

N.R.C. OPERATING DATA REPORT

DOCKET NO.

50-315

DATE 01-May-90

COMPLETED BY WT Gillett

TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 1
2. Reporting Period April-90
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 _____

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	719.0	2879.0	134375.0
12. No. of Hrs. Reactor Was Critical	719.0	2816.2	99258.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	719.0	2811.3	97500.3
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	2267944	8972418	283860437
17. Gross Elect. Energy Gen. (MWH)	735480	2917400	92489630
18. Net Elect. Energy Gen. (MWH)	708769	2813637	88945465
19. Unit Service Factor	100.0	97.6	73.7
20. Unit Availability Factor	100.0	97.6	73.7
21. Unit Capacity Factor (MDC Net)	96.6	95.8	65.9
22. Unit Capacity Factor (DER Net)	95.7	94.9	64.0
23. Unit Forced Outage Rate	0.0	0.0	7.4

24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration):
Refueling outage to begin October 12, 1990 for an estimated duration of 75 days.

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

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

	Forecast	Achieved
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INITIAL CRITICALITY
INITIAL ELECTRICITY
COMMERCIAL OPERATION

9005180101 900507
PDR ADOCK 05000315
R PDC

AVERAGE DAILY POWER LEVEL (MWe-Net)

DOCKET NO. 50-315
 UNIT ONE
 DATE 01-May-90
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MONTH April-90

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	1019	17	1020
2	1021	18	1019
3	1020	19	1019
4	857	20	1020
5	815	21	1019
6	1018	22	1019
7	1018	23	1021
8	1019	24	1018
9	1019	25	1018
10	1020	26	1019
11	1021	27	1019
12	1019	28	1006
13	1018	29	688
14	1019	30	684
15	1020	31	0
16	1020		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: April 1990

DOCKET NO: 50-315
UNIT NAME: D.C. COOK UNIT 1
DATE: May 7, 1990
COMPLETED BY: E.C. Schimmel
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
284	04/04/90	F	0	B	4	N/A	HF	HTEXCH	Unit power was reduced to 56% starting 1500 hours on 900404 for cleaning of the east and west main feed pump turbine condensers. Unit power was then increased starting 0310 hours on 900405 and was held at 87% for main turbine control valve testing. Unit power was restored to 100% at 2120 hours on 900505.
285	03/29/90	S	0	F	4	N/A	ZZ	ZZZZZZ	Unit power was reduced to 70% at 2240 hours on 900428 for fuel cycle extension until the beginning of the scheduled refueling outage.

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

DOCKET NO: 50-315
UNIT NAME: D.C. Cook Unit 1
COMPLETED BY: E.C. Schimmel
TELEPHONE: (616) 465-5901
DATE: May 4, 1990
PAGE: 1 of 1

MONTHLY OPERATING ACTIVITIES - April 1990

HIGHLIGHTS

The unit entered the reporting period at 100% Rated Thermal Power. A power reduction was required from 1500 hours April 4, 1990, to 2120 hours April 5, 1990, to allow cleaning of the east and west main feedpump turbine condensers.

On April 29, 1990, at 2240 hours, a power reduction to 70% Rated Thermal Power was initiated for fuel cycle extension to the scheduled beginning of the refueling outage. The unit exited the reporting period at 70% Rated Thermal Power.

Gross electrical generation for the month of April was 735480 MWH.

DETAILS

04/04/90 1500 Commenced unit power reduction to 56% RTP.

1923 Unit is at 56% RTP to allow for cleaning of the east and west main feedpump turbine condensers.

04/05/90 0310 Commenced unit power increase to 87% RTP.

1315 Unit is at 87% for testing of main turbine control valves.


1615 Commenced unit power increase to 100% RTP.

2120 Unit is at 100% RTP.

04/28/90 2240 Commenced unit power reduction to 70% RTP.

04/29/90 0206 Unit is at 70% RTP to extend core life to the scheduled beginning of the refueling outage.

The diagram shows two rectangular boxes. The first box is labeled "Stage 1" and has an input labeled "x" on its left side and an output labeled "y" on its right side. The second box is labeled "Stage 2" and has an input labeled "y" on its left side and an output labeled "z" on its right side. A horizontal line connects the output "y" of Stage 1 to the input "y" of Stage 2, indicating a sequential process.



$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx$

1. The first part of the document is a letter from the author to the editor, dated 10/10/1961. The letter discusses the author's interest in the topic of the journal and mentions that the author has been working on a paper related to the topic for some time. The author also mentions that the paper is being submitted to the journal and that the author is hoping that the editor will find it interesting and useful.

[illegible][illegible]

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UNIT NAME: D.C. Cook Unit 1
COMPLETED BY: E.C. Schimmel
TELEPHONE: (616) 465-5901
DATE: May 4, 1990
PAGE: 1 of 1

MAJOR SAFETY-RELATED MAINTENANCE - April 1990

1-M-1 Replaced Snubber 1-GRC-C-519, pressurizer spray line support.

