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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
2. REPORTING PERIOD: February, 1993
3. LICENSED THERMAL POWER (MWt): 3430
4. NAMEPLATE RATING (GROSS MWe): 1179
5. DESIGN ELECT RATING (Net MWe): 1116
6. MAX DEPENDABLE CAP (GROSS MWe): 1135
7. MAX DEPENDABLE CAP (Net MWe): 1085

Notes: (1) Calculated using weighted averages to reflect variations in rating (MDC and DER). (2) Currently operating at 98% CTP maximum due to throttle valve limitations at the current operating 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	672	1,416	44,726
12. HRS REACTOR WAS CRITICAL	576.5	1,320.5	33,723.7
13. REACTOR RESERVE SHUTDOWN HRS	0	0	0
14. HOURS GENERATOR ON-LINE	558.5	1,302.5	32,349.6
15. UNIT RESERVE SHUTDOWN HOURS	0	0	0
16. GROSS THERMAL ENERGY GEN (MWH)	1,798,680	4,191,792	98,279,084.4
17. GROSS ELECT ENERGY GEN (MWH)	619,850	1,445,710	32,773,457
18. NET ELECT ENERGY GEN (MWH)	595,519	1,389,972	31,338,973
19. UNIT SERVICE FACTOR	83.1	92.0	72.3
20. UNIT AVAILABILITY FACTOR	83.1	92.0	72.3
21. UNIT CAP FACTOR (USING MDC NET)	81.7	90.5	65.4 (1)
22. UNIT CAP FACTOR (USING DER NET)	79.4 (1)	88.0 (1)	64.0 (1)
23. UNIT FORCED OUTAGE RATE	16.9	8.0	7.8

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	N/A	N/A
INITIAL ELECTRICITY	N/A	N/A
COMMERCIAL OPERATION	N/A	N/A

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)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1124	17	1125
2	1126	18	1122
3	1118	19	1125
4	1120	20	0
5	1115	21	777
6	1070	22	1118
7	1122	23	1121
8	1122	24	1123
9	1055	25	1124
10	131	26	1122
11	0	27	1124
12	0	28	1122
13	29	29	N/A
14	898	30	N/A
15	1121	31	N/A
16	1121		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-341
UNIT NAME Fermi 2
DATE March 15, 1993
COMPLETED BY B. J. Stone
TELEPHONE (313) 586-5148

REPORT MONTH February, 1993

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) F - FORCED
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