N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-316
DATE 2/1/88
COMPLETED BY Michaelson
TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 2
2. Reporting Period JAN 88
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

notes

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	744.0	88392.0
12. No. of Hrs. Reactor Was Critical	744.0	744.0	61623.6
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	744.0	744.0	60238.9
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	2039814	2039814	184195211
17. Gross Elect. Energy Gen. (MWH)	667470	667470	60144090
18. Net Elect. Energy Gen. (MWH)	641192	641192	57902592
19. Unit Service Factor	100.0	100.0	70.1
20. Unit Availability Factor	100.0	100.0	70.1
21. Unit Capacity Factor (MDC Net)	81.3	81.3	63.6
22. Unit Capacity Factor (DER Net)	78.3	78.3	62.0
23. Unit Forced Outage Rate	0.0	0.0	14.9

24. Shutdowns Scheduled over Next Six Months (Type,Date,and Duration):
Steam generator replacement outage to begin on April 23, 1988 for an estimated duration of 225 days.

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

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

	Forcast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

AVERAGE DAILY POWER LEVEL (MWe-Net)

DOCKET NO. 50-316
UNIT TWO
DATE 2/1/88
COMPLETED BY Michaelson
TELEPHONE 616-465-5901

MONTH JAN 88

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	865	17	864
2	863	18	863
3	865	19	861
4	863	20	864
5	861	21	858
6	861	22	863
7	863	23	862
8	864	24	863
9	858	25	862
10	861	26	860
11	862	27	862
12	866	28	861
13	861	29	855
14	861	30	857
15	861	31	864
16	863		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January 1988

DOCKET NO. 50-316
UNIT NAME D.C. Cook Unit 2
DATE 2-8-88
COMPLETED BY A.S. Puplis
TELEPHONE 616-465-5901

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
NONE									There were no Unit shutdowns or significant power reductions during the month. The unit has operated at a nominal 80% power limit administratively imposed to minimize steam generator tube degradation.

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)

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)

DOCKET NO: 50-316
UNIT NAME: D.C. Cook Unit 2
COMPLETED BY: A. S. Puplis
TELEPHONE: (616) 465-5901
DATE: February 5, 1988
PAGE: 1 of 1

MONTHLY OPERATING ACTIVITIES - JANUARY 1988

HIGHLIGHTS

The reporting period began and ended with the unit in Mode 1 at 80% of rated thermal power.

Gross electrical generation was 667,470 MWH for the month.

SUMMARY

01-18-88 At 0321, 2AB Emergency Diesel failed to start from the Control Room and was declared inoperable.

Evaluation of the investigation findings determined the cause of the failure to start was a stuck open starting air valve(s). All starting air valves were replaced since it was not known which cylinder(s) the engine was lined up to initially. Upon removal, all 12 starting air check valves were checked and found to be operating satisfactorily. It is likely that the stuck valve(s) was/were freed when the engine was started on a different cylinder (due to the pressure buildup).

2 AB Emergency Diesel Generator was declared operable at 2225 on 1-18-88.

DOCKET NO.	50-316
UNIT NAME	D.C.Cook-Unit No. 2
DATE	February 5, 1988
COMPLETED BY	A. S. Puplis
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PAGE	1 of 1

MAJOR SAFETY-RELATED MAINTENANCE

JANUARY 1988

I&C #1 027567--ECR-536, the post accident sampling containment gas space isolation valve, would not open.

Found the coil in ASCO solenoid valve XSO-1536 to be defective. Replaced defective coil with new coil and verified proper valve operation.

I&C #2 013213--Pressurizer pressure channels NPP-151 and NPP-152 indicated a 20 psig difference between channels I and II.

Channel reading in protection racks revealed that channel I read 20 PSI lower than channel II. Found amplifier in pressure transmitter NPP-151 to be defective. Replaced defective amplifier with new amplifier and recalibrated as per 2 THP 6030 IMP.215. Found indicator NPP-152 to be out of specifications 10 PSIG high. Recalibrated indicator as per 2 THP 6030 IMP.215. Found pressure transmitter NPP-152 to be out of specifications high 3.1%. Recalibrated pressure transmitter PP-152 as per 2 THP 6030 IMP.215. All three channels of pressurizer pressure now read within allowable specifications.

M-1 013531--2-VCR-10 (Ice Condenser Refrigeration Glycol Supply Header Train 'A' Containment Isolation Valve) would not operate due to a ruptured diaphragm. The diaphragm was replaced and the valve tested satisfactorily.

M-2 013734--The AB Diesel Generator failed to start for a surveillance run. A starting air valve was found to be stuck open. All the starting air valves were replaced and the engine started satisfactorily.