

DOCKET NO.	50-333
UNIT NAME	FITZPATRICK
DATE	DEC 1985
COMPLETED BY	JOHN COOK
TELEPHONE	(315) 342-3840

# OPERATING STATUS

1. UNIT NAME: FITZPATRICK
2. REPORTING PERIOD: 851101-851130
3. LICENSED THERMAL POWER (MWT): 2436
4. NAMEPLATE RATING (GROSS MWE): 883
5. DESIGN ELECTRICAL RATING (NET MWE): 821
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 830
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 810
8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS 3 - 7) SINCE LAST REPORT, GIVE REASONS:  
NONE
9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE): NONE
10. REASONS FOR RESTRICTIONS, IF ANY: \_\_\_\_\_

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD:	720	8016	90697
12. NUMBER OF HOURS REACTOR WAS CRITICAL:	674.6	5055.6	64671.6
13. REACTOR RESERVE SHUTDOWN HOURS:	0	0	0
14. HOURS GENERATOR ON-LINE:	648.7	4834.8	62782.1
15. UNIT RESERVE SHUTDOWN HOURS:	0	0	0
16. GROSS THERMAL ENERGY GENERATED (MWH):	1392504	10968360	133904314
17. GROSS ELECTRICAL ENERGY GENERATED (MWH):	469290	3593210	45973490
18. NET ELECTRICAL ENERGY GENERATED (MWH):	452965	3568510	43966570
19. UNIT SERVICE FACTOR:	90.1	60.3	69.2
20. UNIT AVAILABILITY FACTOR:	90.1	60.3	69.2
21. UNIT CAPACITY FACTOR (USING MDC NET):	77.7	55.0	62.8
22. UNIT CAPACITY FACTOR (USING DER NET):	76.6	54.2	59.0
23. UNIT FORCED OUTAGE RATE:	9.8	11.7	13.4

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH):  
Planned maintenance outage March 10, 1986 to last approximately 2 weeks

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	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

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PDR ADOCK 05000333  
R PDR

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DOCKET NO.	50-333
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DATE	DECEMBER
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MONTH NOVEMBER 1985

DAY AVERAGE DAILY POWER LEVEL

1	205
2	462
3	464
4	466
5	484
6	536
7	762
8	788
9	798
10	801
11	803
12	806
13	806
14	805
15	802
16	805

DAY AVERAGE DAILY POWER LEVEL

17	805
18	805
19	805
20	806
21	807
22	769
23	393
24	0
25	0
26	164
27	595
28	737
29	789
30	803
31	---

SUMMARY: The FitzPatrick plant started up and operated at near full thermal power for the first twenty two days of the reporting period. On day twenty three the unit was taken off line to repair a Main Steam Isolation valve hydraulic cylinder and returned to service on day twenty six.

JAMES A. FITZPATRICK NUCLEAR POWER PLANT  
UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH NOVEMBER 1985

DOCKET NO.	50-333
UNIT NAME	FITZPATRICK
DATE	DEC. 1985
COMPLETED BY	JOHN COOK
TELEPHONE	(315) 342-3840

NO.	DATE	TYPE	D U H R O A U T R I S O N	R E A S O N	METHOD OF SHUTTING DOWN THE REACTOR	LICENSEE EVENT REPORT	S Y C S O T D E E M	C O M C P O D N E N T	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
*12	851031	F	9.8	H	3	85-026	FK	N/A	Reactor Scram on load reject due to equipment failure at the EDIC substation. (Cumulative hours 24.4)
13	851123	F	61.5	A	1		SB	ISV	Reactor shut down to repair Main Steam Isolation Valve hydraulic cylinder. Cylinder was rebuilt and the gaskets were upgraded. The cause of the bolt failure is under investigation at this time.
*NOTE: Event # on October Report incorrect.									

