

60-315

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER
MONTHLY REPORT

TO:

N. R. C.

FROM:

Indiana & Michigan Power Company
Bridgman, Michigan
D. V. Shaller

DATE OF DOCUMENT

12/06/77

DATE RECEIVED

12/14/77

☒ LETTER☐ NOTORIZED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED

☒ ORIGINAL
☐ COPY☒ UNCLASSIFIED

1 SIGNED

DESCRIPTION

LTR TRANS THE FOLLOWING:

(1-P)

PLANT NAME: Cook Unit No. 1
RJL 12/14/77

ENCLOSURE

MONTHLY REPORT FOR November 1977
PLANT & COMPONENT OPERABILITY & AVAILABILITY.
THIS REPORT TO BE USE IN PREPARING GRAY BOOK
BY PLANS & OPERATIONS.

(3-P)

1 ENC

FOR ACTION/INFORMATION

MPC W/2 CYS FOR ACTION

INTERNAL DISTRIBUTION

REG FILES

NRC PDR

BRANCH CHIEF (L)

DAVIS

~~REG ASST.~~

EXTERNAL DISTRIBUTION

LPDR

TIC:

NSIC

ST JOSEPH M.

CONTROL NUMBER

773480041

MR

RECEIVED
DOCKET FILE COPY



INDIANA & MICHIGAN POWER COMPANY

DONALD C. COOK NUCLEAR PLANT
P.O. Box 458, Bridgman, Michigan 49106



December 6, 1977

Director, Office of Management Information
and Program Control
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Gentlemen:

Pursuant to the requirements of the United States Nuclear Regulatory Commission Guide 1.16, Revision 4, the attached monthly reports for the month of November, 1977 are submitted.

Sincerely,

D. V. Shaller
Plant Manager

DVS:pk

Attachments

cc: R. W. Jurgensen
NRC Region III
K. R. Baker
R. C. Callen
R. Walsh
S. J. Mierzwa
J. E. Dolan
R. J. Vollen
G. E. Lien
K. W. Brown
J. M. Hennigan
P. W. Steketee
A. F. Kozlowski
J. F. Stietzel
PNSRC File

773480041

REPLY TO DOCKET FILE COPY

APPENDIX B
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-315

UNIT #1

DATE 12-1-77

COMPLETED BY W. Gillett

TELEPHONE (616) 465-5901

MONTH November, 1977

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>1042</u>
2	<u>782</u>
3	<u>599</u>
4	<u>413</u>
5	<u>420</u>
6	<u>420</u>
7	<u>415</u>
8	<u>624</u>
9	<u>858</u>
10	<u>1040</u>
11	<u>1043</u>
12	<u>1044</u>
13	<u>747</u>
14	<u>1043</u>
15	<u>1046</u>
16	<u>1047</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>1046</u>
18	<u>111</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>0</u>

INSTRUCTIONS

On this form, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

These figures will be used to plot a graph for each reporting month. Note that when maximum dependable capacity is used for the net electrical rating of the unit, there may be occasions when the daily average power level exceeds the 100% line (or the restricted power level line). In such cases, the average daily unit power output sheet should be footnoted to explain the apparent anomaly.

