

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



December 13, 2001

C1201-01

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
November 2001 is submitted.

Sincerely,

A handwritten signature in black ink, appearing to read 'SAG' followed by a flourish and the number '602'.

Scot A. Greenlee
Director, Design Engineering and Regulatory Affairs

JM/pae

Attachments

IE24

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
M. W. Rencheck
W. H. Schalk

N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-315

DATE 12/7/01

COMPLETED BY RAF Harris

TELEPHONE 616-465-5901

OPERATING STATUS

- 1. Unit Name D. C. Cook Unit 1
- 2. Reporting Period Nov-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	Cumm.
11. Hours in Reporting Period	720.0	8016.0	235944.0
12. No. of Hrs. Reactor Was Critical	720.0	7161.0	158777.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	720.0	7098.0	156161.4
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	2334867.6	22436980.8	463089186.8
17. Gross Elect. Energy Gen. (MWH)	754370.0	7286000.0	150438100.0
18. Net Elect. Energy Gen. (MWH)	730361.0	7037449.0	144764892.0
19. Unit Service Factor	100.0	88.5	66.7
20. Unit Availability Factor	100.0	88.5	66.7
21. Unit Capacity Factor (MDC Net)	101.4	87.8	61.0
22. Unit Capacity Factor (DER Net)	99.5	86.1	59.5
23. Unit Forced Outage Rate	0.0	7.4	20.0

24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration):
Refueling outage 17 is scheduled to begin during the second quarter of 2002. The proposed length of the outage is 30 days

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 07-Dec-01
COMPLETED BY RAF Harris
TELEPHONE 616-465-5901

MONTH Nov-01

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
11/1/01	1021	11/17/01	1015
11/2/01	1021	11/18/01	1011
11/3/01	1011	11/19/01	1013
11/4/01	1018	11/20/01	1018
11/5/01	1016	11/21/01	996
11/6/01	1014	11/22/01	1015
11/7/01	1013	11/23/01	1002
11/8/01	1017	11/24/01	1004
11/9/01	1017	11/25/01	1019
11/10/01	1017	11/26/01	1017
11/11/01	1019	11/27/01	1015
11/12/01	1015	11/28/01	1018
11/13/01	1012	11/29/01	1019
11/14/01	1015	11/30/01	1015
11/15/01	1015		
11/16/01	1015		

DOCKET NO. 50 - 315
 UNIT NAME D.C. Cook Unit 1
 DATE December 7, 2001
 COMPLETED BY J Mathis
 TELEPHONE 616-465-5901
 PAGE 1 of 1

UNIT SHUTDOWNS AND POWER REDUCTIONS – November 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
-----	------	-------------------	-------------------	---------------------	---	---------------------------------	-----------------------------	--------------------------------	--

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 12/7/01
 COMPLETED BY RAF Harris
 TELEPHONE 616-465-5901

OPERATING STATUS

- 1. Unit Name D. C. Cook Unit 2
- 2. Reporting Period Nov-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

Notes:

- 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	720.0	8016.0	210090.0
12. No. of Hrs. Reactor Was Critical	720.0	6976.5	133361.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	720.0	6947.5	129657.9
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	2453218.5	23010955.3	404301566.6
17. Gross Elect. Energy Gen. (MWH)	784390.0	7436590.0	130972090.0
18. Net Elect. Energy Gen. (MWH)	758595.0	7189275.9	126236903.9
19. Unit Service Factor	100.0	86.7	62.4
20. Unit Availability Factor	100.0	86.7	62.4
21. Unit Capacity Factor (MDC Net)	99.4	84.6	57.2
22. Unit Capacity Factor (DER Net)	96.7	82.3	55.7
23. Unit Forced Outage Rate	0.0	13.3	24.7

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 7-Dec-01
COMPLETED BY RAF Harris
TELEPHONE 616-465-5901

MONTH Nov-01

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
11/1/01	1056	11/17/01	1058
11/2/01	1047	11/18/01	1062
11/3/01	1045	11/19/01	1064
11/4/01	1042	11/20/01	1065
11/5/01	1049	11/21/01	1050
11/6/01	1048	11/22/01	1063
11/7/01	1050	11/23/01	1061
11/8/01	1050	11/24/01	1064
11/9/01	1048	11/25/01	1064
11/10/01	1048	11/26/01	1062
11/11/01	1043	11/27/01	1059
11/12/01	1049	11/28/01	1053
11/13/01	1045	11/29/01	1054
11/14/01	1048	11/30/01	1060
11/15/01	1048		
11/16/01	1055		

DOCKET NO. 50 - 316
 UNIT NAME D.C. Cook Unit 2
 DATE December 7, 2001
 COMPLETED BY J Mathis
 TELEPHONE 616-465-5901
 PAGE 1 of 1

UNIT SHUTDOWNS AND POWER REDUCTIONS – November 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
-----	------	-------------------	-------------------	---------------------	---	---------------------------------	-----------------------------	--------------------------------	--

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