

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8802050047 DOC. DATE: 87/12/31 NOTARIZED: NO DOCKET #  
 FACIL: 50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana & 05000316  
 AUTH. NAME AUTHOR AFFILIATION  
 GILES, H. Indiana Michigan Power Co. (formerly Indiana & Michigan Ele  
 SMITH, W. G. Indiana Michigan Power Co. (formerly Indiana & Michigan Ele  
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Dec 1987. W/880108 ltr.

DISTRIBUTION CODE: IE24D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 7  
 TITLE: Monthly Operating Report (per Tech Specs)

NOTES:

	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
	PD3-3 LA	1 0	PD3-3 PD	5 5
	WIGGINGTON, D	1 0		
INTERNAL:	AEOD/DOA	1 1	AEOD/DSP/TPAB	1 1
	ARM TECH ADV	2 2	NRR/DLPQ/PEB	1 1
	NRR/DOEA/EAB	1 1	NRR/DREP/RPB	1 1
	NRR/PMAS/ILRB	1 1	REG-FILE 01	1 1
	RGN3	1 1		
EXTERNAL:	EG&G GROH, M	1 1	LPDR	1 1
	NRC PDR	1 1	NSIC	1 1



# N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-316  
DATE 1/6/88  
COMPLETED BY H. Giles  
TELEPHONE 616-465-5901

## OPERATING STATUS

1. Unit Name D. C. Cook Unit 2 -----  
2. Reporting Period DEC87 notes  
3. Licensed Thermal Power (MWt) 3411  
4. Name Plate Rating (Gross MWe) 1133  
5. Design Electrical Rating (Net MWe) 1100  
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. If Any: \_\_\_\_\_

	This Mo.	Yr. to Date	Cumml.
11. Hours in Reporting Period	744.0	8760.0	87648.0
12. No. of Hrs. Reactor Was Critical	744.0	6283.1	60872.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	744.0	6251.6	59494.9
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	1995088	16398415	182089619
17. Gross Elect. Energy Gen. (MWH)	651390	4616210	58834250
18. Net Elect. Energy Gen. (MWH)	623911	4310975	56545811
19. Unit Service Factor	100.0	71.4	69.8
20. Unit Availability Factor	100.0	71.4	69.8
21. Unit Capacity Factor (MDC Net)	79.1	46.4	62.6
22. Unit Capacity Factor (DER Net)	76.2	44.7	61.1
23. Unit Forced Outage Rate	0.0	18.5	15.1

24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration):  
Steam generator replacement outage to begin on April 23, 1988 for an  
estimated duration of 225 days.

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

8802050047 871231  
PDR ADDCK 05000316  
R PDR

IE24  
L/L

AVERAGE DAILY POWER LEVEL (MWe-Net)

DOCKET NO. 50-316  
UNIT TWO  
DATE 1/6/88  
COMPLETED BY H. Giles  
TELEPHONE 616-465-5901

MONTH DEC87

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	859	17	861
2	857	18	861
3	857	19	860
4	860	20	860
5	857	21	862
6	859	22	811
7	860	23	275
8	860	24	829
9	863	25	864
10	860	26	858
11	862	27	860
12	857	28	862
13	866	29	860
14	856	30	860
15	861	31	861
16	860		

# UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH DECEMBER

DOCKET NO. 50-316  
 UNIT NAME D.C. Cook Unit 2  
 DATE January 8, 1988  
 COMPLETED BY J. L. St. Amand  
 TELEPHONE (616) 465-5901

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
186	871222	S	0	.H	4	N/A	ZZ	ZZZZZZ	Power was reduced from 80% to 8% to allow an oil addition to the #21 reactor coolant pump. Both main feedpump condensers were cleaned during this time. Power was returned to 80% on 12-24-87.

<sup>1</sup> F: Forced  
S: Scheduled

<sup>2</sup> Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance of Test  
 C-Refueling  
 D-Regulatory Restriction  
 E-Operator Training & 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

DOCKET NO: 50-316  
UNIT NAME: D.C. Cook Unit 2  
COMPLETED BY: A. S. Puplis  
TELEPHONE: (616) 465-5901  
DATE: December 2, 1987  
PAGE: 1 of 2

MONTHLY OPERATING ACTIVITIES - NOVEMBER 1987

HIGHLIGHTS

The reporting period began with the unit at 80% rated thermal power. The unit remained at 80% power until 12-22-87, when a power reduction to 8% was initiated to add oil to the No. 21 reactor coolant pump motor.

While the unit was at the reduced power level, both main feed pump condensers were cleaned.

A reactor power increase to 80% was initiated on 12-23-87. Reactor power was restored to 80% at 0513 on 12-24-87.

The reporting period ended with the unit at 80% power.

Gross electrical generation was 651,390 MWH for the month.

SUMMARY

12-4-87                      Unit 2 CD Emergency Diesel Generator was inoperable from 1058 to 1147 due to a false electronic overspeed trip signal induced while installing temporary instrumentation for data collection.

12-6-87                      At 0025 the West Essential Service Water (ESW) pump discharge valve (2-WM0-704), was declared inoperable due to the valve not fully stroking during its surveillance test. The west ESW header was removed from service at 0401 the same day to troubleshoot 2-WM0-704. The valve was replaced, satisfactorily stroked, and declared operable at 1207 on 12-7-87.

During inspection of the west ESW pump discharge valve, internal corrosion was noticed on the pump discharge check valve (2-ESW-102W). The valve was declared inoperable at 0950 on 12-7-87.



The valve was evaluated and it's condition was determined to be acceptable, following verification of flow and seating capabilities. The valve was returned to service, pending future repairs. Parts are being expedited.

12-22-87

A power reduction to 8% was initiated at 1800 hours, to allow oil addition to the #21 Reactor Coolant Pump Motor.

12-23-87

Reactor Power was stabilized at 8% at 1007 hours.

At 1105, a power increase was initiated.

12-24-87

Reactor Power was restored to 80% at 0513.

12-31-87

At 0134 Unit 2 entered then exited Technical Specification 3.0.3 to stroke ICM-265, the South Safety Injection Pump Discharge Valve for surveillance testing.





DOCKET NO.	<u>50-316</u>
UNIT NAME	<u>D.C.Cook-Unit No. 2</u>
DATE	<u>January 8, 1988</u>
COMPLETED BY	<u>J. L. St. Amand</u>
TELEPHONE	<u>(616) 465-5901</u>
PAGE	<u>1 of 1</u>

MAJOR SAFETY-RELATED MAINTENANCE

DECEMBER, 1987

M-1

2-MRV-242 (Steam Generator #4 Stop Valve Steam Cylinder Train "B" Dump Valve) was leaking by. The plug and seat were replaced. The valve tested satisfactorily.

10/10/1944

Dear Mr. [illegible]

[illegible]

[illegible]

[illegible]

*ps*  
Indiana Michigan  
Power Company  
Cook Nuclear Plant  
P.O. Box 458  
Bridgman, MI 49106  
616 465 5901



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

January 8, 1988

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 December, 1987 is submitted.

Sincerely,

*W. G. Smith, Jr.*  
W. G. Smith, Jr.  
Plant Manager

WGS/jd

cc: J. E. Dolan  
M. P. Alexich  
R. W. Jurgensen  
R. C. Callen  
C. A. Erikson  
D. W. Paul  
D. R. Hahn  
J. J. Markowsky  
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PNSRC File  
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EPRI--Nuclear Safety Analysis Center

DESIGNATED ORIGINAL  
Certified By *Ina Schwartz*

*IE24*  
*116*