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Nuclear Organization

Reg Guide 1.16

February 15, 1991
NRC-91-0009

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, 1991

Enclosed for your information and use is the Fermi 2 Monthly Operating Status Report for January, 1991. 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 Joseph Pendergast, Compliance Engineer, at (313) 586-1682.

Sincerely,

S. Calola

Enclosure

cc: A. B. Davis
J. R. Eckert
D. R. Hahn
R. W. DeFayette
W. G. Rogers
J. F. Stang

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OPERATING DATA REPORT

DOCKET NO. 50-341 COMPLETED BY B. J. Stone

DATE February 15, 1991 TELEPHONE (313) 586-5148

OPERATING STATUS

1. UNIT NAME: Fermi 2
2. REPORTING PERIOD: January, 1991
3. LICENSED THERMAL POWER (MWt): 3293
4. NAMEPLATE RATING (GROSS MWe): 1154
5. DESIGN ELECT RATING (Net MWe): 1093
6. MAX DEPENDABLE CAP (GROSS MWe): 1105
7. MAX DEPENDABLE CAP (Net MWe): 1055

Notes: (1) Calculated using MDC of 1093 for period prior to January 1, 1990.

8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS:
9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (MWe Net): Approximately 800
10. REASONS FOR RESTRICTION, IF ANY: Administrative limit due to concerns about main turbine blading.

	THIS MONTH	YR TO DATE	CUMULATIVE
11. HRS IN REPORTING PERIOD	744	744	26,510
12. HRS REACTOR WAS CRITICAL	739.9	739.9	19,257.6
13. REACTOR RESERVE SHUTDOWN HRS	0	0	0
14. HOURS GENERATOR ON-LINE	716.8	716.8	18,275.4
15. UNIT RESERVE SHUTDOWN HOURS	0	0	0
16. GROSS THERMAL ENERGY GEN (MWH)	1,835,623	1,835,623	53,666,817
17. GROSS ELECT ENERGY GEN (MWH)	570,830	570,830	17,745,367
18. NET ELECT ENERGY GEN (MWH)	544,157	544,157	16,955,461
19. UNIT SERVICE FACTOR	96.3	96.3	68.9
20. UNIT AVAILABILITY FACTOR	96.3	96.3	68.9
21. UNIT CAP FACTOR (USING MDC NET)	69.3	69.3	59.4 (1)
22. UNIT CAP FACTOR (USING DER NET)	66.9	66.9	58.5
23. UNIT FORCED OUTAGE RATE	0	0	11.4

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, DURATION OF EACH)
A refueling outage is scheduled to begin March 29, 1991. It is presently estimated that the outage will last 75 days (breaker to breaker).
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 February 15, 1991
COMPLETED BY E. Dawson
TELEPHONE (313) 586-5027

Month January, 1991

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	800
2	133	18	800
3	467	19	794
4	761	20	801
5	760	21	803
6	745	22	792
7	783	23	796
8	781	24	804
9	777	25	802
10	783	26	800
11	772	27	803
12	780	28	799
13	779	29	803
14	774	30	804
15	801	31	800
16	799		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-341
UNIT NAME Fermi 2

DATE February 15, 1991
COMPLETED BY B. J. Stone
TELEPHONE (313) 586-5148

REPORT MONTH January, 1991

NO.	DATE	TYPE (1)	DUR (HRS)	REASON (2)	METHOD OF SHUTTING DOWN THE REACTOR (3)	LER NO.	SYS CODE (4)	COMP CODE (5)	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
90-011	11/25/90	S	27.2	B	1	-	TA	TRB	Due to change in turbine bearing vibration, power was reduced until a black & white condition was reached. Then control rods were inserted. Inspection of the South Low Pressure Turbine showed damage to both the shroud and the blades. Repairs were made. The reactor was re-started on 01/01/91. The generator was synchronized to the Grid at 0310 hrs. 01/02/91.

(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) EXHIBIT G - INSTRUCTIONS FOR PREPARATION OF DATA ENTRY SHEETS FOR LICENSEE EVENT REPORT (LER) FILE (NUREG-0161)

(5) EXHIBIT 1 - SAME SOURCE