

CATEGORY 1

REGULATOR INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana M 05000315
 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 rept for Apr 1997 for DC Cook Nuclear
 Plant Unit 1.W/970502 ltr.

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 TITLE: Monthly Operating Report (per Tech Specs)

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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

May 2, 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 April 1997 is submitted.

Sincerely,

J.R. Sampson
Plant Manager

/mr

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
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N.R.C. OPERATING DATA REPORT

DOCKET NO. 50 - 315
 DATE May 2, 1997
 COMPLETED BY JW Minor
 TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 1
 2. Reporting Period Apr-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	2880.0	195744.0
12. No. of Hrs. Reactor Was Critical	136.6	1555.8	148143.1
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	51.5	1470.5	145679.3
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Thermal Energy Gen. (MWH)	42346.2	4312705.6	430117502.6
17. Gross Electrical Energy Gen. (MWH)	10070.0	1424650.0	139724560.0
18. Net Electrical Energy Gen. (MWH)	8378.0	1371273.0	134422634.0
19. Unit Service Factor	7.2	51.1	75.2
20. Unit Availability Factor	7.2	51.1	75.2
21. Unit Capacity Factor (MDC Net)	1.2	47.6	68.5
22. Unit Capacity Factor (DER Net)	1.1	46.7	66.7
23. Unit Forced Outage Rate	0.0	0.0	5.9

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: None

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

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

Forecast

Achieved

DOCKET NO.
UNIT NAME
DATE
COMPLETED BY
TELEPHONE

50 - 315
D.C. Cook Unit 1
May 2, 1997
JW Minor
616-465-5901

AVERAGE DAILY POWER LEVEL (MWe-Net)

APRIL 1997

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
4/1/97	0	4/17/97	0
4/2/97	0	4/18/97	0
4/3/97	0	4/19/97	0
4/4/97	0	4/20/97	0
4/5/97	0	4/21/97	0
4/6/97	0	4/22/97	0
4/7/97	0	4/23/97	0
4/8/97	0	4/24/97	0
4/9/97	0	4/25/97	0
4/10/97	0	4/26/97	0
4/11/97	0	4/27/97	82
4/12/97	0	4/28/97	20
4/13/97	0	4/29/97	10
4/14/97	0	4/30/97	237
4/15/97	0		
4/16/97	0		

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D.C. Cook Unit 1
May 2, 1997
ME Russo
616-697-5100
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MONTHLY OPERATING ACTIVITIES - APRIL 1997

HIGHLIGHTS

The unit entered this reporting period in Mode 6 with Reactor core reload just completed for the cycle 15 to 16 maintenance and refueling outage.

All refueling and maintenance activities were completed and the Main Turbine Generator was paralleled to the grid April 27 at 0235 EST. The Main Turbine Generator was removed from the grid April 27 at 1814 EST for Main Turbine balancing activities and paralleled back to the grid April 28 at 0539 EST. The Main Turbine Generator was removed from the grid April 28 at 1441 EST for Main Turbine overspeed testing and paralleled back to the grid April 29 at 2110 EST.

The unit exited this reporting period in Mode 1 at 32% RTP ascending.

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

Gross electrical generation for the month of April was 10070 MWh.

DETAILS*

04-03-97	1125	Entered Reactor Mode 5.
04-18-97	0422	Entered Reactor Mode 4.
04-21-97	0030	Entered Reactor Mode 3.
04-25-97	0524	Entered Reactor Mode 2.
	0727	Reactor critical for the first time in Fuel Cycle 16.
04-26-97	2210	Entered Reactor Mode 1.
04-27-97	0235	Main Turbine Generator paralleled to the grid.
	0457	Reactor power stabilized at 24% RTP.
	1117	Reactor power stabilized at 29.5% RTP.
	1430	Commenced power reduction for Main Turbine balancing.
	1814	Tripped Main Turbine Generator. Reactor power stabilized at 3% RTP.
	1905	Reactor power stabilized at 1% RTP.
04-28-97	0007	Reactor power stabilized at 3% RTP.
	0143	Entered Reactor Mode 1.

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MONTHLY OPERATING ACTIVITIES - APRIL 1997

DETAILS* (cont'd)

04-28-97	0202	Reactor power stabilized at 8% RTP.
	0539	Main Turbine Generator paralleled to the grid.
	1407	Reactor power stabilized at 8% RTP.
	1441	Unparalleled Main Turbine Generator from grid for overspeed testing.
04-29-97	0127	Reactor power stabilized at 1% RTP for Main Turbine balancing.
	1402	Entered Reactor Mode 1.
	1505	Reactor power stabilized at 8% RTP.
	2110	Main Turbine Generator paralleled to the grid.
04-30-97	0015	Reactor power stabilized at 25% RTP for Nuclear Instrumentation calibration.
	2259	Reactor power at 32% RTP and ascending.

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

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DATE	May 2, 1997
COMPLETED BY	ME Russo
TELEPHONE	616-697-5100
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UNIT SHUTDOWNS AND POWER REDUCTIONS - APRIL 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.
330	030197	S	626.6	B,C	2	N/A	N/A	N/A	The Reactor was manually tripped for commencement of the cycle 15 to 16 maintenance and refueling outage 030197 at 0312 EST. All refueling and maintenance activities were completed and the Main Turbine Generator was paralleled to the grid 970427 at 0235 EST. Total length of the outage was 1367.4 hrs.
331	042797	S	11.4	B	N/A	N/A	N/A	N/A	The Main Turbine Generator was removed from the grid 042797 at 1814 EST for Main Turbine balancing activities. The Main Generator was paralleled to the grid 042897 at 0539 EST.
332	042897	S	30.5	B	N/A	N/A	N/A	N/A	The Main Turbine Generator was removed from the grid 042897 at 1441 EST for Main Turbine overspeed testing. The Main Generator was paralleled to the grid 042997 at 2110 EST.

1 TYPE: 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 SYSTEM: Exhibit G - Instructions for preparation of data entry sheets for Licensee Event Report (LER) File (NUREG 0161)	5 COMPONENT: Exhibit I: Same Source
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