

**Detroit Edison**



Reg. Guide 1.16

June 16, 2000  
NRC-00-0060

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 May 2000

Enclosed for your information and use is the Fermi 2 Monthly Operating Status Report for May 2000. 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,

A handwritten signature in black ink, appearing to be 'N. Peterson'.

Norman K. Peterson  
Director - Nuclear Licensing

**Enclosures**

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

IE24

## OPERATING DATA REPORT

DOCKET NO. 50-341  
 DATE June 16, 2000

COMPLETED BY L. Burr  
 TELEPHONE (734) 586-1525

### OPERATING STATUS

1. Unit name: Fermi 2
2. Reporting period: May, 2000
3. Licensed thermal power (MWt): 3430
4. Nameplate rating (Gross MWe): 1217
5. Design elect rating (Net Mwe): 1116 (2)
6. Max dependable cap (Gross MWe): 1129
7. Max dependable cap (Net Mwe): 1080
  
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): (2)
  
10. Reasons for restriction, if any: (2)

|                                     | THIS MONTH     | YEAR TO<br>DATE  | CUMULATIVE         |
|-------------------------------------|----------------|------------------|--------------------|
| 11. Hours in reporting period       | <u>744</u>     | <u>3,647</u>     | <u>108,301</u>     |
| 12. Hours reactor was critical      | <u>356.3</u>   | <u>2,559.5</u>   | <u>78,532.4</u>    |
| 13. Reactor reserve shutdown hours  | <u>0</u>       | <u>0</u>         | <u>0</u>           |
| 14. Hours generator on-line         | <u>193.6</u>   | <u>2,396.8</u>   | <u>74,923.2</u>    |
| 15. Unit reserve shutdown hours     | <u>0</u>       | <u>0</u>         | <u>0</u>           |
| 16. Gross thermal energy gen (MWH)  | <u>601,540</u> | <u>7,795,492</u> | <u>232,762,191</u> |
| 17. Gross elect energy gen (MWH)    | <u>187,650</u> | <u>2,694,740</u> | <u>76,334,837</u>  |
| 18. Net elect energy gen (MWH)      | <u>179,083</u> | <u>2,583,926</u> | <u>72,958,015</u>  |
| 19. Unit service factor             | <u>26.0%</u>   | <u>65.7%</u>     | <u>69.2%</u>       |
| 20. Unit availability factor        | <u>26.0%</u>   | <u>65.7%</u>     | <u>69.2%</u>       |
| 21. Unit cap factor (using MDC net) | <u>22.3%</u>   | <u>65.6%</u>     | <u>65.1% (1)</u>   |
| 22. Unit cap factor (using DER net) | <u>21.6%</u>   | <u>63.5%</u>     | <u>60.9% (1)</u>   |
| 23. Unit forced outage rate         | <u>0.0%</u>    | <u>0.0%</u>      | <u>19.2%</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.

(2) Design electrical rating reflects 97% reactor power. Power ascension to 97% reactor power was authorized and occurred on January 21, 1999.

### AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-341

UNIT Fermi 2

DATE June 16, 2000

COMPLETED BY L. Burr

TELEPHONE (734) 586-1525

Month May, 2000

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|-------------------------------------|-----|-------------------------------------|
|     |                                     |     |                                     |
| 1   | 0                                   | 16  | 0                                   |
|     |                                     |     |                                     |
| 2   | 0                                   | 17  | 0                                   |
|     |                                     |     |                                     |
| 3   | 0                                   | 18  | 0                                   |
|     |                                     |     |                                     |
| 4   | 0                                   | 19  | 0                                   |
|     |                                     |     |                                     |
| 5   | 0                                   | 20  | 0                                   |
|     |                                     |     |                                     |
| 6   | 0                                   | 21  | 0                                   |
|     |                                     |     |                                     |
| 7   | 0                                   | 22  | 0                                   |
|     |                                     |     |                                     |
| 8   | 0                                   | 23  | 0                                   |
|     |                                     |     |                                     |
| 9   | 0                                   | 24  | 398                                 |
|     |                                     |     |                                     |
| 10  | 0                                   | 25  | 633                                 |
|     |                                     |     |                                     |
| 11  | 0                                   | 26  | 1013                                |
|     |                                     |     |                                     |
| 12  | 0                                   | 27  | 1079                                |
|     |                                     |     |                                     |
| 13  | 0                                   | 28  | 1082                                |
|     |                                     |     |                                     |
| 14  | 0                                   | 29  | 1084                                |
|     |                                     |     |                                     |
| 15  | 0                                   | 30  | 1076                                |
|     |                                     |     |                                     |
|     |                                     | 31  | 1073                                |

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-341  
 UNIT NAME: Fermi 2  
 DATE: June 16, 2000

COMPLETED BY: L. Burr  
 TELEPHONE: (734) 586-1525

REPORT MONTH May, 2000

| No. (6) | Date   | TYPE<br>(1) | Dur (Hrs) (7) | Reason (2) | Method of<br>shutting down<br>reactor or reducing<br>power (3) | LER<br>No. | Sys Code (4) | Comp<br>Code<br>(5) | Cause and Corrective Action to<br>Prevent Recurrence     |
|---------|--------|-------------|---------------|------------|--|------------|--------------|---------------------|--|
| S00-01  | 000401 | S           | 550.5         | C          | 4  | N/A        | N/A          | N/A                 | Scheduled shutdown for 7 <sup>th</sup> refueling outage. |

(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.