

CATEGORY 1

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 FACIL: 50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana M 05000316
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 RUSSO, ME American Electric Power Co., Inc.
 MINOR, JW American Electric Power Co., Inc.
 SAMPSON, J.R. American Electric Power Co., Inc.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Jan 1996 for Donald C. Cook
 Nuclear Plant, Unit 2.W/970204 ltr.

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American Electric
Cook Nuclear Plant
One Cook Place
Bridgman, MI 49106
616 465 5901



February 4, 1997

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

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 January 1997 is submitted.

Respectfully,

A handwritten signature in cursive script, appearing to read 'J.R. Sampson'.

J.R. Sampson
Plant Manager

Attachment

c: NRC Region III
D.R. Hahn
R.C. Callen
S. Hamming
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
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N.R.C. OPERATING DATA REPORT

DOCKET NO.	50 - 316
DATE	Feb., 4, 1997
COMPLETED BY	JW Minor
TELEPHONE	616-465-5901

OPERATING STATUS

1. Unit Name	D. C. Cook Unit 2
2. Reporting Period	Jan-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	744.0	744.0	167304.0
12. No. of Hrs. Reactor Was Critical	744.0	744.0	116755.9
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	744.0	744.0	113191.6
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Gen. (MWH)	2413989.3	2413989.3	349592256.3
17. Gross Electrical Energy Gen. (MWH)	794520.0	794520.0	113298910.0
18. Net Electrical Energy Gen. (MWH)	768100.0	768100.0	109150666.0
19. Unit Service Factor	100.0	100.0	68.7
20. Unit Availability Factor	100.0	100.0	68.7
21. Unit Capacity Factor (MDC Net)	97.4	97.4	62.4
22. Unit Capacity Factor (DER Net)	94.7	94.7	60.7
23. Unit Forced Outage Rate	0.0	0.0	14.1

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: _____

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

INITIAL CRITICALITY
INITIAL ELECTRICITY
COMMERCIAL OPERATION

Forecast

Achieved

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UNIT NAME
DATE
COMPLETED BY
TELEPHONE

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D.C. Cook Unit 2
Feb. 4, 1997
JW Minor
616-465-5901

AVERAGE DAILY POWER LEVEL (MWe-Net)

JANUARY 1997

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1/1/97	932	1/17/97	1086
1/2/97	533	1/18/97	1086
1/3/97	574	1/19/97	1086
1/4/97	1047	1/20/97	1083
1/5/97	1081	1/21/97	1093
1/6/97	1085	1/22/97	1096
1/7/97	1082	1/23/97	1094
1/8/97	1075	1/24/97	1095
1/9/97	1070	1/25/97	1093
1/10/97	1068	1/26/97	1095
1/11/97	743	1/27/97	1094
1/12/97	963	1/28/97	1096
1/13/97	1093	1/29/97	1093
1/14/97	1091	1/30/97	1095
1/15/97	1097	1/31/97	1095
1/16/97	1091		

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Feb. 4, 1997
ME Russo
616-697-5100
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MONTHLY OPERATING ACTIVITIES - JANUARY 1997

HIGHLIGHTS

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

Reactor power was reduced to 55% RTP on January 1 to facilitate Main Feedpump control repairs. The unit was restored to 100% RTP on January 4 at 0530.

Reactor power was reduced to 70% RTP on January 10 to facilitate planned Steam Generator Stop Valve Dump Valve testing. The unit was restored to 100% RTP on January 12 at 1440.

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

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

Gross electrical generation for the month of January was 794520 MWH.

DETAILS

01-01-97	0840	Main Feedpump differential pressure controller failure. Commenced rapid power reduction.
	0925	Reactor power stabilized at 84% RTP.
	2023	Commenced Reactor power reduction to facilitate Main Feedpump control repairs.
01-02-97	0030	Reactor power stabilized at 55% RTP.
	1050	Commenced Reactor power reduction to facilitate Nuclear Instrumentation calibration.
	1136	Reactor power stabilized at 52% RTP.
01-03-97	1551	Commenced Reactor power ascension.
01-04-97	0530	Reactor power stabilized at 100% RTP.
01-10-97	2102	Commenced Reactor power reduction to facilitate planned Steam Generator Stop Valve Dump Valve testing.
01-11-97	0241	Reactor power stabilized at 70% RTP.
01-12-97	0400	Commenced Reactor power ascension.
	1440	Reactor power stabilized at 100% RTP.

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DETAILS (cont'd)

01-20-97	0855	Commenced Reactor power reduction due to a potential problem with a Main Feedpump lube oil trip pressure switch.
	0932	Reactor power reduction halted at 95% RTP following pressure switch defeat.
	1130	Commenced Reactor power ascension.
	1315	Reactor power stabilized at 100% RTP.

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COMPLETED BY ME Russo
TELEPHONE 616-697-5100
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UNIT SHUTDOWNS AND POWER REDUCTIONS - JANUARY 1997

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
253	010197	F	N/A	A	N/A	N/A	JK	FC	Reactor power was reduced to 55% RTP 010297 at 0030 to facilitate Main Feedpump control repairs following a controller failure 010197 at 0840. The unit was restored to 100% RTP 010497 at 0530.
254	011097	S	N/A	B	N/A	N/A	N/A	N/A	Reactor power was reduced to 70% RTP 011097 to facilitate planned Steam Generator Stop Valve Dump Valve testing. The unit was restored to 100% RTP 011297 at 1440.

¹
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
Exhibit G - Instructions
for preparation of data
entry sheets for Licensee
Event Report (LER) File
(NUREG 0161)

⁵
Exhibit I: Same Source