

N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-316
 DATE 01-Apr-91
 COMPLETED BY WT GILLETT
 TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 2
 2. Reporting Period MAR.91
 3. Licensed Thermal Power (Mwt) 3411
 4. Name Plate Rating (Gross MWe) 1133
 5. Design Electrical Rating (Net MWe) 1100
 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	744.0	2160.0	116112.0
12. No. of Hrs. Reactor Was Critical	691.7	2107.7	77242.6
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	686.4	2102.4	75688.3
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	2241782	6885186	233052239
17. Gross Elect. Energy Gen. (MWH)	738100	2271720	76058560
18. Net Elect. Energy Gen. (MWH)	712823	2193907	73252874
19. Unit Service Factor	92.3	97.3	66.5
20. Unit Availability Factor	92.3	97.3	66.5
21. Unit Capacity Factor (MDC Net)	90.4	95.8	60.7
22. Unit Capacity Factor (DER Net)	87.1	92.3	59.1
23. Unit Forced Outage Rate	7.7	2.7	13.3
24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration):			

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)

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UNIT TWO
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MONTH MAR.91

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	1091	17	666
2	1079	18	1069
3	1081	19	1091
4	1085	20	1089
5	1087	21	1083
6	1090	22	1093
7	1086	23	1086
8	1090	24	1092
9	1092	25	1083
10	1090	26	1082
11	1092	27	1088
12	1090	28	1098
13	314	29	1097
14	0	30	1048
15	62	31	1089
16	417		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: March 1991

DOCKET NO: 50-316
 UNIT NAME: D.C. COOK UNIT 2
 DATE: April 3, 1991
 COMPLETED BY: E.C. Schimmel
 TELEPHONE: (616) 465-5901

NO.	DATE	TYPE ¹	DURATION HOURS	REASON ²	MEIHD OF SHUTTING DOWN REACTOR ³	LICENSEE EVENT REPORT NO.	SYSTEM CODE ⁴	COMPONENT CODE ⁵	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
214	910313	F	57.7	H	3	91-003-00	ZZ	ZZZZZZ	A turbine/reactor trip occurred at 0651 hours on 910313 during a severe system electrical disturbance caused by downed 345 KV and 765 KV transmission lines during an ice storm. The turbine trip was initiated by the moisture separator high level trip. The return to power was delayed due to an unexplained overspeed trip on the turbine driven auxiliary feedpump. The unit was returned to service at 1631 hours on 910315. A study of the system disturbance induced trip is being initiated.

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: E.C. Schimmel
TELEPHONE: (616) 465-5901
DATE: April 3, 1991
PAGE: 1 of 2

MONTHLY OPERATING ACTIVITIES - March 1991

HIGHLIGHTS

The unit entered the reporting period at 100% Rated Thermal Power. A turbine/reactor trip occurred at 0651 hours on 910313 during a severe system electrical disturbance caused by downed 345 KV and 765 KV transmission lines during an ice storm. The turbine trip was initiated by the moisture separator high level trip. The return to power was delayed due to an unexplained overspeed trip on the turbine driven auxiliary feedpump. The unit was returned to service at 1631 hours on 910315. A study of the system disturbance induced trip is being initiated. The unit exited the reporting period at 100% Rated Thermal Power.

Gross electrical generation for the month of March was 738100 MWH.

DETAILS

03/13/91 0651 A unit trip occurred from high moisture separator level. The transient was initiated by a system electrical disturbance caused by downed transmission lines.

03/15/91 1022 Commenced reactor startup.

1113 The reactor is critical.

1258 The reactor is in Mode 1.

1631 The main generator is paralleled to the system power grid. Commenced unit power increase to 45% RTP.

03/16/91 0348 The unit is at 45% RTP. Unit power is being held at 45% RTP per the system power dispatcher.

0735 Released by system dispatcher to increase power. Commenced unit power increase to 90% RTP.

1931 The unit is at 90% RTP. Unit power is being held at 90% RTP for main turbine valve testing.

Monthly Operating Activities - page 2 of 2

- 03/17/91 0103 Main turbine valve testing is complete. Commenced unit power increase to 97% RTP.
- 0420 The unit is at 97% RTP. Unit power is being held at 97% RTP to investigate a 2% mismatch in power range nuclear instrumentation indications.
- 0501 The 2% mismatch in power range nuclear instrumentation indications is resolved. Commencing unit power increase to 100% RTP.
- 0533 The unit is at 100% RTP.

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MAJOR SAFETY-RELATED MAINTENANCE - March 1991

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