

# CATEGORY 1

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9710170085 DOC. DATE: 97/09/30 NOTARIZED: NO DOCKET #  
FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana M 05000315  
50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana M 05000316  
AUTH. NAME AUTHOR AFFILIATION  
MINOR, J. W. Indiana Michigan Power Co.  
SAMPSON, J. R. Indiana Michigan Power Co.  
RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for Sept 1997 for DC Cook Nuclear  
Plant Units 1 & 2. W/971008 ltr.

DISTRIBUTION CODE: IE24D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 10  
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		

### 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

C  
A  
T  
E  
G  
O  
R  
Y  
  
1  
  
D  
O  
C  
U  
M  
E  
N  
T

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

October 8, 1997

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 September 1997 is submitted.

Sincerely,

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

J.R. Sampson  
Plant Manager

/jc

Attachment

c: NRC Region III  
D.R. Hahn  
R.C. Callen  
S. Hamming  
B. Lewis  
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

IE24/1

9710170085 970930  
PDR ADDCK 05000315  
R PDR



# N.R.C. OPERATING DATA REPORT

DOCKET NO.	50 - 315
DATE	October 6, 1997
COMPLETED BY	JW Minor
TELEPHONE	616-465-5901

## OPERATING STATUS

1. Unit Name	D. C. Cook Unit 1
2. Reporting Period	Sep-97
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

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	720.0	6552.0	199416.0
12. No. of Hrs. Reactor Was Critical	190.2	4698.0	151285.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	189.8	4612.3	148821.1
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Thermal Energy Gen. (MWH)	613103.4	14390017.0	440194814.0
17. Gross Electrical Energy Gen. (MWH)	198290.0	4714030.0	143013940.0
18. Net Electrical Energy Gen. (MWH)	191318.0	4546279.0	137597640.0
19. Unit Service Factor	26.4	70.4	75.4
20. Unit Availability Factor	26.4	70.4	75.4
21. Unit Capacity Factor (MDC Net)	26.6	69.4	68.8
22. Unit Capacity Factor (DER Net)	26.1	68.0	67.1
23. Unit Forced Outage Rate	73.6	10.3	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:

To be Determined.

---

26. Units in Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

DOCKET NO.  
UNIT NAME  
DATE  
COMPLETED BY  
TELEPHONE

50 - 315  
D.C. Cook Unit 1  
October 6, 1997  
JW Minor  
616-465-5901

AVERAGE DAILY POWER LEVEL (MWe-Net)

September 1997

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
9/1/97	1016	9/17/97	0
9/2/97	1013	9/18/97	0
9/3/97	1028	9/19/97	0
9/4/97	1021	9/20/97	0
9/5/97	1021	9/21/97	0
9/6/97	1022	9/22/97	0
9/7/97	1014	9/23/97	0
9/8/97	837	9/24/97	0
9/9/97	0	9/25/97	0
9/10/97	0	9/26/97	0
9/11/97	0	9/27/97	0
9/12/97	0	9/28/97	0
9/13/97	0	9/29/97	0
9/14/97	0	9/30/97	0
9/15/97	0		
9/16/97	0		

DOCKET NO.  
UNIT NAME  
DATE  
COMPLETED BY  
TELEPHONE  
PAGE

50 - 315  
D.C. Cook Unit 1  
October 6, 1997  
JF Center  
616-697-5098  
1 of 1

## MONTHLY OPERATING ACTIVITIES - September 1997

### HIGHLIGHTS

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

The unit exited this reporting period in Mode 5 at 0% RTP.

There were no challenges to the pressurizer safety valves or power operated relief valves.

Gross electrical generation for the month of September was 198290 MWh.

### DETAILS

09/08/97	1555	Commenced Reactor power reduction to resolve design basis questions discovered during the NRC Architect and Engineering (AE) Inspection.
	1900	An Unusual Event was declared due to a possible loss of a containment barrier when both trains of containment spray were declared inoperable.
	2150	Manually tripped the Main Turbine.
	2210	Opened the Reactor Trip Breakers.
09/09/97	0400	Entered Mode 4.
09/10/97	0203	Entered Mode 5. Terminated the Unusual Event..
09/23/97	1410	Received an Unplanned ESF Actuation on 2 of 4 Low Low Steam Generator Level coincidences while filling to wet lay up. The cause was instrument indication swings in combination with a narrow reset band.

---

\* All times are in Eastern Standard Time (EST).

