

N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-315

DATE 04-Jun-91

COMPLETED BY WT GILLET

TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 1
2. Reporting Period MAY, 91
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	744.0	3623.0	143879.0
12. No. of Hrs. Reactor Was Critical	610.7	2704.7	106091.7
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	528.8	2521.1	104149.9
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	1629355	7793111	303222759
17. Gross Elect. Energy Gen. (MWH)	524730	2519180	98650410
18. Net Elect. Energy Gen. (MWH)	505299	2426954	94860427
19. Unit Service Factor	71.1	69.6	73.4
20. Unit Availability Factor	71.1	69.6	73.4
21. Unit Capacity Factor (MDC Net)	66.6	65.7	65.6
22. Unit Capacity Factor (DER Net)	65.9	65.0	63.7
23. Unit Forced Outage Rate	15.6	3.7	7.0
24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration):	None		

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 ONE
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MONTH MAY, 91

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	0	17	830
2	0	18	1064
3	0	19	1023
4	0	20	1018
5	10	21	1018
6	445	22	1022
7	1000	23	1017
8	1019	24	1016
9	1016	25	1013
10	1019	26	1015
11	1017	27	1012
12	314	28	1011
13	0	29	1011
14	0	30	1000
15	0	31	1007
16	139		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: May 1991

DOCKET NO: 50-315
 UNIT NAME: D.C. COOK UNIT 1
 DATE: June 5, 1991
 COMPLETED BY: E.C. Schimmel
 TELEPHONE: (616) 465-5901
 PAGE: 1 of 2

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
293	910420 cont.	S	117.4	B	1	N/A	EA	TRANSF	The unit was removed from service at 0230 hours on 910420 for main transformer inspection. The inspection was completed and the unit returned to service on 910505 at 2121 hours. 100% RTP was reached at 0547 hours on 910507.
294	910512	F	97.8	A	3	91-004	HA	INSTRU	The unit tripped at 0826 hours on 910512 due to an undervoltage condition on the reactor coolant pump (4KV) buses. The undervoltage condition occurred when the main generator voltage regulator unexpectedly transferred from auto to manual during testing to demonstrate generator reactive power limits. The transfer was determined to have been caused by a defective (continued)

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: May 1991

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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
294 cont.	910512	F	97.8	A	3	91-004	HA	INSTRU	generator exciter overcurrent limiting device. The current limiting device will be replaced as soon as a replacement is available. In the interim, administrative limits have been imposed to ensure that the overcurrent limiter will not function inadvertently. The unit was returned to service on 910516 at 1011 hours and 100% RTP was reached at 2018 hours on 910517.

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)	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 (IER) File (NUREG 0161)	5 Exhibit I: Same Source
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MONTHLY OPERATING ACTIVITIES - May 1991

HIGHLIGHTS

The unit entered the reporting period in Mode 3. A unit startup commenced at 0710 hours on 910503. The main generator was paralleled to the system power grid at 2121 hours on 910505. 100% RTP was reached at 0547 hours on 910507. A reactor trip occurred at 0826 hours on 910512, due to a malfunction of the main generator auto voltage regulator. After repairs were completed, a unit startup commenced at 1235 hour on 910515. The main generator was paralleled at 1011 hours on 910516. 100% RTP was achieved at 2018 hours on 910517. The unit exited the reporting period at 100% RTP.

Gross electrical generation for the month of May was 524730 MWH.

DETAILS

05/03/91	0710	Commenced reactor startup.
	0823	The reactor is critical.
05/05/91	1525	The reactor is in Mode 1.
	2121	The main generator is paralleled to the grid.
05/06/91	0032	Holding power at 29% RTP for chemistry hold.
	0724	Commence unit power increase to 100% RTP.
05/07/91	0547	The unit is at 100% RTP.
05/12/91	0826	Reactor trip on RCP bus undervoltage condition caused by a malfunction of the main generator auto voltage regulator.
05/15/91	1235	Commenced reactor startup.
	1316	The reactor is critical.
05/16/91	0414	The reactor is in Mode 1.
	1011	The main generator is paralleled to the grid. Commencing power increase to 18% RTP.

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Monthly operating activities (cont.)

1405	Holding unit power at 18% RTP for calibration of the power range nuclear instrumentation.
1520	Commenced unit power increase to 100% RTP.
05/17/91 2018	The unit is at 100% RTP.

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MAJOR SAFETY-RELATED MAINTENANCE - May 1991

- 1-M-1 The auxiliary building supply ventilation unit 1-HV-AES-2 motor breaker tripped open and its motor wiring termination was excessively hot during operation. The problem was determined to be a loose wiring connection which caused excessive heat, damaging both the motor and its power feed cable. The motor and power cable were replaced and the fan was restored to operability.