1

F: FORCED  
S: SCHEDULED

2

REASON:  
A. EQUIPMENT FAILURE (EXPLAIN)  
B. MAINTENANCE OF TEST  
C. REFUELING  
D. REGULATORY RESTRICTION  
E. OPERATOR TRAINING AND LICENSE EXAMINATION  
F. ADMINISTRATIVE  
G. OPERATIONAL ERROR (EXPLAIN)  
H. OTHER (EXPLAIN)

3

METHOD:  
1-MANUAL  
2-MANUAL SCRAM  
3-AUTOMATIC SCRAM  
4-OTHER (EXPLAIN)

4

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

## NARRATIVE SUMMARY OF OPERATING EXPERIENCE

November 1985

The FitzPatrick plant returned to service on November 1, 1985 following the October 31 shutdown. The unit then operated at near full thermal power until November 23 when the plant was shutdown to repair a Main Steam Isolation valve. Investigation revealed the hydraulic cylinder on the valve had ruptured preventing proper valve operation. The cause of the cylinder rupture was failure of the end bolts. The bolts are being sent out for analysis at this time. The cylinder was rebuilt and the gaskets were replaced with spares made of an upgraded material. The plant was returned to service on November 26.

At the end of the reporting period the FitzPatrick plant is operating at approximately 803 mw<sub>e</sub>.



NEW YORK POWER AUTHORITY  
JAMES A. FITZPATRICK NUCLEAR POWER PLANT  
MAINTENANCE SUMMARY  
NOVEMBER 1985

DATE	SYSTEM	WORK REQUEST NO. COMPONENT NO.	HOW DETECTED	CAUSE OF MALFUNCTION	RESULTS OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE	REPAIR TIME HOURS
851031	01-125	032742 DPIS-1A	I&C	BAD DIAPHRAGM	STDBY GAS "A" PREFILTER D/P SW	REPLACED DSPI-1A AND PERFORMED ISP-84	18
851115	02-3	038923 LI-85A,85B	OPS	TRANSMITTER DRIFT	IND. LOWER THAN CORRESPOND. INST	ADJUSTED	10
851106	02	038507 MTU-218B	I&C	FAULTY XMITTER	TRIP UNIT INDICATES DOWNSCALE	REPLACED XMITTER	20
851105	02	032702 SPARE ATTS	I&C	VARIOUS	VARIOUS PROBLEMS FOUND IN PRE-OP	VARIOUS CIRCUIT BOARD REPAIRS	42.5
851101	07	037425 NM-131-4C	OPS	SWITCH S1 SELECTOR SWITCH	RECORDER WON'T TRACE FOR MACH. C	REPOSITION CABLES, REPLACE SWITCH, CLEANED	32
851114	07	038508 NM-131	OPS	AGE/USE	BAD PEN MOTION IN X DIRECTION	REALIGNED X, LUBRICATED, CLEANED	16
851030	07	034121 LPRM-44-13	I&C	UNKNOWN	READS 15 WITH REACTOR SHUTDOWN	NO PROBLEM FOUND CHECKED	7

NEW YORK POWER AUTHORITY  
JAMES A. FITZPATRICK NUCLEAR POWER PLANT  
MAINTENANCE SUMMARY  
NOVEMBER 1985

DATE	SYSTEM	WORK REQUEST NO. COMPONENT NO.	HOW DETECTED	CAUSE OF MALFUNCTION	RESULTS OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE	REPAIR TIME HOURS
851105	07	037561 PR-46A	OPS	CONNECTOR LOOSE	CHART ADVANCES TOO SLOWLY	RESOLDERED CONNECTOR TO SWITCH	4
851113	07	038522 TIP D	OPS	ZENER DIODE VR3	READ WRONG, WON'T SLOW AT INDXR	REPLACED DIODE	11
851126	07	038586 IRM C	OPS	BROKEN HV CONNECTOR	INDICATOR NOT TRACKING POWER	REPLACED CONNECTOR	6
851114	10	035310 FT-134	OPS	N/A	PERFORM LEAK RATE TEST	PERFORMED LEAK RATE TEST	10
851030	13	032806 RCIC CTRL	I&C	AMPHENOL CONN., RING TERMINALS	ERRATIC CONTROL- TRIPPED TURBINE	REPLACED CONNECTORS, RING TERMINALS	14
851108	13	023185 N/A	I&C	BAD STARTING CAPACITOR	REPAIR SPARE TOPAZ C11 CAPACITOR	ORDERED AND REPLACED	26
851112	16	038459 DPR-200	OPS	LOOSE PRINT ASSEMBLY	RECORDER PEN NOT PRINTING	TIGHTENED, CLEANED ASSEMBLY, SHAFTS	10

