

**Detroit Edison**



Reg. Guide 1.16

January 9, 2002  
NRC-02-0005

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 December 2001

Enclosed for your information and use is the Fermi 2 Monthly Operating Status Report for December 2001. 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 5.6.4.

Should you have any questions or require additional information, please contact me at (734) 586-4258.

Sincerely,



Norman K. Peterson  
Manager – Nuclear Licensing

Enclosures

cc: J. E. Dyer  
T. J. Kim  
M. A. Ring  
M. V. Yudas, Jr.  
NRC Resident Office  
Region III

IE24

## OPERATING DATA REPORT

DOCKET NO. 50-341  
DATE January 9, 2002

COMPLETED BY Kevin Burke  
TELEPHONE (734) 586-5148

### OPERATING STATUS

1. Unit name: Fermi 2
2. Reporting period: December 2001
3. Licensed thermal power (MWt): 3430
4. Nameplate rating (Gross MWe): 1217
5. Design elect rating (Net MWe): 1150
6. Max dependable cap (Gross MWe): 1140
7. Max dependable cap (Net MWe): 1089
8. If changes occur in capacity ratings (Items number 3 through 7) since last report, give reasons:  
N/A
9. Power level to which restricted, if any (MWe Net): N/A
10. Reasons for restrictions, if any: N/A

	THIS MONTH	YEAR TO DATE	CUMULATIVE
11. Hours in reporting period	<u>744</u>	<u>8,760</u>	<u>122,198</u>
12. Hours reactor was critical	<u>722.3</u>	<u>7,967</u>	<u>91,636</u>
13. Reactor reserve shutdown hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours generator on-line	<u>697.9</u>	<u>7,838</u>	<u>87,898</u>
15. Unit reserve shutdown hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross thermal energy gen (MWH)	<u>2,303,736</u>	<u>26,505,072</u>	<u>276,770,411</u>
17. Gross elect energy gen (MWH)	<u>765,140</u>	<u>8,942,550</u>	<u>91,193,397</u>
18. Net elect energy gen (MWH)	<u>733,305</u>	<u>8,564,030</u>	<u>87,191,420</u>
19. Unit service factor	<u>93.8%</u>	<u>89.5%</u>	<u>71.9%</u>
20. Unit availability factor	<u>93.8%</u>	<u>89.5%</u>	<u>71.9%</u>
21. Unit cap factor (using MDC Net)	<u>90.5%</u>	<u>89.8%</u>	<u>68.5% (1)</u>
22. Unit cap factor (using DER Net)	<u>85.7%</u>	<u>85.0%</u>	<u>64.2% (1)</u>
23. Unit forced outage rate	<u>6.2%</u>	<u>0.6%</u>	<u>16.9%</u>
24. Shutdowns scheduled over next 6 months (Type, Date, Duration of each):	<u>N/A</u>		
25. If shutdown at end of report period, estimated date of startup:	<u>N/A</u>		
26. Units in test status (prior to commercial operation):	<u>N/A</u>		

Notes: (1) Calculated using weighted averages to reflect variations in rating (MDC and DER) from initial commercial operation.

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-341

UNIT Fermi 2

DATE January 9, 2002

COMPLETED BY Kevin Burke

TELEPHONE (734) 586-5148

Month December 2001

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	692	17	1123
2	1111	18	1123
3	1125	19	1123
4	1119	20	1124
5	1060	21	1124
6	174	22	1121
7	0	23	1122
8	453	24	1124
9	691	25	1125
10	692	26	1123
11	1076	27	1125
12	1111	28	1124
13	1113	29	1125
14	1120	30	1125
15	1120	31	1126
16	1062		

# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-341  
 UNIT NAME: Fermi 2  
 DATE: January 9, 2002

COMPLETED BY: Kevin Burke  
 TELEPHONE: (734) 586-5148

REPORT MONTH December 2001

No. (6)	Date	TYPE (1)	Dur (Hrs) (7)	Reason (2)	Method of shutting down reactor or reducing power (3)	LER No.	Sys Code (4)	Comp Code (5)	Cause and Corrective Action to Prevent Recurrence
F01-01	12/06/01	F	46.1	A	2	01-004	TJ	VTV	Forced shutdown due to failure of heat exchanger vent line and subsequent loss of Stator Cooling System flow.
F01-02	12/08/01	F	64	B	5	N/A	SJ	TRB	Derate to 66% power due to investigation of high vibration on South Reactor Feedpump Turbine.

(1) F: Forced  
S: Scheduled

(2) REASON:  
 A - Equipment Failure (Explain)  
 B - Maintenance or Test  
 C - Refueling  
 D - Regulatory Restriction  
 E - Operations Training and License Examination  
 F - Administrative  
 G - Operational Error (Explain)  
 H - Other (Explain)

(3) METHOD:  
 1 - Manual  
 2 - Manual Scram  
 3 - Automatic Scram  
 4 - Continued  
 5 - Reduced Load  
 9 - Other

(4) Instructions for preparation of data entry sheets for Licensee Event Report (LER) file (NUREG-1022)  
 (5) Same Source as (4)  
 (6) R - Prefix indicates power reduction.  
 S - Prefix indicated plant shutdown.  
 (7) Duration of reductions reported as zero per Regulatory Guide 1.16, Revision 4.