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Nuclear
Operations

Reg Guide 1.16

March 15, 1993
NRC-93-0025

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 February,
1993

Enclosed for your information and use is the Fermi 2 Monthly Operating Status Report for February, 1993. 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 Brian Stone, at (313) 586-5148.

Sincerely,

Enclosure

cc: T. G. Colburn
A. B. Davis
D. R. Hahn
W. J. Kropp
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OPERATING DATA REPORT

DOCKET NO. 50-341

COMPLETED BY B. J. Stone

DATE March 15, 1993

TELEPHONE (313) 586-5148

OPERATING STATUS

1. UNIT NAME: Fermi 2 | Notes: (1) Calculated using weight-
2. REPORTING PERIOD: February, 1993 | ed averages to reflect variations |
3. LICENSED THERMAL POWER (MWt): 3430 | in rating (MDC and DER). |
4. NAMEPLATE RATING (GROSS MWe): 1179 | (2) Currently operating at 98% CTP |
5. DESIGN ELECT RATING (Net MWe): 1116 | maximum due to throttle valve |
6. MAX DEPENDABLE CAP (GROSS MWe): 1135 | limitations at the current operating |
7. MAX DEPENDABLE CAP (Net MWe): 1085 | pressure limit; all ratings reflect |

| this power level. |

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	YR TO DATE	CUMULATIVE
11. HRS IN REPORTING PERIOD	<u>672</u>	<u>1,416</u>	<u>44,726</u>
12. HRS REACTOR WAS CRITICAL	<u>576.5</u>	<u>1,320.5</u>	<u>33,723.7</u>
13. REACTOR RESERVE SHUTDOWN HRS	<u>0</u>	<u>0</u>	<u>0</u>
14. HOURS GENERATOR ON-LINE	<u>558.5</u>	<u>1,302.5</u>	<u>32,349.6</u>
15. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
16. GROSS THERMAL ENERGY GEN (MWH)	<u>1,798,680</u>	<u>4,191,792</u>	<u>98,279,084.4</u>
17. GROSS ELECT ENERGY GEN (MWH)	<u>619,850</u>	<u>1,445,710</u>	<u>32,773,457</u>
18. NET ELECT ENERGY GEN (MWH)	<u>595,519</u>	<u>1,389,972</u>	<u>31,338,973</u>
19. UNIT SERVICE FACTOR	<u>83.1</u>	<u>92.0</u>	<u>72.3</u>
20. UNIT AVAILABILITY FACTOR	<u>83.1</u>	<u>92.0</u>	<u>72.3</u>
21. UNIT CAP FACTOR (USING MDC NET)	<u>81.7</u>	<u>90.5</u>	<u>65.4 (1)</u>
22. UNIT CAP FACTOR (USING DER NET)	<u>79.4 (1)</u>	<u>88.0 (1)</u>	<u>64.0 (1)</u>
23. UNIT FORCED OUTAGE RATE	<u>16.9</u>	<u>8.0</u>	<u>7.8</u>

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, DURATION OF EACH):

25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:

26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):

	FORECAST	ACHIEVED
INITIAL CRITICALITY	<u>N/A</u>	<u>N/A</u>
INITIAL ELECTRICITY	<u>N/A</u>	<u>N/A</u>
COMMERCIAL OPERATION	<u>N/A</u>	<u>N/A</u>

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-341
 UNIT FERMI 2
 DATE March 15, 1993
 COMPLETED BY E. Dawson
 TELEPHONE (313) 586-5027

Month February, 1993

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>1124</u>
2	<u>1126</u>
3	<u>1118</u>
4	<u>1120</u>
5	<u>1115</u>
6	<u>1070</u>
7	<u>1122</u>
8	<u>1122</u>
9	<u>1055</u>
10	<u>131</u>
11	<u>0</u>
12	<u>0</u>
13	<u>29</u>
14	<u>898</u>
15	<u>1121</u>
16	<u>1121</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>1125</u>
18	<u>1122</u>
19	<u>1125</u>
20	<u>0</u>
21	<u>777</u>
22	<u>1118</u>
23	<u>1121</u>
24	<u>1123</u>
25	<u>1124</u>
26	<u>1122</u>
27	<u>1124</u>
28	<u>1122</u>
29	<u>N/A</u>
30	<u>N/A</u>
31	<u>N/A</u>

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-341

DATE March 15, 1993

UNIT NAME Fermi 2

COMPLETED BY B. J. Stone

REPORT MONTH February, 1993

TELEPHONE (313) 586-5148

NO. (6)	DATE	TYPE (1)	DUR (HRS) (7)	REASON (2)	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER (3)	LER NO.	SYS CODE (4)	COMP CODE (5)	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
S 93-01	02/10/93	F	81.8	B	1	N/A	* SG	* Cond	Condenser tube leak caused condensate chemistry to reach action level; plant shutdown for tube plugging.
S 93-02	02/19/93	F	31.7	G	3	93-004	* KE	* 27 & 94	Routine pump breaker PM testing inadvertently actuated in-service trip relays; an in-service pump breaker trip relay failed to properly actuate, leading to inability to transfer feed to alternate supply. The loss of power to two (2) circulating water pumps and their associated discharge valves resulted in inadequate cooling water flow to the condenser leading to turbine trip on high condenser backpressure.

(1) PREFIX
S - SCHEDULED

(2) REASON:

- A - EQUIPMENT FAILURE (EXPLAIN)
- B - MAINTENANCE OR TEST
- C - REFUELING
- D - REGULATORY RESTRICTION
- E - OPERATOR TRAINING & 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 INDICATES PLANT
SHUTDOWN.(7) DURATION OF REDUCTIONS
REPORTED AS ZERO PER REG.
GUIDE 1.16 REV. 4

* SG = CONDENSER SYSTEM; COND = CONDENSER
KE = HEAT REJECTION SYSTEM; 27 = RELAY, UNDERVOLTAGE; 94 = RELAY, TRIPPING