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ACCESSION NBR:8803300322 DOC.DATE: 88/02/29 NOTARIZED: NO DOCKET #
 FACIL:50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana & 05000316
 AUTH.NAME AUTHOR AFFILIATION
 MICHAELSON Indiana Michigan Power Co. (formerly Indiana & Michigan Ele
 SMITH,W.G. Indiana Michigan Power Co. (formerly Indiana & Michigan Ele
 RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Feb 1988.W/880304 ltr.

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N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-316

DATE 02-Mar-88

COMPLETED BY Michaelson

TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 2 -----
 2. Reporting Period Feb-88 notes
 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 _____

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	696.0	1440.0	89088.0
12. No. of Hrs. Reactor Was Critical	696.0	1440.0	62319.6
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator on Line	696.0	1440.0	60934.9
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Therm. Energy Gen. (MWH)	1900060	3939875	186095272
17. Gross Elect. Energy Gen. (MWH)	622010	1289480	60766100
18. Net Elect. Energy Gen. (MWH)	597526	1238718	58500118
19. Unit Service Factor	100.0	100.0	70.3
20. Unit Availability Factor	100.0	100.0	70.3
21. Unit Capacity Factor (MDC Net)	81.0	81.2	63.7
22. Unit Capacity Factor (DER Net)	78.0	78.2	62.1
23. Unit Forced Outage Rate	0.0	0.0	14.8
24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration):			
<u>Steam generator replacement outage to begin on April 23, 1988 for an estimated duration of 225 days.</u>			

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

8803300322 880229
 PDR ADOCK 05000314
 R DCD

FE24

AVERAGE DAILY POWER LEVEL (MWe-Net)

DOCKET NO. 50-316
 UNIT TWO
 DATE 02-Mar-88
 COMPLETED BY Michaelson
 TELEPHONE 616-465-5901

MONTH Feb-88

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	859	17	983
2	862	18	863
3	863	19	864
4	864	20	862
5	860	21	862
6	863	22	865
7	862	23	806
8	863	24	510
9	862	25	848
10	865	26	862
11	864	27	859
12-	864	28	864
13	863	29	863
14	863		
15	925		
16	985		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: FEBRUARY 1988

DOCKET NO. 50-316
 UNIT NAME D.C. Cook Unit 2
 DATE 3-4-88
 COMPLETED BY Allan 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
188	880223	S	33.5	A	4 NA	NONE	HH	PIPEXA	On 2-23-88 at 1706, a reactor power reduction to approximately 50% reactor power was initiated to permit corrective maintenance on the east main feed pump suction strainer vent line. The unit reached 51.5% reactor power at 2315 on 2-23-88. At 2125 on 2-24-88 operators began increasing power to 80% which was reached at 0335 on 2-25-88.

1
 F: Forced
 S: Scheduled

2
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance of 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)

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DOCKET NO: 50-316
UNIT NAME: D.C. Cook Unit 2
COMPLETED BY: A. S. Puplis
TELEPHONE: (616) 465-5901
DATE: March 4, 1988
PAGE: 1 of 1

MONTHLY OPERATING ACTIVITIES - FEBRUARY 1988

HIGHLIGHTS

The reporting period began with the Unit at its administrative power limit of 80% reactor power.

Reactor power was increased from 80% to 100% during the reporting period to collect steam flow and feed water flow control system data. Power was later restored to 80%. A power reduction was required to repair a steam leak on the east main feed pump section strainer vent line. Power was later restored to 80% reactor power.

The reporting period ended with the unit at 80% reactor power.

Gross electrical generation for the month of February was 662,010 MWH.

DETAILS

- 2-15-88 At 0900 the first step of a planned power ascension to 100% reactor power was initiated. Ninety percent power was reached at 1453 on 2-15-88. Power remained at 90% until 0300 on 2-27-88, at which time the final step to reach 100% reactor power was initiated. Reactor power reached 100% at 1005 on 2-17-88.
- 2-17-88 At 1235, a reactor power reduction to 80% was initiated, restoring reactor power to the 80% administrative limit at 1715 on 2-17-88.
- 2-23-88 At 1706 a reactor power reduction to approximately 50% reactor power was initiated to permit repair of a weld leak on the east main feed pump section strainer vent line. The unit reached 51.5% reactor power at 2315 on 2-23-88. At 2125 2-24-88, operators began increasing power to 80%, which was reached at 0335 on 2-25-88.

DOCKET NO. 50-316
UNIT NAME D.C. Cook-Unit No. 2
DATE March 4, 1988
COMPLETED BY A. S. Puplis
TELEPHONE (616) 465-5901
PAGE 1 of 1

MAJOR SAFETY-RELATED MAINTENANCE

FEBRUARY 1988

M-1 Job Order No. A bearing on 2-HV-AES-1 (auxiliary building
13587 ventilation engineered safety feature exhaust
unit #1) was found to be running hot. Three
drive shaft bearings were replaced and the
unit tested satisfactorily.

Indiana Michigan
Power Company
Cook Nuclear Plant
P.O. Box 458
Bridgman, MI 49106
616 465 5901



Director, Office Of Management Information
and Program Control
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

March 4, 1988

Gentlemen:

Pursuant to the requirements of Donald C. Cook Nuclear Plant Unit 2
Technical Specification 6.9.1.10, the attached Monthly Operating
Report for the Month of February, 1988 is submitted.

Sincerely,

W. G. Smith, Jr.
Plant Manager

WGS/jd

cc: D. H. Williams, Jr.
M. P. Alexich
R. W. Jurgensen
R. C. Callen
C. A. Erikson
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11