

N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-315
 DATE 01-Aug-89
 COMPLETED BYT. W. Everett
 TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 1 -----
 2. Reporting Period July 89 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	744.0	5087.0	127823.0
*12. No. of Hrs. Reactor Was Critical	687.2	*2497.5	*92769.2
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	592.6	2397.1	91016.0
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	1663745	5796807	263003222
17. Gross Elect. Energy Gen. (MWH)	524390	1824650	85742850
18. Net Elect. Energy Gen. (MWH)	502307	1738498	82437287
19. Unit Service Factor	79.7	47.1	72.3
20. Unit Availability Factor	79.7	47.1	72.3
21. Unit Capacity Factor (MDC Net)	66.2	33.5	64.2
22. Unit Capacity Factor (DER Net)	65.5	33.2	62.2
23. Unit Forced Outage Rate	10.7	3.9	7.9
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

* Includes .7 hour for reactor startup on June 30, 1989, inadvertently omitted from the June, 1989, report.

AVERAGE DAILY POWER LEVEL (MWe-Net)

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 UNIT ONE
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MONTH July 89

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	0	17	985
2	0	18	982
3	0	19	991
4	157	20	1008
5	73	21	997
6	0	22	967
7	0	23	1000
8	71	24	999
9	342	25	996
10	365	26	993
11	579	27	989
12	755	28	986
13	916	29	959
14	944	30	998
15	930	31	999
16	950		

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UNIT NAME: D. C. Cook Unit 1
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MONTHLY OPERATING ACTIVITIES - JULY, 1989

HIGHLIGHTS

The unit entered the reporting period with the reactor critical in Mode 2 with low power physics testing in progress. The low power physics testing was completed on July 2, 1989. Initial attempts to parallel the unit were unsuccessful due to a wiring problem, resulting in a false MVAR indication. The unit was successfully paralleled to the system at 0444 hours on July 4, 1989, and loaded to 30% power for turbine warming prior to overspeed testing.

On July 4, 1989, the turbine generator was unloaded and the generator removed from parallel to perform the scheduled turbine overspeed testing. The unit's return to power was precluded by the discovery of incomplete post-maintenance testing of #12 RCP seal injection check valve, 1-CS-442-2, and the upper containment west train spray ring header supply check valve, 1-CTS-131W. This necessitated a RCS cooldown to Mode 5, Cold Shutdown, to establish permissible test conditions. The testing was performed satisfactorily, the RCS returned to normal operating conditions, and the unit paralleled with the system at 1422 hours on July 8, 1989. The unit power was increased per the power escalation testing program and reached 100% power on July 16, 1989, with the unit operating at the reduced temperature and pressure conditions. The unit exited the reporting period at 100% power.

Gross electrical generation for the month of July was 524390 MWH.

DETAILS

7/2/89	2001	Reactor entered Mode 1.
7/3/89	0518	Reactor returned to Mode 2.
	1910	Reactor re-entered Mode 1.
7/4/89	0444	Unit was paralleled to the system.
7/5/89	1142	Unit was removed from the system to perform main turbine overspeed testing.
	1508	Main turbine overspeed testing completed satisfactorily.
	1545	Commenced reactor shutdown.
	1605	Unusual Event declared due to unit shutdown per TS LCO 3.6.1.1

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MONTHLY OPERATING ACTIVITIES - JULY, 1989 (continued)

DETAILS (continued)

7/6/89	0132	Opened reactor trip breakers, reactor in Mode 3.
	0305	RCS entered Mode 4 being cooled down.
	0909	RCS entered Mode 5, Unusual Event terminated.
7/7/89	0647	RCS entered Mode 4 being heated up.
	1519	RCS entered Mode 3.
7/8/89	0615	Reactor is critical.
	1150	Reactor entered Mode 1.
	1422	Unit was paralleled to the system.
7/16/89	1911	Reactor at 100% RTP.
7/20/89	1523	Declared an Unusual Event, boron injection tank boron concentration less than the TS limit per LCO 3.5.4.1.
	1616	Unusual Event terminated.
7/21/89	2200	Commenced power reduction from 100% for main turbine stop and control valve testing.
7/22/89	0100	Reactor at 80.5 RTP.
	0300	Commenced power increase.
	0722	Reactor at 100% RTP.
7/28/89	2320	Commenced power reduction from 100% for main turbine stop and control valve testing.
	0118	Reactor at 85% RTP.
	0415	Commenced power increase.
	0927	Reactor at 100% RTP.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: JULY, 1989

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NO.	DATE	T Y P E ₁	D H O U R S A T I O N	R E A S O N ₂	M E T H O D O F S H U T D O W N I N G R E A C T O R ₃	LICENSEE EVENT REPORT #	S C Y O S D T E ₄ M	C O M P O N E N T ₅	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
279 cont.	890318	S	76.7	B&C	1	N/A	ZZ	ZZZZZZ	The unit was removed from service on 890318 for Cycle XI refueling and maintenance outage. Startup testing and low power physics testing were completed and the unit was paralleled to the system at 0444 hours on 890704.
280	890705	S&F	74.7	B	1	89-009-00	ZZ	ZZZZZZ	The unit was removed from service at 1142 890706 to begin overspeed testing of the turbine generator. Upon discovery of incomplete post-maintenance testing of #12 RCP seal injection valve, 1-CS-442-2, and the upper containment west west train spray ring check valve, 1-CTS-131W (both are containment isolation check valves). The unit was cooled down to Mode 5 to establish permissible test conditions. Testing was performed satisfactorily, and the unit paralleled with the system at 1422 890708.

¹ F: Forced
 S: Scheduled

² Reason:
 A: Equipment Failure (Explain)
 B: Maintenance or Test
 D: Refueling
 E: Regulatory Restriction
 F: Operator Training &
 License Examination
 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