

Indiana Michigan
Power Company
500 Circle Drive
Buchanan, MI 49107 1395



November 15, 2001

C1101-01

Docket Nos. 50-315
50-316

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Mail Stop O-P1-17
Washington, DC 20555-0001

Donald C. Cook Nuclear Plant Units 1 and 2
MONTHLY OPERATING REPORT

Pursuant to the requirements of Donald C. Cook Nuclear Plant Unit 1 and Unit 2
Technical Specification 6.9.1.8, the attached Monthly Operating Report for
October 2001 is submitted.

Sincerely,

A handwritten signature in black ink that reads 'Scot A. Greenlee'. The signature is written in a cursive style.

Scot A. Greenlee
Director, Design Engineering and Regulatory Affairs

JM/pae

Attachments

IE22

- c: ANI Nuclear Engineering Department
 - A. C. Bakken, III
 - L. Brandon - Department of Health
 - G. T. Gaffney – Canton
 - S. A. Greenlee
 - S. Hamming – Department of Labor
 - RAF Harris
 - INPO Records Center
 - B. Lewis – McGraw-Hill Companies
 - D. H. Malin
 - B. A. McIntyre
 - NRC Project Manager – NRR
 - NRC Region III
 - NRC Resident Inspector
 - D. W. Paul – Columbus
 - J. E. Pollock
 - R. P. Powers
 - M. W. Rencheck
 - W. H. Schalk

N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-315

DATE 11/8/01

COMPLETED BY RAF Harris

TELEPHONE 616-465-5901

OPERATING STATUS

- | | | |
|---|-------------------|--------|
| 1. Unit Name | D. C. Cook Unit 1 | |
| 2. Reporting Period | | Oct-01 |
| 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

Notes:

9. Power Level To Which Restricted. If Any (Net MWe) _____
10. Reasons For Restrictions. _____

	This Mo.	Yr. to Date	Cum'm.
11. Hours in Reporting Period	745.0	7296.0	235224.0
12. No. of Hrs. Reactor Was Critical	745.0	6441.0	158057.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	745.0	6378.0	155441.4
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	2363946.0	20102113.2	460754319.2
17. Gross Elect. Energy Gen. (MWH)	769540.0	6531630.0	149683730.0
18. Net Elect. Energy Gen. (MWH)	743489.0	6307088.0	144034531.0
19. Unit Service Factor	100.0	87.4	66.6
20. Unit Availability Factor	100.0	87.4	66.6
21. Unit Capacity Factor (MDC Net)	99.8	86.4	60.9
22. Unit Capacity Factor (DER Net)	97.8	84.8	59.4
23. Unit Forced Outage Rate	0.0	8.2	20.1
24. Shutdowns Scheduled over Next Six Months (Type,Date,and Duration):			

25. If Shut Down At End of Report Period, Est'd 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 08-Nov-01
COMPLETED BY RAF Harris
TELEPHONE 616-465-5901

MONTH Oct-01

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
10/1/01	725	10/17/01	1019
10/2/01	1007	10/18/01	1016
10/3/01	1024	10/19/01	1023
10/4/01	1026	10/20/01	1024
10/5/01	1023	10/21/01	1019
10/6/01	1025	10/22/01	1019
10/7/01	1033	10/23/01	1018
10/8/01	1025	10/24/01	1025
10/9/01	898	10/25/01	1021
10/10/01	1041	10/26/01	1025
10/11/01	1015	10/27/01	1030
10/12/01	1003	10/28/01	943
10/13/01	1019	10/29/01	847
10/14/01	1012	10/30/01	972
10/15/01	1025	10/31/01	1018
10/16/01	1020		

DOCKET NO. 50 - 315
 UNIT NAME D.C. Cook Unit 1
 DATE November 9, 2001
 COMPLETED BY J Mathis
 TELEPHONE 616-465-5901
 PAGE 1 of 1

UNIT SHUTDOWNS AND POWER REDUCTIONS – October 2001

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
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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

N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-316
 DATE 11/8/01
 COMPLETED BY RAF Harris
 TELEPHONE 616-465-5901

OPERATING STATUS

- | | | |
|--|-------------------|--------|
| 1. Unit Name | D. C. Cook Unit 2 | Notes: |
| 2. Reporting Period | Oct-01 | |
| 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. _____

	This Mo.	Yr. to Date	Cumm.
11. Hours in Reporting Period	745.0	7296.0	209370.0
12. No. of Hrs. Reactor Was Critical	544.2	6256.5	132641.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	528.9	6227.5	128937.9
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	1613326.6	20557736.8	401848348.1
17. Gross Elect. Energy Gen. (MWH)	510560.0	6652200.0	130187700.0
18. Net Elect. Energy Gen. (MWH)	491736.2	6430680.9	125478308.9
19. Unit Service Factor	71.0	85.4	62.2
20. Unit Availability Factor	71.0	85.4	62.2
21. Unit Capacity Factor (MDC Net)	62.3	83.2	57.1
22. Unit Capacity Factor (DER Net)	60.6	80.9	55.6
23. Unit Forced Outage Rate	29.0	14.6	24.8

24. Shutdowns Scheduled over Next Six Months (Type,Date,and Duration): _____
Refueling outage 13 is scheduled to begin during the first quarter of 2002. The proposed length of the outage is 30 days.

25. If Shut Down At End of Report Period, Est'ed 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 8-Nov-01
COMPLETED BY RAF Harris
TELEPHONE 616-465-5901

MONTH Oct-01

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
10/1/01	0	10/17/01	1060
10/2/01	0	10/18/01	1061
10/3/01	0	10/19/01	1047
10/4/01	0	10/20/01	1054
10/5/01	0	10/21/01	1061
10/6/01	0	10/22/01	1049
10/7/01	0	10/23/01	1058
10/8/01	0	10/24/01	1046
10/9/01	0	10/25/01	928
10/10/01	318	10/26/01	524
10/11/01	828	10/27/01	530
10/12/01	1032	10/28/01	634
10/13/01	1048	10/29/01	966
10/14/01	1054	10/30/01	996
10/15/01	1062	10/31/01	1051
10/16/01	1057		

DOCKET NO. 50 - 316
 UNIT NAME D.C. Cook Unit 2
 DATE November 9, 2001
 COMPLETED BY J Mathis
 TELEPHONE 616-465-5901
 PAGE 1 of 1

UNIT SHUTDOWNS AND POWER REDUCTIONS – October 2001

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
337	010830	F	216.1	A	1	2001-003	BI	KE	Unit 2 shutdown due to degraded ESW performance that affected both Emergency Diesel Generators and other components serviced by ESW system. The outage continued from August 2001.
338	011007	F	0	A	4	2001-004	RPD	FU	A loss of control rod drive voltage caused by a failure of a resistor resulting in the insertion of control rods. The turbine was not synchronized to the grid at the time of the scram, thus the duration is included in shutdown number 337.
339	11026	F	0	H	4	n/a	n/a	n/a	Power reduction to clean Main Feedwater pump condenser waterboxes.

1 TYPE:
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 S: Scheduled

2 REASON:
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 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
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 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