORT

DOCKET NO.	50 - 316
DATE	Apr. 2, 1997
COMPLETED BY	JW Minor
TELEPHONE	616-465-5901

OPERATING STATUS

1. Unit Name	D. C. Cook Unit 2
2. Reporting Period	Mar-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	2160.0	168720.0
12. No. of Hrs. Reactor Was Critical	618.2	2034.2	118046.1
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	581.5	1997.5	114445.1
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Gen. (MWH)	1920938.8	6286729.8	353464996.8
17. Gross Electrical Energy Gen. (MWH)	636280.0	2068560.0	114572950.0
18. Net Electrical Energy Gen. (MWH)	615140.0	1997872.0	110380438.0
19. Unit Service Factor	78.2	92.5	68.8
20. Unit Availability Factor	78.2	92.5	68.8
21. Unit Capacity Factor (MDC Net)	78.0	87.3	62.5
22. Unit Capacity Factor (DER Net)	75.9	84.9	60.9
23. Unit Forced Outage Rate	21.8	7.5	14.1

24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration): _____
 Refueling outage to begin September 19, 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
Apr. 2, 1997
JW Minor
616-465-5901

AVERAGE DAILY POWER LEVEL (MWe-Net)

MARCH 1997

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
3/1/97	1093	3/17/97	0
3/2/97	1096	3/18/97	159
3/3/97	1098	3/19/97	849
3/4/97	1097	3/20/97	1088
3/5/97	1096	3/21/97	1094
3/6/97	1092	3/22/97	1096
3/7/97	1104	3/23/97	1097
3/8/97	1094	3/24/97	1099
3/9/97	1096	3/25/97	1098
3/10/97	1098	3/26/97	1098
3/11/97	500	3/27/97	1099
3/12/97	0	3/28/97	1096
3/13/97	0	3/29/97	1097
3/14/97	0	3/30/97	1095
3/15/97	0	3/31/97	1102
3/16/97	0		

DOCKET NO.	50 - 316
UNIT NAME	D.C. Cook Unit 2
DATE	Apr. 2, 1997
COMPLETED BY	ME Russo
TELEPHONE	616-697-5100
PAGE	1 of 1

MONTHLY OPERATING ACTIVITIES - MARCH 1997

HIGHLIGHTS

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

A Reactor trip occurred March 11 at 1057 as a result of a Main Feedwater regulating valve controller failure. Following the trip, elective maintenance was conducted on the Circulating Water system to replace a Circulating Water pump discharge shut-off valve. The unit was paralleled to the grid on March 17 at 1000.

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 March was 636280 MWh.

DETAILS

03-11-97	1057	Reactor trip as a result of a Main Feedwater regulating valve controller failure. Entered Reactor Mode 3.
03-16-97	1545	Commenced Reactor start-up.
	1555	Entered Reactor Mode 2.
	1650	Reactor critical.
03-18-97	0041	Entered Reactor Mode 1.
	0526	Main Turbine Generator paralleled to the grid.
	0725	Commenced Reactor power ascension.
	0933	Reactor power stabilized at 29% RTP.
	1915	Commenced Reactor power ascension.
03-19-97	1410	Reactor power stabilized at 93% RTP to return Moisture Separator Reheater to service.
	1600	Commenced Reactor power ascension.
03-20-97	0200	Reactor power stabilized at 100% RTP.

DOCKET NO.	50 - 316
UNIT NAME	D.C. Cook Unit 2
DATE	Apr. 2, 1997
COMPLETED BY	ME Russo
TELEPHONE	616-697-5100
PAGE	1 of 1

UNIT SHUTDOWNS AND POWER REDUCTIONS - MARCH 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
256	031197	F	162.5	A	3	97-001	SJ	SJ	A reactor protection actuation was received 031197 at 1057 as a result of a steam flow/ feed flow mismatch, coincident with low steam generator level in the #1 Steam Generator. A controller failure caused the feedwater regulating valve to close resulting in the trip. The unit was paralleled to the grid the 031897 at 0526 following elective Circulating Water system maintenance to replace Circulating Water pump #1 discharge shut-off valve.

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

