

Detroit Edison



Reg. Guide 1.16

January 14, 2000
NRC-00-0013

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 1999

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

bcc: L. H. Blair [1007 WCB/2 copies]
G. D. Cerullo
D. K. Cobb
J. E. Davis
J. W. Davis
R. A. DeLong
P. Fessler
D. R. Gipson
K. N. Harsley
K. J. Hlavaty
R. J. Horn [1069 WCB]
K. E. Howard
E. F. Kokosky
A. D. Kowalczyk
R. W. Libra
J. E. Moyers
W. T. O'Connor, Jr.
N. K. Peterson
J. H. Plona
B. J. Sheffel
W. M. Tucker

Barbara Lewis (Utility Data Institute)
Electronic Licensing Library (ELL) (200 TAC)
Information Management (140 NOC)
Dave Minnaar, Nuclear Facilities Unit (MDEQ)
NSRG Secretary/ISEG Coordinator (220 TAC)
NRR Chron File

OPERATING DATA REPORT

DOCKET NO. 50-341
 DATE January 14, 2000

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

OPERATING STATUS

1. Unit name: Fermi 2
2. Reporting period: December 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>744</u>	<u>8,760</u>	<u>104,654</u>
12. Hours reactor was critical	<u>744</u>	<u>8,715.7</u>	<u>75,972.9</u>
13. Reactor reserve shutdown hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours generator on-line	<u>744</u>	<u>8,698.5</u>	<u>72,526.4</u>
15. Unit reserve shutdown hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross thermal energy gen (MWH)	<u>2,461,272</u>	<u>28,559,232</u>	<u>224,966,699</u>
17. Gross elect energy gen (MWH)	<u>860,350</u>	<u>9,892,030</u>	<u>73,640,097</u>
18. Net elect energy gen (MWH)	<u>826,669</u>	<u>9,484,658</u>	<u>70,374,089</u>
19. Unit service factor	<u>100.0%</u>	<u>99.3%</u>	<u>69.3%</u>
20. Unit availability factor	<u>100.0%</u>	<u>99.3%</u>	<u>69.3%</u>
21. Unit cap factor (using MDC net)	<u>102.9%</u>	<u>100.3%</u>	<u>65.0% (1)</u>
22. Unit cap factor (using DER net)	<u>99.6%</u>	<u>97.0%</u>	<u>60.8% (1)</u>
23. Unit forced outage rate	<u>0.0%</u>	<u>0.7%</u>	<u>19.7%</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 January 14, 2000

COMPLETED BY L. Burr

TELEPHONE (734) 586-1525

Month December 1999

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1122	16	1120
2	1119	17	1124
3	1113	18	1124
4	1110	19	1120
5	1109	20	1117
6	1120	21	1123
7	1120	22	1123
8	1119	23	1123
9	1115	24	1123
10	1115	25	1123
11	1120	26	1121
12	955	27	1123
13	1120	28	1124
14	1117	29	1117
15	1118	30	1119
		31	1098

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-341
 UNIT NAME: Fermi 2
 DATE: January 14, 2000

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

REPORT MONTH December 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.