

Detroit  
Edison

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Reg Guide 1.16



December 17, 1990  
NRC-90-0169

U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, D.C. 20555

Reference: Fermi 2  
NRC Docket No. 50-341  
NRC Operating License No. NPF-43

Subject: Monthly Operating Status Report for  
November, 1990

Enclosed for your information and use is the Fermi 2 Monthly Operating Status Report for November, 1990. This report includes the Operating Data Report, Average Daily Unit Power Level, and the Summary of Unit Shutdowns and Power Reductions identified in NRC Regulatory Guide 1.16 and Fermi 2 Technical Specification 6.9.1.6.

If you have any questions, please contact Patricia Anthony, Compliance Engineer, at (313) 586-1617.

Sincerely,

Enclosure

cc: A. B. Davis  
J. R. Eckert  
D. R. Hahn  
R. W. DeFayette  
W. G. Rogers  
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PDR AD0CK 05000341  
R PDR

OPERATING DATA REPORT

DOCKET NO. 50-341

COMPLETED BY P. M. Anthony

DATE December 17, 1990

TELEPHONE (313) 586-1617

OPERATING STATUS

- |  |                             |
|--|-----------------------------|
| 1. UNIT NAME: <u>Fermi 2</u>   | Notes: Since the removal of |
| 2. REPORTING PERIOD: <u>November, 1990</u>   | the fifth stage blades      |
| 3. LICENSED THERMAL POWER (Mwt): <u>3293</u>   | during the First Refueling  |
| 4. NAMEPLATE RATING (GROSS MWe): <u>1154</u>   | Outage, the maximum         |
| 5. DESIGN ELECT RATING (Net MWe): <u>1093</u>  | achievable net electric     |
| 6. MAX DEPENDABLE CAP (GROSS MWe): <u>1154</u>   | rating is 1067 MWe.         |
| 7. MAX DEPENDABLE CAP (Net MWe): <u>1047</u>   |                             |
| 8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7) SINCE<br>LAST REPORT, GIVE REASONS: <u>Returned to normal dependable capacity</u> |                             |
| 9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (MWe Net): <u>None</u>  |                             |
| 10. REASONS FOR RESTRICTION, IF ANY: <u>None</u>   |                             |

	THIS MONTH	YR TO DATE	CUMULATIVE
11. HRS IN REPORTING PERIOD	<u>720</u>	<u>8,016</u>	<u>25,022</u>
12. HRS REACTOR WAS CRITICAL	<u>590.5</u>	<u>7,420.8</u>	<u>18,517.7</u>
13. REACTOR RESERVE SHUTDOWN HRS	<u>0</u>	<u>0</u>	<u>0</u>
14. HOURS GENERATOR ON-LINE	<u>588.1</u>	<u>7,261.6</u>	<u>17,558.4</u>
15. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
16. GROSS THERMAL ENERGY GEN (MWH)	<u>1,702,656</u>	<u>22,469,232</u>	<u>51,831,194</u>
17. GROSS ELECT ENERGY GEN (MWH)	<u>570,180</u>	<u>7,430,180</u>	<u>17,174,537</u>
18. NET ELECT ENERGY GEN (MWH)	<u>545,382</u>	<u>7,108,369</u>	<u>16,421,220</u>
19. UNIT SERVICE FACTOR	<u>81.7</u>	<u>90.6</u>	<u>70.2</u>
20. UNIT AVAILABILITY FACTOR	<u>81.7</u>	<u>90.6</u>	<u>70.2</u>
21. UNIT CAP FACTOR (USING MDC NET)	<u>72.3</u>	<u>84.7</u>	<u>62.7</u>
22. UNIT CAP FACTOR (USING DER NET)	<u>69.3</u>	<u>81.1</u>	<u>60.0</u>
23. UNIT FORCED OUTAGE RATE	<u>0</u>	<u>1.7</u>	<u>11.8</u>

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, DURATION OF EACH)  
 A refueling outage is scheduled to begin March 15, 1991. It is presently estimated that the outage will last 75 days (breaker to breaker).
25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: 01/03/91
26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):

	FORECAST	ACHIEVED
INITIAL CRITICALITY	<u>N/A</u>	<u>N/A</u>
INITIAL ELECTRICITY	<u>N/A</u>	<u>N/A</u>
COMMERCIAL OPERATION	<u>N/A</u>	<u>N/A</u>

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-341  
 UNIT FERMI 2  
 DATE December 17, 1990  
 COMPLETED BY E. Dawson  
 TELEPHONE (313) 586-5027

Month November, 1990

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>1053</u>
2	<u>1047</u>
3	<u>1024</u>
4	<u>1057</u>
5	<u>1055</u>
6	<u>1067</u>
7	<u>1069</u>
8	<u>916</u>
9	<u>898</u>
10	<u>796</u>
11	<u>897</u>
12	<u>905</u>
13	<u>909</u>
14	<u>905</u>
15	<u>889</u>
16	<u>908</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	<u>905</u>
18	<u>908</u>
19	<u>904</u>
20	<u>903</u>
21	<u>899</u>
22	<u>896</u>
23	<u>907</u>
24	<u>901</u>
25	<u>174</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>N/A</u>

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-341  
 UNIT NAME Ferri 2

DATE December 17, 1990  
 COMPLETED BY P. M. Anthony  
 TELEPHONE (313)586-1617

REPORT MONTH November, 1990

NO.	DATE	TYPE (1)	DUR (HRS)	REASON (2)	METHOD OF SHUTTING DOWN THE REACTOR (3)	LER NO.	SYS CODE (4)	COMP CODE (5)	CAUSE & CORRECTIVE ACTION TO PREVENT REURRENCE
90-011	11/25/90	S	131.9	B	1	-	TA	TRB	Due to change in turbine bearing vibration, power was reduced until a black & white condition was reached. Then control rods were inserted. An inspection of the South Low Pressure Turbine has shown damage to both the shroud and the blades. Repairs are being made.

(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 - MAN. % SCRAM  
 3 - AUTOM. % SCRAM  
 4 - CONTINUAL  
 5 - REDUCED L.D.  
 9 - OTHER

(4) EXHIBIT G - INSTRUCTIONS FOR PREPARATION OF DATA ENTRY SHEETS FOR LICENSEE EVENT REPORT (FER) FILE (NUREG-0161)

(5) EXHIBIT I - SAME SOURCE