

Detroit Edison



Reg. Guide 1.16

0801.15

February 11, 2000
NRC-00-0016

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 January 2000
Enclosed for your information and use is the Fermi 2 Monthly Operating Status Report for January 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.K. Peterson'.

Norman K. Peterson
Director - Nuclear Licensing

Enclosures

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

OPERATING DATA REPORT

DOCKET NO. 50-341
 DATE February 11, 2000

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

OPERATING STATUS

1. Unit name: Fermi 2
2. Reporting period: January 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 DATE | CUMULATIVE |
|-------------------------------------|------------------|------------------|--------------------|
| 11. Hours in reporting period | <u>744</u> | <u>744</u> | <u>105,398</u> |
| 12. Hours reactor was critical | <u>744</u> | <u>744</u> | <u>76,716.9</u> |
| 13. Reactor reserve shutdown hours | <u>0</u> | <u>0</u> | <u>0</u> |
| 14. Hours generator on-line | <u>744</u> | <u>744</u> | <u>73,270.4</u> |
| 15. Unit reserve shutdown hours | <u>0</u> | <u>0</u> | <u>0</u> |
| 16. Gross thermal energy gen (MWH) | <u>2,426,808</u> | <u>2,426,808</u> | <u>227,393,507</u> |
| 17. Gross elect energy gen (MWH) | <u>849,620</u> | <u>849,620</u> | <u>74,489,717</u> |
| 18. Net elect energy gen (MWH) | <u>815,413</u> | <u>815,413</u> | <u>71,189,502</u> |
| 19. Unit service factor | <u>100.0%</u> | <u>100.0%</u> | <u>69.5%</u> |
| 20. Unit availability factor | <u>100.0%</u> | <u>100.0%</u> | <u>69.5%</u> |
| 21. Unit cap factor (using MDC net) | <u>101.5%</u> | <u>101.5%</u> | <u>65.3% (1)</u> |
| 22. Unit cap factor (using DER net) | <u>98.2%</u> | <u>98.2%</u> | <u>61.0% (1)</u> |
| 23. Unit forced outage rate | <u>0.0%</u> | <u>0.0%</u> | <u>19.5%</u> |

24. Shutdowns scheduled over next 6 months (Type, Date, Duration of each): Refueling Outage 7 (RFO7), April 1, 2000, 35 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.
 (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 February 11, 2000

COMPLETED BY L. Burr

TELEPHONE (734) 586-1525

Month January, 2000

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|-------------------------------------|-----|-------------------------------------|
| 1 | 1102 | 16 | 1120 |
| 2 | 1109 | 17 | 1122 |
| 3 | 1118 | 18 | 1122 |
| 4 | 1116 | 19 | 1122 |
| 5 | 1123 | 20 | 1123 |
| 6 | 1121 | 21 | 1122 |
| 7 | 1075 | 22 | 1123 |
| 8 | 690 | 23 | 1121 |
| 9 | 874 | 24 | 1124 |
| 10 | 1114 | 25 | 1124 |
| 11 | 1117 | 26 | 1124 |
| 12 | 1122 | 27 | 1124 |
| 13 | 1122 | 28 | 1124 |
| 14 | 1124 | 29 | 1113 |
| 15 | 1120 | 30 | 1120 |
| | | 31 | 1121 |

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-341
 UNIT NAME: Fermi 2
 DATE: February 11, 2000

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

REPORT MONTH January 2000

| 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 |
|---------|--------|----------|---------------|------------|---|---------|--------------|---------------|---|
| R00-01 | 000107 | S | 0 | B | 5 | | AA | V | Lowered reactor power to approximately 60% to perform control rod scram solenoid pilot valve replacement on 33 control rods and perform scram time testing. |

(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.