

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

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 FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana & 05000315  
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 RECIP. NAME      RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Jan 1989 for DC Cook Nuclear  
 Plant Unit 1.W/890206 ltr.

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

February 6, 1989

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 January 1989 is submitted.

Sincerely,

A handwritten signature in cursive script, appearing to read 'W. G. Smith, Jr.'.

W. G. Smith, Jr.  
Plant Manager

WGS/jd

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11



# N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-315

DATE 01-Feb-89

COMPLETED BY H. Giles

TELEPHONE 616-465-5901

## OPERATING STATUS

1. Unit Name D. C. Cook Unit 1 -----  
 2. Reporting Period JAN 89 notes  
 3. Licensed Thermal Power (MWt) 3250  
 4. Name Plate Rating (Gross MWe) 1152  
 5. Design Electrical Rating (Net MWe) 1030  
 6. Maximum Dependable Capacity (GROSS MWe) 1056  
 7. Maximum Dependable Capacity (Net MWe) 1020 -----  
 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	Cumm.
11. Hours in Reporting Period	744.0	744.0	123480.0
12. No. of Hrs. Reactor Was Critical	723.5	723.5	90995.2
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	718.4	718.4	89337.3
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	1846055	1846055	259052470
17. Gross Elect. Energy Gen. (MWH)	585100	585100	84503300
18. Net Elect. Energy Gen. (MWH)	559353	559353	81258142
19. Unit Service Factor	96.6	96.6	73.6
20. Unit Availability Factor	96.6	96.6	73.6
21. Unit Capacity Factor (MDC Net)	73.7	73.7	65.6
22. Unit Capacity Factor (DER Net)	73.0	73.0	63.6
23. Unit Forced Outage Rate	3.4	3.4	7.9

24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration):  
 Unit 1 cycle 10-11 refueling outage is currently scheduled to begin  
 March 11, 1989.

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



AVERAGE DAILY POWER LEVEL (MWe-Net)

DOCKET NO. 50-315  
UNIT ONE  
DATE 02-Feb-89  
COMPLETED BY H. Giles  
TELEPHONE 616-465-5901

MONTH JAN 89

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	902	17	43
2	901	18	517
3	901	19	691
4	901	20	691
5	902	21	691
6	902	22	693
7	902	23	690
8	900	24	691
9	899	25	693
10	900	26	688
11	900	27	692
12	900	28	692
13	901	29	694
14	872	30	694
15	693	31	693
16	478		

DOCKET NO: 50-315  
UNIT NAME: D. C. Cook Unit 1  
COMPLETED BY: T. R. Stephens  
TELEPHONE: (616) 465-5901  
DATE: February 6, 1989  
PAGE: 1 of 1

MONTHLY OPERATING ACTIVITIES - JANUARY 1989

HIGHLIGHTS:

The Unit entered this period at 90% rated thermal power (RTP). A power reduction to 71% RTP for core stretchout was performed between 1600 hours on January 14th and 0130 hours on January 15th.

A reactor trip occurred at 1633 hours on January 16th. The cause of the trip was an operator-error-induced loss of main condenser vacuum.

The condition was corrected and the generator paralleled at 1812 hours. The unit reached 70% power at 1610 on Jan. 18 and remained there for the remainder of the reporting period.

DETAILS

01-16-89 1633 Turbine/Reactor Trip due to low vacuum.

01-17-89 1308 The reactor was taken critical.

1440 Reactor entered Mode 1.

1812 Generator paralleled to system.

2030 Stopped power ascension at 29% for chemistry cleanup.

01-18-89 0525 Stopped power ascension at 48% for Quadrant Power Tilt Ratio.

1610 Reactor Power reached 70%.





# UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH JANUARY

DOCKET NO. 50-315  
 UNIT NAME D.C. Cook Unit 1  
 DATE February 6, 1989  
 COMPLETED BY T.R. Stephens  
 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
276	890116	F	25.6	G	3	(later)	ZZZZ	ZZZZZZ	<p>A turbine/reactor trip occurred at 1633 hours on January 16th. The cause of the trip was an operator--error--induced loss of main condense vacuum. The condition was corrected and the unit paralleled at 1822 hours on January 17.</p> <p>Preventive action will include operator training to emphasis the importance of self checking. The labeling of the involved control switches will be enhanced for human factor concerns.</p>

1  
 F: Forced  
 S: Scheduled

2  
 Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance or Test  
 C-Refueling  
 D-Regulatory Restriction  
 E-Operator Training & 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  
 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5  
 Exhibit I - Same Source

(9/77)

DOCKET NO.	<u>50-315</u>
UNIT NAME	<u>D. C. Cook - Unit No. 1</u>
DATE	<u>February 6, 1989</u>
COMPLETED BY	<u>T. R. Stephens</u>
TELEPHONE	<u>(616) 465-5901</u>
PAGE	<u>1 of 1</u>

MAJOR SAFETY-RELATED MAINTENANCE

JANUARY 1989

There were no major safety-related maintenance problems during the month of January.

