

Detroit Edison



Reg. Guide 1.16

January 15, 2003
NRC-03-0002

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 2002

Enclosed for your information and use is the Fermi 2 Monthly Operating Status Report for December 2002. 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.

In addition, please find enclosed a revised April 2002 Operating Data Report. The monthly Net Electrical Energy Generation was reported as 749,798 MWH, but should have been reported as 748,349 MWH. This error was identified during preparation of the December 2002 Operating Data Report.

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Norman K. Peterson', written over a horizontal line.

Norman K. Peterson
Manager – Nuclear Licensing

Enclosures

cc: R. J. Aben, Jr.
J. E. Dyer
M. A. Ring
J. F. Stang
M. V. Yudasz, Jr.
NRC Resident Office
Region III

JE24

OPERATING DATA REPORT

DOCKET NO. 50-341
 DATE January 14, 2003

COMPLETED BY Kevin Burke
 TELEPHONE (734) 586-5148

OPERATING STATUS

1. Unit name: Fermi 2
2. Reporting period: December 2002
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>130,958</u>
12. Hours reactor was critical	<u>672.2</u>	<u>8,646</u>	<u>100,282</u>
13. Reactor reserve shutdown hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours generator on-line	<u>672.2</u>	<u>8,631</u>	<u>96,529</u>
15. Unit reserve shutdown hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross thermal energy gen (MWH)	<u>2,234,616</u>	<u>28,802,496</u>	<u>305,572,907</u>
17. Gross elect energy gen (MWH)	<u>763,115</u>	<u>9,707,438</u>	<u>100,900,835</u>
18. Net elect energy gen (MWH)	<u>733,922*</u>	<u>9,302,877*</u>	<u>96,494,297*</u>
19. Unit service factor	<u>90.3%</u>	<u>98.5%</u>	<u>73.7%</u>
20. Unit availability factor	<u>90.3%</u>	<u>98.5%</u>	<u>73.7%</u>
21. Unit cap factor (using MDC Net)	<u>90.6%</u>	<u>97.5%</u>	<u>75.8% (1)</u>
22. Unit cap factor (using DER Net)	<u>85.8%</u>	<u>92.3%</u>	<u>71.0% (1)</u>
23. Unit forced outage rate	<u>9.7%</u>	<u>1.5%</u>	<u>15.7%</u>

24. Shutdowns scheduled over next 6 months (Type, Date, Duration of each): Refueling Outage 9, 03/28/2003, 30 days
25. If shutdown at end of report period, estimated date of startup: N/A
26. Units in test status (prior to commercial operation): N/A

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

* Year to Date and Cumulative "18. Net elect energy gen (MWH)" value includes correction from April 2002 Operating Data Report error of 1449 MWH.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-341

UNIT Fermi-2

DATE January 14, 2003

COMPLETED BY Kevin Burke

TELEPHONE (734) 586-5148

Month December 2002

DAY	AVERAGE DAILY POWER LEVEL (Mwe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1176	17	1173
2	1175	18	1171
3	1131	19	1168
4	1076	20	1168
5	1173	21	627
6	1174	22	813
7	1173	23	1159
8	1174	24	1173
9	1176	25	1172
10	1174	26	1173
11	1174	27	1174
12	1174	28	1152
13	1173	29	768
14	1172	30	0
15	1172	31	0
16	1175		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-341
 UNIT NAME: Fermi 2
 DATE: January 14, 2003

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

REPORT MONTH December 2002

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
R02-08	12/20/02	S	0	B	9	N/A	AA	ROD	Lowered reactor power to 54% for control rod pattern adjustment, surveillances, and planned maintenance.
S02-02	12/29/02	F	71.8	A	2	02-006	EE	RG	Power reduction and manual scram initiated due to degraded instrument power voltage supplied from Modular Power Unit Number 3 Cabinet 2. Modification installed to bypass failed voltage regulator.

(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.

OPERATING DATA REPORT

DOCKET NO. 50-341
 DATE May 8, 2002

COMPLETED BY Kevin Burke
 TELEPHONE (734) 586-5148

OPERATING STATUS

1. Unit name: Fermi 2
2. Reporting period: April 2002
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

9. 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>719</u>	<u>2,879</u>	<u>125,077</u>
12. Hours reactor was critical	<u>719</u>	<u>2,879</u>	<u>94,515</u>
13. Reactor reserve shutdown hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours generator on-line	<u>719</u>	<u>2,879</u>	<u>90,777</u>
15. Unit reserve shutdown hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross thermal energy gen (MWH)	<u>2,312,568</u>	<u>9,356,976</u>	<u>286,127,387</u>
17. Gross elect energy gen (MWH)	<u>781,140</u>	<u>3,168,960</u>	<u>94,362,357</u>
18. Net elect energy gen (MWH)	<u>748,349</u>	<u>3,038,327</u>	<u>90,229,747</u>
19. Unit service factor	<u>100.0%</u>	<u>100.0%</u>	<u>72.6%</u>
20. Unit availability factor	<u>100.0%</u>	<u>100.0%</u>	<u>72.6%</u>
21. Unit cap factor (using MDC Net)	<u>95.6%</u>	<u>96.9%</u>	<u>74.6% (1)</u>
22. Unit cap factor (using DER Net)	<u>90.5%</u>	<u>91.8%</u>	<u>69.9% (1)</u>
23. Unit forced outage rate	<u>0.0%</u>	<u>0.0%</u>	<u>16.4%</u>

24. Shutdowns scheduled over next 6 months (Type, Date, Duration of each): N/A
25. If shutdown at end of report period, estimated date of startup: N/A
26. Units in test status (prior to commercial operation): N/A

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