

# CATEGORY 1

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 AUTH. NAME      AUTHOR AFFILIATION  
 TURNER, D.G.      Indiana Michigan Power Co. (formerly Indiana & Michigan Ele  
 SAMPSON, J.R.      Indiana Michigan Power Co. (formerly Indiana & Michigan Ele  
 RECIP. NAME      RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Apr 1996 for DC Cook Nuclear  
 Plant Unit 1.W/960501 ltr.

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American Electric Power  
Cook Nuclear Plant  
One Cook Place  
Bridgman, MI 49106  
616 465 5901



May 1, 1996

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 April  
1996 is submitted.

Respectfully,

A handwritten signature in dark ink, appearing to read 'J.R. Sampson', with a long horizontal flourish extending to the right.

J.R. Sampson  
Plant Manager

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  
W.G. Smith, Jr.  
S.J. Brewer  
D.W. Paul  
S.H. Steinhart  
J.L. Leichner  
B.L. Bartlett  
D.G. Turner  
W.H. Schalk  
M.E. Russo

140139

9605140290 960430  
PDR ADCK 05000315  
R PDR

Handwritten initials in dark ink, possibly 'TR' or 'TRH', with a vertical line drawn through them.

# N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-315  
 DATE 01/May/96  
 COMPLETED BY D G Turner  
 TELEPHONE 616-465-5901

## OPERATING STATUS

1. Unit Name D. C. Cook Unit 1  
 2. Reporting Period April 1996 notes  
 3. Licensed Thermal Power (MWt) 3250  
 4. Name Plate Rating (Gross MWe) 1152  
 5. Design Electrical Rating (Net MWe) 1020  
 6. Maximum Dependable Capacity (GROSS MWe) 1056  
 7. Maximum Dependable Capacity (Net MWe) 1000  
 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 Mo.	Yr. to Date	Cumm.
11. Hours in Reporting Period	720.0	2904.0	186984.0
12. No. of Hrs. Reactor Was Critical	720.0	2882.1	140874.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	720.0	2868.0	138502.1
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	2294854	9214226	408632107
17. Gross Elect. Energy Gen. (MWH)	759340	3049120	132661490
18. Net Elect. Energy Gen. (MWH)	732533	2943287	127621386
19. Unit Service Factor	100.0	98.8	74.9
20. Unit Availability Factor	100.0	98.8	74.9
21. Unit Capacity Factor (MDC Net)	101.7	101.4	68.0
22. Unit Capacity Factor (DER Net)	99.7	99.4	66.3
23. Unit Forced Outage Rate	0.0	1.2	6.1
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: \_\_\_\_\_

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 01/May/96  
 COMPLETED BY D G Turner  
 TELEPHONE 616-465-5901

MONTH April 1996

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
96/04/01	1038	96/04/17	1039
96/04/02	1037	96/04/18	1034
96/04/03	1038	96/04/19	1030
96/04/04	1039	96/04/20	1026
96/04/05	1037	96/04/21	1027
96/04/06	1036	96/04/22	1027
96/04/07	1038	96/04/23	820
96/04/08	1038	96/04/24	697
96/04/09	1037	96/04/25	1033
96/04/10	1037	96/04/26	1037
96/04/11	1039	96/04/27	1039
96/04/12	1037	96/04/28	1038
96/04/13	1040	96/04/29	1039
96/04/14	1038	96/04/30	1035
96/04/15	1036		
96/04/16	1038		

DOCKET NO: 50-315  
UNIT NAME: D.C. Cook Unit 1  
COMPLETED BY: M.E. Russo  
TELEPHONE: 616-465-5901  
DATE: May 1, 1996  
PAGE: Page 1 of 1

MONTHLY OPERATING ACTIVITIES - APRIL 1996

HIGHLIGHTS\*

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

An Unusual Event was voluntarily declared April 14 at 0900 when both Unit 2 Emergency Diesel Generators were electively removed from service for maintenance activities. Unit 2 was in Mode 6 and the core unloaded for the duration of the event. The Unusual Event was terminated April 21 at 0820.

Reactor power was decreased to 55% RTP April 23 at 1615 for Main Feed Pump condenser waterbox cleaning following high differential pressures experienced in the Screenwash system caused by a large influx of fish (alewife). Reactor power was stabilized at 100% RTP April 25 at 1150.

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 April was 759340 MWH.

DETAILS\*

04-05-96	2000	Commenced Main Turbine control valve testing.
	2141	Completed Main Turbine control valve testing.
04-14-96	0900	Unusual Event declared due to both Unit 2 Emergency Diesel Generators being inoperable:
04-21-96	0820	Unusual Event terminated.
04-23-96	1120	Commenced Reactor power reduction to 55% RTP for Main Feed Pump condenser waterbox cleaning following high differential pressures experienced in the Screenwash system caused by a large influx of fish (alewife).
	1615	Reactor power stabilized at 55% RTP.
04-24-96	0651	Commenced Reactor power ascension.

DOCKET NO: 50-315  
UNIT NAME: D.C. Cook Unit 1  
COMPLETED BY: M.E. Russo  
TELEPHONE: 616-465-5901  
DATE: May 1, 1996  
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MONTHLY OPERATING ACTIVITIES - APRIL 1996

DETAILS (cont'd)

04-24-96	1058	Reactor power at 70% RTP.
	1644	Reactor power at 80% RTP.
04-25-96	1150	Reactor power stabilized at 100% RTP.

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





## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: APRIL 1996

DOCKET NO: 50-315  
UNIT NAME: D.C. COOK UNIT 1  
DATE: May 1, 1996  
COMPLETED BY: M.E. Russo  
TELEPHONE: 616-465-5901  
PAGE: Page 1 of 1

NO.	DATE	TYPE <sup>1</sup>	DURATION HOURS	REASON <sup>2</sup>	METHOD OF SHUTTING DOWN REACTOR <sup>3</sup>	LICENSEE EVENT REPORT NO.	SYSTEM CODE <sup>4</sup>	COMPONENT CODE <sup>5</sup>	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
325	042396	F	N/A	B	N/A	N/A	N/A	N/A	Reactor power was reduced to 55% RTP 960423 at 1120 EST. Main Feed Pump condenser cleanings were performed following high differential pressure on the traveling screens caused by a large influx of fish (alewife). Reactor power was stabilized at 100% RTP 960425 at 1150.

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