APPENDIX C OPERATING DATA REPORT

DOCKET NO. 50-315
UNIT 1
DATE 12-1-77
COMPLETED BY W.T. Gillett
TELEPHONE (616) 465-5901

OPERATING STATUS

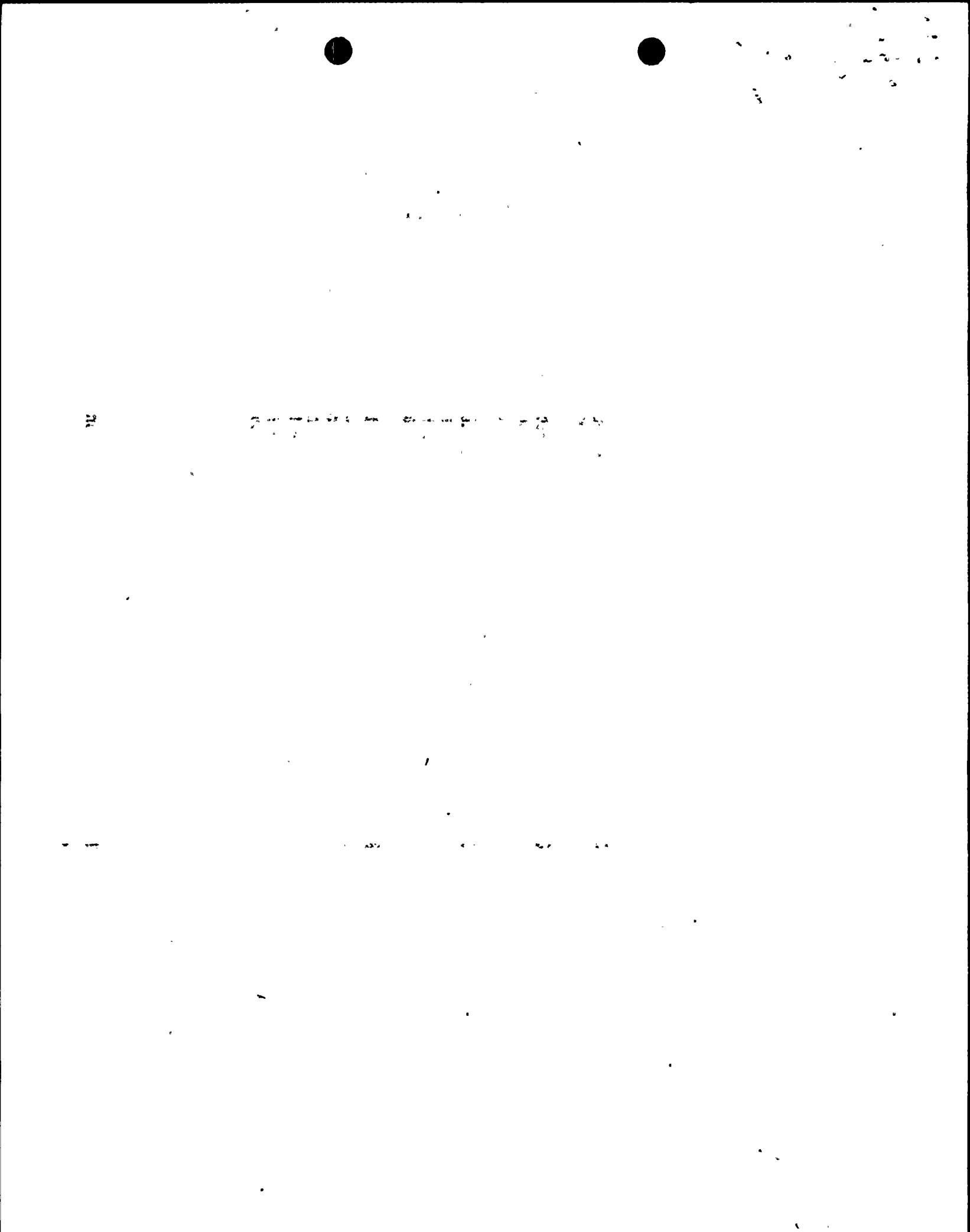
1. REPORTING PERIOD: 0001 77-11-01 GROSS HOURS IN REPORTING PERIOD: 2400 77-11-30
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 3250 MAX. DEPEND. CAPACITY (MWe-Net): 1044
DESIGN ELECTRICAL RATING (MWe-Net): 1054
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MWe-Net): _____
4. REASONS FOR RESTRICTION (IF ANY): _____

	THIS MONTH	YR TO DATE	CUMULATIVE
5. NUMBER OF HOURS REACTOR WAS CRITICAL	<u>411.8</u>	<u>6,165.8</u>	<u>19943.1</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>463</u>
7. HOURS GENERATOR ON LINE	<u>411.8</u>	<u>5,988.4</u>	<u>19295.4</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>321</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>1,051,487</u>	<u>13,435,203</u>	<u>49,513,073</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>344,360</u>	<u>4,332,570</u>	<u>16,078,140</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>329,770</u>	<u>4,123,761</u>	<u>15,388,196</u>
12. REACTOR SERVICE FACTOR	<u>57.2</u>	<u>76.9</u>	<u>81.5</u>
13. REACTOR AVAILABILITY FACTOR	<u>57.2</u>	<u>76.9</u>	<u>81.5</u>
14. UNIT SERVICE FACTOR	<u>57.2</u>	<u>74.7</u>	<u>79.8</u>
15. UNIT AVAILABILITY FACTOR	<u>57.2</u>	<u>74.7</u>	<u>79.8</u>
16. UNIT CAPACITY FACTOR (Using MDC)	<u>43.9</u>	<u>49.3</u>	<u>67.8</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)	<u>43.5</u>	<u>48.8</u>	<u>62.0</u>
18. UNIT FORCED OUTAGE RATE	<u>42.8</u>	<u>8.6</u>	<u>6.8</u>

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):

20. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: _____

21. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):	FORECAST	ACHIEVED
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____



APPENDIX D
UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-315

UNIT NAME Donald C. Cook Unit #1

DATE 12-6-77

COMPLETED BY B. A. Svensson

TELEPHONE (616) 465-5901

REPORT MONTH NOVEMBER, 1977

NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER (2)	CORRECTIVE ACTIONS/COMMENTS
109	771102	S	0	H	4	Reduced reactor power to 61% for fuel conservation.
110 S	771103	S	0	H	4	Reduced reactor power to 45% for fuel conservation. Increased power to 70% 771108. Increased power to 100% 771109.
111	771113	S	0	H	4	Reduced reactor power to 50% to supply steam through crosstie to Unit No. 2 for Unit No. 2 steam dump test. Returned reactor power to 100% the same day.
112	771118	F	308.2	D	1	Reactor shutdown and unit placed in cold shutdown condition (Mode 5) per N.R.C. order. Reason for shutdown was to replace unqualified electrical connectors with connectors or splices meeting the requirements of the Nuclear Regulatory Commission's regulations.

SUMMARY: From the beginning of the month until the shutdown on 771118 the unit was loaded as required to meet system conditions.

RECEIVED DOCUMENT
PROCESSING UNIT

1977 DEC 13 PM 12 25