

CATEGORY 1

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ACCESSION NBR: 9610100277 DOC. DATE: 96/09/30 NOTARIZED: NO DOCKET #
 FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana M 05000315
 AUTH. NAME AUTHOR AFFILIATION
 MINOR, J.W. American Electric Power Co., Inc.
 RUSSO, M.E. American Electric Power Co., Inc.
 SAMPSON, J.R. American Electric Power Co., Inc.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Sept 1996 for DC Cook Nuclear
 Plant Unit 1.W/961002 ltr.

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 TITLE: Monthly Operating Report (per Tech Specs)

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



October 2, 1996

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 1 Technical Specification 6.9.1.10, the
attached Monthly Operating Report for the month of
September 1996 is submitted.

Respectfully,

A handwritten signature in cursive script, reading 'J.R. Sampson'.

J.R. Sampson
Plant Manager

Attachment

c: NRC Region III
D.R. Hahn
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ANI Nuclear Engineering Department
E.E. Fitzpatrick
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N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-315
 DATE 02/Oct/96
 COMPLETED BY JW Minor
 TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 1
 2. Reporting Period Sept 1996 notes
 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
 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	720.0	6576.0	190656.0
12. No. of Hrs. Reactor Was Critical	552.9	6387.0	144379.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	546.7	6366.7	142000.8
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	1518785	19825198	419243078
17. Gross Elect. Energy Gen. (MWH)	493540	6517480	136129850
18. Net Elect. Energy Gen. (MWH)	473733	6283431	130961530
19. Unit Service Factor	75.9	96.8	75.3
20. Unit Availability Factor	75.9	96.8	75.3
21. Unit Capacity Factor (MDC Net)	65.8	95.6	68.5
22. Unit Capacity Factor (DER Net)	64.5	93.7	66.8
23. Unit Forced Outage Rate	24.1	3.2	6.1
24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration): <u>Refueling outage to begin February 28, 1997 for an estimated duration of 48 days.</u>			

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/Oct/96
COMPLETED BY JW Minor
TELEPHONE 616-465-5901

MONTH Sept 1996

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
96/09/01	883	96/09/17	895
96/09/02	880	96/09/18	896
96/09/03	879	96/09/19	896
96/09/04	878	96/09/20	893
96/09/05	877	96/09/21	888
96/09/06	888	96/09/22	0
96/09/07	884	96/09/23	0
96/09/08	879	96/09/24	0
96/09/09	872	96/09/25	0
96/09/10	877	96/09/26	0
96/09/11	870	96/09/27	0
96/09/12	871	96/09/28	0
96/09/13	884	96/09/29	287
96/09/14	895	96/09/30	886
96/09/15	891		
96/09/16	891		

DOCKET NO: 50-315
UNIT NAME: D.C. Cook Unit 1
COMPLETED BY: M.E. Russo
TELEPHONE: 616-697-5100
DATE: October 2, 1996
PAGE: Page 1 of 2

MONTHLY OPERATING ACTIVITIES - SEPTEMBER 1996

HIGHLIGHTS*

The unit entered this reporting period in Mode 1 and stable at 86% RTP.

A Reactor trip occurred September 21, 1996 at 2349 EST as a result of a spurious Main Transformer Sudden Over-Pressure signal most probably induced by a lightning strike.

A descent to Mode 5 was commenced September 24, 1996 at 0020 EST to facilitate two Source Range Detector replacements. Following the detector maintenance, the unit was placed back on line and Reactor power was stabilized at 88.5% RTP September 30, 1996 at 0257 EST.

The unit exited this reporting period in Mode 1 at 88.5% RTP.

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

Gross electrical generation for the month of September was 493540 MWH.

DETAILS*

09-13-96	1445	Commenced power increase to 88% RTP.
	1650	Reactor power stabilized at 88% RTP.
09-21-96	2349	Reactor trip on spurious Main Transformer Sudden Over-Pressure signal.
09-24-96	0020	Entered Mode 4. Commenced mode descent to facilitate Source Range Nuclear Instrumentation detector replacements on channels N-31 and N-32.
	1155	Entered Mode 5.
09-26-96	2007	Entered Mode 4.
09-27-96	1005	Entered Mode 3.
09-28-96	2159	Entered Mode 2.
	2255	Reactor critical.

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PAGE: Page 2 of 2

MONTHLY OPERATING ACTIVITIES - SEPTEMBER 1996

DETAILS (cont'd)*

09-29-96	0133	Entered Mode 1.
	0504	Main Turbine Generator paralleled to the grid.
	0607	Commenced Reactor power ascension from 11% RTP to 30% RTP.
	0807	Reactor power stabilized at 30% RTP.
	1140	Commenced power ascension.
	1530	Reactor power stabilized at 49.5% RTP.
	1815	Placed East Main Feedpump in service and commenced power ascension.
09-30-96	0257	Reactor power stabilized at 88.5% RTP.

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: SEPTEMBER 1996

DOCKET NO: 50-315
UNIT NAME: D.C. COOK UNIT 1;
DATE: October 2, 1996
COMPLETED BY: M.E. Russo
TELEPHONE: 616-697-5100
PAGE: Page 1 of 1

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
328	092196	F	173.3	H	3	96-004	n/a	n/a	At 2349 EST Unit 1 received a Reactor trip signal as a result of a spurious Main Transformer Sudden Over-Pressure signal most probably induced by a lightning strike. An unrelated Source Range Nuclear Instrumentation problem required the replacement of detector N-31. Detector N-32 was replaced also as an elective conservative measure. The Main Generator was paralleled to the grid 092996 at 0504 EST.

1	2	3	4	5
F: Forced S: Scheduled	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)	Method: 1: Manual 2: Manual Scram 3: Automatic Scram 4: Other (Explain)	Exhibit G - Instructions for preparation of data entry sheets for Licensee Event Report (LER) File (NUREG 0161)	Exhibit I: Same Source



10-10-10

10-10-10

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