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REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8811180051 DOC. DATE: 88/10/31 NOTARIZED: NO DOCKET #
 FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana & 05000315
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SUBJECT: Monthly operating rept for Oct 1988. W/881107 ltr.

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10/31

N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-315
 DATE 01-NOV-88
 COMPLETED BY H. Giles
 TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 1 -----
 2. Reporting Period OCT 88 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	745.0	7320.0	121272.0
12. No. of Hrs. Reactor Was Critical	672.8	6997.4	88835.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	660.0	6961.9	87199.4
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	1854946	20101392	253100390
17. Gross Elect. Energy Gen. (MWH)	589160	6465680	82610350
18. Net Elect. Energy Gen. (MWH)	564727	6211779	79442777
19. Unit Service Factor	88.6	95.1	73.1
20. Unit Availability Factor	88.6	95.1	73.1
21. Unit Capacity Factor (MDC Net)	74.3	83.2	65.3
22. Unit Capacity Factor (DER Net)	73.6	82.4	63.3
23. Unit Forced Outage Rate	11.4	4.4	8.1

24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration):
 Unit 1 Cycle 10-11 Refueling outage is currently scheduled to begin
 February 15, 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

8811180051 881031
 PDR ADDCK 05000315
 R PNU

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 1/1

AVERAGE DAILY POWER LEVEL (MWe-Net)

DOCKET NO. 50-315
 UNIT ONE
 DATE 01-NOV-88
 COMPLETED BY H. Giles
 TELEPHONE 616-465-5901

MONTH OCT 88

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	896	17	898
2	899	18	899
3	899	19	539
4	900	20	231
5	898	21	829
6	896	22	902
7	897	23	901
8	897	24	899
9	899	25	900
10	896	26	899
11	564	27	903
12	0	28	903
13	0	29	903
14	61	30	903
15	616	31	902
16	900		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH OCTOBERDOCKET NO. 50-315UNIT NAME D.C. Cook Unit 1DATE 11-07-88COMPLETED BY J.W. HarnerTELEPHONE (616) 465-5901

Page 1 of 2

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
273	881011	F	68.1	H	1	88-010-00	CJ	XXXXXX	The unit was shutdown as a precautionary measure due to concerns with the environmental qualifications of the reactor vessel head vent and the pressurizer steam space vent solenoid valves conduit installation being less than optimum. A design change was implemented to correct the conduit installation to meet environmental qualification requirements. The unit was returned to service 10-14-88 at 1748 hrs and reached 90% power (administrative power limit) on 10-15-88.

1
F: Forced
S: Scheduled

2
Reason:
A-Equipment Failure (Explain)
B-Maintenance of 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)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH OCTOBER

DOCKET NO. 50-315
 UNIT NAME D.C. Cook Unit 1
 DATE 11-07-88
 COMPLETED BY J.W. Harner
 TELEPHONE (616) 465-5901

Page 2 of 2

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
274	881019	F	16.9	A	3	88-011-00	IA	XXXXXX	A reactor trip occurred, caused by a spurious reactor coolant pump breaker open indication (1 trip coincidence) that was induced by a failed power available bulb on a solid state protection system cabinet. After repairs the unit was returned to service on 10-20-88 at 0820 hours and reached 90% power (administrative power limit) on 10-21-88.

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)

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 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: 50-315
UNIT NAME: D. C. Cook Unit 1
COMPLETED BY: J. W. Harner
TELEPHONE: (616) 465-5901
DATE: Nov. 7, 1988
PAGE: 1 of 2

MONTHLY OPERATING ACTIVITIES - OCTOBER 1988

HIGHLIGHTS:

The unit entered the reporting period at the administrative power limit of 90%. On October 10, 1988 the unit was shut down as a precautionary measure due to concerns with the environmental qualifications of the reactor vessel head vent and the pressurizer steam space vent solenoid valves conduit installation being less than optimum. A design change was implemented to correct the conduit installation to meet environmental qualification requirements. The unit was returned to service 10-14-88 at 1748 hrs and reached 90% power (administrative power limit) on 10-15-88.

On October 19, 1988 a reactor trip occurred, caused by a spurious reactor coolant pump breaker open indication (1/4 trip coincidence) that was induced by a failed power available bulb on a solid state protection system cabinet. After repairs the unit was returned to service on 10-20-88 at 0820 hours and reached 90% power (administrative power limit) on 10-21-88.

The reporting period ended with the unit operating at the 90% administrative power limit.

Gross electrical generation for the month of October, 1988 was 589,160 MWH.

DETAILS

- 10-11-88 1045 Started reactor shutdown due to environmental concerns with the reactor vessel head vent and pressurizer steam space vent solenoid valves conduit installation.
- 1048 During the shutdown the normal boration lines were found to be inoperable due to blockage.
- 1146 The questioned vent valves were tagged closed and de-energized to comply with the technical specification action statement.
- 2140 Turbine generator removed from parallel by manual turbine trip.
- 2208 RCS entered Mode 3.

10-12-88 0645 Reactor coolant system cooldown was stopped at approximately 360°F.

10-14-88 1046 Reactor critical.
1748 Unit paralleled to the grid.

10-15-88 2055 Reactor power at 90%.

10-19-88 1522 Reactor trip occurred caused by a spurious reactor coolant pump breaker open indication.

10-20-88 0252 Reactor critical.
0820 Unit paralleled to the grid.
1720 Reactor power held at 48% for excessive quadrant power tilt ratio.
2223 Resumed reactor power ascension to 90%.

10-21-88 1040 Reactor power at 90%.

10-24-88 1715 The incore flux detector thimble tube leak detection system started alarming (The thimble J-1 was determined to be leaking. The tube was cut and capped on 10-25-88 which provided complete isolation of leak).

DOCKET NO.	50-315
UNIT NAME	<u>D. C. Cook - Unit No. 1</u>
DATE	<u>Nov. 7, 1988</u>
COMPLETED BY	<u>J. W. Harner</u>
TELEPHONE	<u>(616) 465-5901</u>
PAGE	<u>1 of 1</u>

MAJOR SAFETY-RELATED MAINTENANCE

OCTOBER 1988

- 1-M-1 The secondary side manway cover of the No. 4 steam generator was leaking. Leak repair was successfully performed by Furmanite injection.
- 1-M-2 Leak on incore flux detector thimble J-1 was repaired by cutting and capping the thimble tube.
- 1-I&C-1 724030: The 1CD-2 battery charger will not maintain load and voltage.

Found the current control module to be defective. Replaced module and adjusted the voltage.
- 1-I&C-2 735597: The quick exhaust valve on XRV-221 starting air valve on Unit 1AB diesel generator has a gasket leak.

Replaced with a new one.
- 1-I&C-3 735541: The 1CD diesel generator trip control cylinder is fully extended with no trip signal to energize.

Found regulator defective and replaced with a new one.

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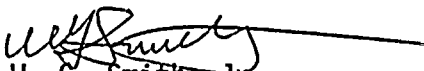
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November 7, 1988

Gentlemen:

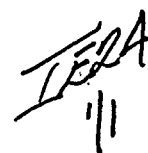
Pursuant to the requirements of Donald C. Cook Nuclear Plant Unit 1
Technical Specification 6.9.1.10, the attached Monthly Operating
Report for the month of October 1988 is submitted.

Sincerely,


W. G. Smith, Jr.
Plant Manager

WGS/jd

cc: D. H. Williams, Jr.
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