

Detroit Edison



Reg. Guide 1.16

December 15, 1999
NRC-99-0113

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 1999

Enclosed for your information and use is the Fermi 2 Monthly Operating Status Report for November 1999. 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 me, at (734) 586-4258.

Sincerely,



Norman K. Peterson
Director - Nuclear Licensing

Enclosures

cc: J. E. Dyer
A. J. Kugler
A. Vogel
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NRC Resident Office
Region III

JE24

PDR ADDK 05000341

OPERATING DATA REPORT

DOCKET NO. 50-341
 DATE December 15, 1999

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

OPERATING STATUS

1. Unit name: Fermi 2
2. Reporting period: November 1999
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>720</u> | <u>8,016</u> | <u>103,910</u> |
| 12. Hours reactor was critical | <u>720</u> | <u>7,971.7</u> | <u>75,228.9</u> |
| 13. Reactor reserve shutdown hours | <u>0</u> | <u>0</u> | <u>0</u> |
| 14. Hours generator on-line | <u>720</u> | <u>7,954.5</u> | <u>71,782.4</u> |
| 15. Unit reserve shutdown hours | <u>0</u> | <u>0</u> | <u>0</u> |
| 16. Gross thermal energy gen (MWH) | <u>2,392,848</u> | <u>26,097,960</u> | <u>222,505,427</u> |
| 17. Gross elect energy gen (MWH) | <u>834,780</u> | <u>9,031,680</u> | <u>72,779,747</u> |
| 18. Net elect energy gen (MWH) | <u>802,059</u> | <u>8,657,989</u> | <u>69,547,420</u> |
| 19. Unit service factor | <u>100.0%</u> | <u>99.2%</u> | <u>69.1%</u> |
| 20. Unit availability factor | <u>100.0%</u> | <u>99.2%</u> | <u>69.1%</u> |
| 21. Unit cap factor (using MDC net) | <u>103.1%</u> | <u>100.0%</u> | <u>64.7% (1)</u> |
| 22. Unit cap factor (using DER net) | <u>99.8%</u> | <u>96.8%</u> | <u>60.5% (1)</u> |
| 23. Unit forced outage rate | <u>0.0%</u> | <u>0.8%</u> | <u>19.9%</u> |

24. Shutdowns scheduled over next 6 months (Type, Date, Duration of each): Refueling Outage 7 (RFO7), March 31, 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 December 15, 1999

COMPLETED BY L. Burr

TELEPHONE (734) 586-1525

Month November 1999

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|-------------------------------------|-----|-------------------------------------|
| 1 | 1104 | 16 | 1121 |
| 2 | 1115 | 17 | 1123 |
| 3 | 1118 | 18 | 1118 |
| 4 | 1118 | 19 | 1111 |
| 5 | 1110 | 20 | 1116 |
| 6 | 1110 | 21 | 1117 |
| 7 | 1122 | 22 | 1106 |
| 8 | 1117 | 23 | 1108 |
| 9 | 1102 | 24 | 1114 |
| 10 | 1106 | 25 | 1121 |
| 11 | 1119 | 26 | 1118 |
| 12 | 1118 | 27 | 1119 |
| 13 | 1111 | 28 | 1121 |
| 14 | 1096 | 29 | 1122 |
| 15 | 1119 | 30 | 1123 |

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-341
 UNIT NAME: Fermi 2
 DATE: December 15, 1999

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

REPORT MONTH November 1999

| 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 |
|---------|------|-------------|---------------|------------|--|------------|--------------|---------------------|--|
| N/A | | | | | | | | | |

(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.