

ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

REGULATOR INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9210140074 DOC. DATE: 92/09/30 - NOTARIZED: NO DOCKET #
 FACIL: 50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana M 05000316
 AUTH. NAME AUTHOR AFFILIATION
 TURNER, D.G. Indiana Michigan Power Co.
 BLIND, A.A. Indiana Michigan Power Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Sept 1992 for DCP unit 2.W/
 (921005) 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
PD3-1 LA	3 3	PD3-1 PD	1 1
STANG, J	1 1		
INTERNAL: AEOD/DOA	1 1	AEOD/DSP/TPAB	1 1
NRR/DLPQ/LPEB10	1 1	NRR/DOEA/OEAB	1 1
REG FILE 01	1 1	RGN3	1 1
EXTERNAL: EG&G BRYCE, J.H	1 1	NRC PDR	1 1
NSIC	1 1		

NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK.
 ROOM P1-37 (EXT. 504-2065) TO ELIMINATE YOUR NAME FROM DISTRIBUTION
 LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTTR 14 ENCL 14

R
I
D
S
/
A
D
D
S
/
A
D
S

MR
268

Indiana Michigan
Power Company
Cook Nuclear Plant
One Cook Place
Bridgman, MI 49106
616 465 5901



October 5, 1992

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 September 1992 is submitted.

Respectfully,

A. A. Blind
A.A. Blind
Plant Manager

Attachment

c: NRC Region III
D.R. Hahn
R.C. Callen
S. Hamming
J.G. Keppler
INPO Records Center
ANI Nuclear Engineering Department
D.H. Williams, Jr.
E.E. Fitzpatrick
R.L. Simms
W.G. Smith, Jr.
D.A. Georgantis
D.W. Paul
S.H. Steinhart
J.L. Leichner
J.A. Isom
D.G. Turner
E.A. Smarrella
J.C. Krieger
B.A. Svensson
D.F. Krause
E.C. Schimmel

140015

9210140074	920930
PDR	ADOCK 05000316
R	PDR

IE24
1/1

N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-316
 DATE 01-Oct-92
 COMPLETED BY DG Turner
 TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 2
2. Reporting Period September 92
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
8. If Changes Occur in Capacity Ratings (Items no. 3 through 7) Since Last Report Give Reasons _____

notes

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	129288.0
12. No. of Hrs. Reactor Was Critical	218.0	2412.4	85600.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	149.6	1415.6	83015.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	257569	4029629	256724262
17. Gross Elect. Energy Gen. (MWH)	66150	1229820	83497970
18. Net Elect. Energy Gen. (MWH)	61300	1181454	80426326
19. Unit Service Factor	20.8	21.5	65.4
20. Unit Availability Factor	20.8	21.5	65.4
21. Unit Capacity Factor (MDC Net)	8.0	16.9	59.7
22. Unit Capacity Factor (DER Net)	7.7	16.3	58.1
23. Unit Forced Outage Rate	79.2	59.1	14.8
24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration):			

25. If Shut Down At End of Report Period, Estimated Date of Startup: 0921204

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. 50-316
UNIT TWO
DATE 01-Oct-92
COMPLETED BY DG Turner
TELEPHONE 616-465-5901

MONTH September 92

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	0	17	0
2	43	18	0
3	204	19	0
4	362	20	0
5	392	21	0
6	402	22	0
7	610	23	0
8	540	24	0
9	0	25	0
10	0	26	0
11	0	27	0
12	0	28	0
13	0	29	0
14	0	30	0
15	0	31	0
16	0		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: September 1992

DOCKET NO: 50-316
UNIT NAME: D.C. COOK UNIT 2
DATE: October 1, 1992
COMPLETED BY: G.J. Costello
TELEPHONE: (616) 465-5901

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
224 Cont'd	920701	F	39.4	B	1	N/A	N/A	N/A	The unit was shut down on 920701 to investigate the cause for the high turbine generator vibrations. Following extensive vibration analysis and balancing the generator was paralleled to the system grid at 1525 hours on 920902 to continue the vibration evaluation. Total length of the outage was 1,510.3 hours.
225	920908	F	531.0	B	1	N/A	N/A	N/A	Due to the continued high main turbine generator vibrations during the reactor power increase, the unit was shutdown from 86% RTP. The generator rotor has been removed and transported to the ABB facility in Richmond, Virginia for testing and repairs as required.

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

DOCKET NO: 50-316
UNIT NAME: D.C. Cook Unit 2
COMPLETED BY: G.J. Costello
TELEPHONE: (616) 465-5901
DATE: October 1, 1992
PAGE: 1 of 2

MONTHLY OPERATING ACTIVITIES - SEPTEMBER 1992

HIGHLIGHTS

The unit entered this reporting period in Mode 2 with the reactor critical and reactor power being maintained as required to support the turbine generator vibration evaluation and balancing efforts.

The turbine generator was paralleled to the grid on September 2 at 1525 followed by a reactor power increase to 29% RTP. On September 4 the reactor power was increased to 49% RTP and stabilized for flux mapping. On September 6 reactor power was increased to 70% RTP and stabilized for flux mapping. On September 7 during a reactor power increase from 70% RTP, the reactor power increase was stopped at 86% RTP due to high main turbine generator vibrations. In response to the high vibrations, a reactor power reduction was commenced. At 8% RTP the main turbine generator was tripped.

To complete further evaluation of the main turbine generator vibrations, the generator rotor has been removed and transported to the ABB facility in Richmond, Virginia for testing and repairs as required.

The unit ended this reporting period in Mode 5, cold shutdown.

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

Gross electrical generation for the month of September was 66150 MWH.

DETAILS

9-2-92	0330	Entered Mode 1.
	1525	Turbine Generator paralleled to the grid.
	1605	Commenced reactor power increase.
	1955	Stabilized reactor power at 29% power.
9-3-92	1612	Commence reactor power increase.
9-4-92	1345	Stabilized reactor power at 49% power for flux mapping.
9-6-92	2000	Commence reactor power increase.

DOCKET NO: 50-316
UNIT NAME: D.C. Cook Unit 2
COMPLETED BY: G.J. Costello
TELEPHONE: (616) 465-5901
DATE: October 1, 1992
PAGE: 2 of 2

MONTHLY OPERATING ACTIVITIES - SEPTEMBER 1992

9-7-92	1153	Stabilized reactor power at 70% for flux mapping.
	2155	Commence reactor power increase.
9-8-92	1547	Stopped power increase at 86% power due to increased main turbine generator vibrations.
	1613	Commence reactor power reduction.
	1738	Stabilized reactor power at 33% to evaluate main turbine generator vibrations.
	2010	Commence power decrease due to main turbine generator vibrations.
	2100	Stabilized reactor power at 8% and tripped the main turbine.
9-9-92	1543	Commenced reactor power reduction.
	1609	Entered Mode 2.
9-10-92	0205	The RCS is in Mode 3.
9-17-92	2325	The RCS is in Mode 4.
9-24-92	0339	The RCS is in Mode 5.

DOCKET NO: 50-316
UNIT NAME: D.C. Cook Unit 2
COMPLETED BY: E.C. Schimmel
TELEPHONE: (616) 465-5901
DATE: October 5, 1992
PAGE: 1 of 1

MAJOR SAFETY-RELATED MAINTENANCE - September 1992

There were no major safety-related maintenance items during the month of September.