NEW YORK POWER AUTHORITY  
JAMES A. FITZPATRICK NUCLEAR POWER PLANT  
MAINTENANCE SUMMARY  
NOVEMBER 1985

DATE	SYSTEM	WORK REQUEST NO. COMPONENT NO.	HOW DETECTED	CAUSE OF MALFUNCTION	RESULTS OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE	REPAIR TIME HOURS
851031	17	038740 RM-251A	I&C	FAILED TRANSISTOR	HV INOP TRIP DIDN'T FUNCTION	REPLACED Q17 TRANSISTOR	24
851119	17	038481 RIS-458A	OPS	N/A	SOURCE DRIVE MECH. NOT WORKING	PERFORMED CHECKS-NO PROBLEM FOUND	4
851122	27	038726 PCX-101B	JIC	FAILED SAMPLE PUMP AND SENSOR	UNRELIABLE OXYGEN READINGS	REPLACED PUMP, SENSOR, DAC BOARD	148
851115	70	038455 AHU-3A	OPS	HOLD TAG ON POWER TO SUPPLY FAN	ALARM COMES IN WITH UNIT RUNNING	N/A	18
851112	72	037532 DPS-104	OPS	OUT OF CALIBRATION	LO FLOW ON RETURN AIR, ALARM IN	CALIBRATED PER ISP-87	6
851024	76	037634 PS-102	OPS	HEAD PRESSURE	START PRESSURE IS TOO LOW	CALIBRATED/CORRECTED SETPOINT	21
851030	76	023052 PS-H/L-10	I&C	UNKNOWN	SWITCH WOULDN'T RESET TO VALUE	INSTALLED NEW SWITCH CALIBRATED SET	25

NEW YORK POWER AUTHORITY  
JAMES A. FITZPATRICK NUCLEAR POWER PLANT  
MAINTENANCE SUMMARY  
NOVEMBER 1985

LATE	SYSTEM	WORK REQUEST NO. COMPONENT NO.	HOW DETECTED	CAUSE OF MALFUNCTION	RESULTS OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE	REPAIR TIME HOURS
851031	76	034860 PH-H/LO	OPS	FAULTY SWITCH	SPURIOUS ALARM ON FIRE PROTECTION PN	REPLACED SWITCH, TESTED	16



NEW YORK POWER AUTHORITY  
JAMES A. FITZPATRICK NUCLEAR POWER PLANT  
SAFETY RELATED ELECTRICAL & MECHANICAL MAINTENANCE SUMMARY

NOVEMBER 1985

DATE	SYSTEM	WORK REQUEST # COMPONENT	HOW DETECTED	CAUSE OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE	REPAIR TIME HOURS
11/12	03	38408 P-16B	OPS	Worn Parts	Rebuilt pump.	250
11/8	27	38736 "A" Pump	OPS	Motor Failure	Replaced motor.	8
11/14	13	30712 MOV-131	PMs	Corrosion	Replaced gear housing components	18
11/26	29	38566 AOV-86B	OPS	Cylinder bolt failure	Rebuilt seal cartridge and replaced bolts	56
11/26	29	23895 AOV-86C	OPS	Air Leak	Changed solenoid valve	4
11/26	29	33582 AOV-86D	OPS	Foreign object on valve seat	Replaced solenoid valve	14
11/26	13	38570 MOV-15	OPS	Motor shorted	Replaced motor	23
11/25	12	38575 MOV-15	OPS	Body to bonnet leak	Retorqued bonnet bolts	6

James A. FitzPatrick  
Nuclear Power Plant  
P.O. Box 41  
Lycoming, New York 13093  
315 342-3840



**New York Power  
Authority**

Radford J. Converse  
Resident Manager

December 4, 1985  
JAFP 85-0952

Director, Office of Inspection  
and Enforcement  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

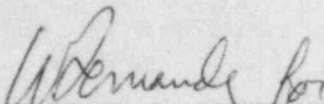
ATTENTION: DOCUMENT CONTROL DESK

REFERENCE: DOCKET NO. 50-333

Dear Sir:

Enclosed please find the J. A. FitzPatrick Operating Status Report for the month of November, 1985. Refueling information remains the same as previously submitted.

If there are any questions concerning this report, please contact John Cook at (315) 342-3840, Ext. 439.

  
RADFORD J. CONVERSE

RJC:JPC:mac  
Enclosures

cc: Distribution

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