DOCKET NO.	50 - 315
UNIT NAME	D.C. Cook Unit 1
DATE	October 6, 1997
COMPLETED BY	JF Center
TELEPHONE	616-697-5098
PAGE	1 of 1

### UNIT SHUTDOWNS AND POWER REDUCTIONS - September 1997

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
333	090897	F	529.8	F	2	97-010 97-011 97-012 97-013 97-014 97-016	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	The unit was shutdown to resolve design basis questions discovered during the NRC Architect and Engineering (AE) Inspection.

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



U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

October 8, 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 September 1997 is submitted.

Sincerely,

A handwritten signature in black ink, appearing to read 'J.R. Sampson', with a stylized flourish at the end.

J.R. Sampson  
Plant Manager

/jc

Attachment

c: NRC Region III  
D.R. Hahn  
R.C. Callen  
S. Hamming  
B. Lewis  
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

# N.R.C. OPERATING DATA REPORT

DOCKET NO.	50 - 316
DATE	October 6, 1997
COMPLETED BY	JW Minor
TELEPHONE	616-465-5901

## OPERATING STATUS

1. Unit Name	D. C. Cook Unit 2
2. Reporting Period	Sep-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	720.0	6552.0	173112.0
12. No. of Hrs. Reactor Was Critical	192.0	5759.1	121771.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	192.0	5705.8	118153.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Gen. (MWH)	649918.3	18829383.4	366007650.4
17. Gross Electrical Energy Gen. (MWH)	203770.0	6080250.0	118584640.0
18. Net Electrical Energy Gen. (MWH)	196813.0	5875213.0	114257779.0
19. Unit Service Factor	26.7	87.1	69.2
20. Unit Availability Factor	26.7	87.1	69.2
21. Unit Capacity Factor (MDC Net)	25.8	84.6	63.1
22. Unit Capacity Factor (DER Net)	25.1	82.3	61.4
23. Unit Forced Outage Rate	73.3	12.9	14.1

24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration):

Refueling outage is scheduled to begin October 13, 1997 with an estimated duration of 40 days.

---

25. If Shut Down At End of Report Period, Estimated Date of Startup:

The 40 day refueling outage schedule gives an estimated start up date on November 22, 1997.

---

26. Units in Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		



DOCKET NO.  
UNIT NAME  
DATE  
COMPLETED BY  
TELEPHONE

50 - 316  
D.C. Cook Unit 2  
October 6, 1997  
JW Minor  
616-465-5901

AVERAGE DAILY POWER LEVEL (MWe-Net)

SEPTEMBER 1997

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
9/1/97	1029	9/17/97	0
9/2/97	1025	9/18/97	0
9/3/97	1053	9/19/97	0
9/4/97	1049	9/20/97	0
9/5/97	1041	9/21/97	0
9/6/97	1050	9/22/97	0
9/7/97	1023	9/23/97	0
9/8/97	931	9/24/97	0
9/9/97	0	9/25/97	0
9/10/97	0	9/26/97	0
9/11/97	0	9/27/97	0
9/12/97	0	9/28/97	0
9/13/97	0	9/29/97	0
9/14/97	0	9/30/97	0
9/15/97	0		
9/16/97	0		

DOCKET NO.  
UNIT NAME  
DATE  
COMPLETED BY  
TELEPHONE  
PAGE

50 - 316  
D.C. Cook Unit 2  
October 6, 1997  
JF Center  
616-697-5098  
1 of 1

## MONTHLY OPERATING ACTIVITIES - SEPTEMBER 1997

### HIGHLIGHTS

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

The unit exited this reporting period in Mode 5 at 0% RTP.

There were no challenges to the pressurizer safety valves or power operated relief valves.

Gross electrical generation for the month of September was 203770 MWh.

### DETAILS

09/08/97	1628	Commenced Reactor power reduction to resolve design basis questions discovered during the NRC Architect and Engineering (AE) Inspection.
	1900	An Unusual Event was declared due to a possible loss of a containment barrier when both trains of containment spray were declared inoperable.
09/09/97	0001	Opened the Reactor Trip Breakers.
	0535	Entered Mode 4.
	2315	Entered Mode 5.
09/10/97	0203	Terminated the Unusual Event.

---

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

DOCKET NO.	50 - 316
UNIT NAME	D.C. Cook Unit 2
DATE	October 6, 1997
COMPLETED BY	JF Center
TELEPHONE	616-697-5098
PAGE	1 of 1

# UNIT SHUTDOWNS AND POWER REDUCTIONS - SEPTEMBER 1997

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
333	090897	F	528.0	F	2	97-003 97-004	N/A N/A	N/A N/A	The unit was shutdown to resolve design basis questions discovered during the NRC Architect and Engineering (AE) Inspection.

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