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April 14, 2003  
JAFP-03-0050

T.A. Sullivan  
Vice President, Operations-JAF

U. S. Nuclear Regulatory Commission  
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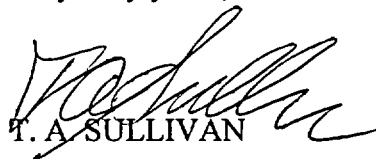
**SUBJECT: James A. FitzPatrick Nuclear Power Plant**  
**Docket No. 50-333**  
**Monthly Operating Report**

Dear Sir:

Enclosed is the Monthly Operating Report for the James A. FitzPatrick Nuclear Power Plant for the month of March 2003.

Should you have any questions concerning this report, please direct them to Mr. Mick Baker, Thermal Performance Engineer, at (315) 349-6181.

Very truly yours,

  
T. A. SULLIVAN

TAS:MB:dr  
Enclosure

IE24

cc: Regional Administrator  
U.S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406

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U.S. Nuclear Regulatory Commission  
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**ENTERGY NUCLEAR NORTHEAST  
JAMES A. FITZPATRICK NUCLEAR POWER PLANT  
OPERATING DATA REPORT**

**REPORT MONTH: MARCH 2003**

Docket No.:	50-333
Unit Name:	FitzPatrick
Date:	April 2, 2003
Completed By:	M. Baker
Telephone:	(315) 349-6181

**OPERATING STATUS**

1. Unit name: **FitzPatrick**
2. Reporting period: **03/01/2003 – 03/31/2003**
3. Licensed thermal power (MWT): **2536**
4. Nameplate rating (gross MWE): **883.0**
5. Design electrical rating (net MWE): **816**
6. Maximum dependable capacity (gross MWE): **839**
7. Maximum dependable capacity (net MWE): **813**
8. If changes occur in capacity ratings (Items 3-7) since last report, give reasons:
9. Power level to which restricted, if any (net MWE):
10. Reasons for restrictions, if any:

NO.	DATA REQUESTED	THIS MONTH	YR-TO-DATE	CUMULATIVE
11	Hours in reporting period:	744	2160	242,616.00
12	Number of hours reactor was critical:	630.15	2046.15	183,376.67
13	Reactor reserve shutdown hours:	0	0	0
14	Hours generator on-line:	571.94	1922.83	178,057.17
15	Unit reserve shutdown hours:	0	0	0
16	Gross thermal energy generated (MWH):	1,312,929.10	4,591,668.70	406,377,793.62
17	Gross electrical energy generated (MWH):	455,435.00	1,577,046.00	137,471,497.00
18	Net electrical energy generated (MWH):	440,371.00	1,525,142.00	132,464,937.00
19	Unit service factor:	76.87%	89.02%	73.39%
20	Unit availability factor:	76.87%	89.02%	73.39%
21	Unit capacity factor (using MDC net):	72.80%	86.85%	74.98%
22	Unit capacity factor (using DER net):	72.54%	86.53%	66.91%
23	Unit forced outage rate:	23.13%	10.98%	10.84%

24. Shutdowns scheduled over next 6 months (type, date, and duration of each): None

25. If shutdown at end of report period, estimated date of startup: N/A

26. Units in test status (prior to commercial operation):	<u>FORECAST</u>	<u>ACHIEVED</u>
Initial Criticality:		
Initial Electricity:		
Commercial Operation:		

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DAY	NET AVERAGE DAILY POWER LEVEL	DAY	NET AVERAGE DAILY POWER LEVEL
1	847.54	17	847.63
2	847.54	18	847.71
3	847.54	19	784.46
4	847.00	20	128.71
5	672.29	21	0.00
6	442.21	22	0.00
7	442.04	23	0.00
8	443.92	24	0.00
9	787.88	25	0.00
10	845.96	26	0.00
11	847.17	27	522.88
12	847.13	28	841.42
13	825.25	29	847
14	847.29	30	847
15	847.42	31	847.42
16	847.58		

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**UNIT SHUTDOWNS**

NO.	DATE	TYPE	DURATION HOURS	REASON	METHOD OF SHUTTING DOWN THE REACTOR	LICENSEE EVENT REPORT NO.	SYSTEM CODE	COMPONENT CODE	CAUSE and CORRECTIVE ACTION TO PREVENT RECURRENCE
1	03/19/03	F	101.5	B	5	N/A	N/A	N/A	N/A
2	03/24/03	F	5.6	B	N/A	N/A	N/A	N/A	N/A

F: FORCED  
S: SCHEDULED

**REASON:**  
A. Equipment failure (explain)  
B. Maintenance or Test  
C. Refueling  
D. Regulatory Restriction  
E. Operator training and license examination  
F. Administrative  
G. Operational error (explain)  
H. Other (explain)

**METHOD:**  
1. Manual  
2. Manual Scram  
3. Automatic Scram  
4. Continued  
5. Reduced load  
9. Other

**EXHIBIT G:** Instructions for preparation of  
data entry sheets for Licensee Event Report  
(LER) file (NUREG-0161)

## REPORT MONTH: MARCH 2003

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### OPERATIONAL SUMMARY

The FitzPatrick plant operated at or near rated power for the duration of the month of March 2003 with the exception of the following:

Note: This list does not include minor derates for rod pattern adjustments. (<20% reduction in average power level for the preceding 24 hours)

- March 5, 2003 – 1318 Commenced scheduled down power to remove "B" Reactor Feed Pump from service to perform pump seal replacement and to perform a control rod sequence exchange. For this evolution, reactor power was reduced to approximately 55% on March 5, 2003 – 1425 hours.
- March 9, 2003 – 0200 Reactor power was maintained at approximately 55% power until March 9, 2003 at 0200 hours when reactor power was raised following repair of the pump seal. Reactor was returned to full power on March 9, 2003 – 1050 hours.
- March 13, 2003 – 0410 Reactor power was reduced to approximately 82% power for a rod pattern adjustment.
- March 19, 2003 – 0803 Commenced forced shutdown to repair a steam leak in the feedwater system. The plant staff executed the existing forced outage schedule, performed maintenance on valves, replaced the 'A' RFP outboard seal, and added balancing weights to reduce vibration of "B" RFP Turbine. For this evolution, the reactor mode switch was taken to SHUTDOWN on March 20, 2003 – 0718 hours.
- March 24, 2003 – 1247 Commenced reactor start-up. On March 25, 2003 – 0054 the "B" Reactor Feed Pump Turbine experienced high vibration while increasing speed. Reduced power to repair vibration issue.
- March 25, 2003 – 1508 Commenced reactor shutdown to repair high vibration of "B" Reactor Feed Pump Turbine. Mode Switch in SHUTDOWN position on March 25, 2003 – 1935 hours.
- March 26, 2003 – 0113 Placed mode switch in STARTUP. Commenced reactor start-up. While commencing Main Turbine roll at approximately 20% reactor power the Turbine Intercept Valve failed to open. Remained at approximately 20% power until the valve was repaired. Commenced Main Turbine roll on March 27, 2003 – 0515. Reactor was returned to full power on March 27, 2003 – 2353 hours