

# OPERATING DATA REPORT

DOCKET NO. 50-333  
 DATE Oct. 1983  
 COMPLETED BY J. Cook  
 TELEPHONE (315) 342-3840

## OPERATING STATUS

1. Unit Name: FitzPatrick
2. Reporting Period: 830901-830930
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 Number 3 Through 7) Since Last Report, Give Reasons:  
None

Notes

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	6551	71688
12. Number Of Hours Reactor Was Critical	673.2	4064.1	50319.8
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	622.7	3975.7	48990.9
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1237056	8907000	102430858
17. Gross Electrical Energy Generated (MWH)	400370	2998850	35433630
18. Net Electrical Energy Generated (MWH)	386875	2905655	33770040
19. Unit Service Factor	86.5%	60.7%	68.3%
20. Unit Availability Factor	86.5%	60.7%	68.3%
21. Unit Capacity Factor (Using MDC Net)	66.3%	54.8%	61.8%
22. Unit Capacity Factor (Using DER Net)	65.4%	54.0%	57.4%
23. Unit Forced Outage Rate	0	7.8%	15.1%
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and 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  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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IE24

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-333  
 UNIT FitzPatrick  
 DATE October 1983  
 COMPLETED BY J. Cook  
 TELEPHONE (315)342-3840

MONTH September 1983

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0
2	0
3	10
4	37
5	64
6	173
7	216
8	251
9	413
10	575
11	660
12	599
13	584
14	622
15	638
16	725

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	736
18	768
19	769
20	769
21	770
22	773
23	745
24	601
25	726
26	777
27	779
28	782
29	784
30	780
31	---

Summary: The FitzPatrick plant returned to service on 830903 following the fifth refueling outage.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-333  
 UNIT NAME FitzPatrick  
 DATE October 1983  
 COMPLETED BY J. Cook  
 TELEPHONE (315) 342-3840

REPORT MONTH September

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
8	830603	s	46.8	c	1	N/A	N/A	N/A	Refueling outage (cumulative hours 2189.4)

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 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)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

<sup>4</sup>  
 Exhibit G - Instructions  
 for Preparation of Data  
 Entry Sheets for Licensee  
 Event Report (LER) File (NUREG-  
 0161)

<sup>5</sup>  
 Exhibit I - Same Source

NEW YORK POWER AUTHORITY  
JAMES A. FITZPATRICK NUCLEAR POWER PLANT

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

SEPTEMBER 1983

The refueling outage was completed on September 3, 1983. The unit was returned to service at approximately 2130 hours. Power was increased at the preconditioned rate.

At the end of the reporting period the unit is operating at approximately 780 MWe.

JAMES A. FITZPATRICK NUCLEAR POWER PLANT  
POWER AUTHORITY OF THE STATE OF NEW YORK

REFUELING INFORMATION

1. The date of the next scheduled refueling outage is February, 19 85.
2. The scheduled date for restart following refueling is May, 19 85.
3. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

YES X If yes, describe in general what these will be and go to question 5.

New Minimum Critical Power Ratio operating limits may be required. If new fuel enrichments are introduced, New Maximum Average Planar Linear Heat Generation Limits will be required.

NO \_\_\_\_ If no, answer question 4.

4. ANSWER ONLY IF ANSWER TO 3. ABOVE IS NO.  
Has the reload fuel design and core configuration been reviewed by the Plant Safety Review committee to determine whether any unreviewed safety questions are associated with the core reload (Ref. 10 CFR Section 50.59)?

YES \_\_\_\_

NO \_\_\_\_ The next scheduled review date is \_\_\_\_\_, 19 \_\_\_\_.

5. ANSWER ONLY IF ANSWER TO 3. ABOVE IS YES.

The scheduled date for submitting proposed licensing action and supporting information is January, 19 85.

- | 6. Answer the following important licensing considerations              | YES  | NO       |
|---|------|----------|
| a) New fuel design?   | ____ | <u>X</u> |
| b) New fuel supplier?   | ____ | <u>X</u> |
| c) Are there any new unreviewed design or performance analysis methods? | ____ | <u>X</u> |
| d) Are there any new operating procedures?                              | ____ | <u>X</u> |
| e) Other  | ____ | <u>X</u> |

Specify: \_\_\_\_\_

7. There are normally 560 fuel assemblies in the core during operation, presently there are 560 in the core.
8. a) There are 626 fuel assemblies of the licensed allowable 2244 in the spent fuel pool.  
b) An increase in the licensed storage capacity:

X is not being contemplated at this time.

\_\_\_\_ is not planned at this time for an additional \_\_\_\_ fuel assemblies.

\_\_\_\_ has been requested for an additional \_\_\_\_ fuel assemblies.

9. December, 19 90 is the last possible refueling date that can be projected at this time given the presently licensed spent fuel pool storage capacity.

POWER AUTHORITY OF THE STATE OF NEW YORK  
JAMES A. FITZPATRICK NUCLEAR POWER PLANT

MAINTENANCE SUMMARY

I&C September 1983

DATE	SYSTEM	WORK REQUEST # COMPONENT #	HOW DETECTED	CAUSE OF MALFUNCTION	RESULTS OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE	REPAIR TIME HOURS
9/3/83	02	25278 RV-71H	OPS	H Acoustic Monitor malfunction	Alarm did not clear	Replaced w/ spare	2
9/4/83	02	25284 TR-165	OPS	Normal wear	Pen does not drive	Tightened drive clutch	3
9/9/83	02	26380 DPIS-116D	JIC	Switch malfunction	Flo switch out of Tech Specs	Replaced switch & retested	8
9/8/83	02	26394 DPIS-117A	JIC	Leak/Age	MSL HI Flo/Leak on 3 valve man	Replaced valve pking on low side	8
9/12/83	02-3	28231 LR-98	OPS	Broken wire on chart drive sw	Recorder won't drive chart	Replaced broken wire	4
9/28/83	03	25266 ROD-22-03	OPS	Bad Q16	Rod ind full in when full out	Changed Q16	8
9/4/83	03	25285 ROD-34-07	OPS	Open circuit in rod indication	Rod full in ind malfunctions	Inserted 34-07 full in	2
9/4/83	03	25286 ROD-18-43	OPS	Short in indicator	Rod full in indicator shorted	Replaced rod indicator module	2
9/4/83	03	25287 AOV-35,39	JIC	AOV's out of adjustment	Valves didn't operate 30 sec	Readjust AOV stroke times	2
9/4/83	05	25291 RMCS	OPS	All rods not full in	Mode switch power sel ignored	Inserted rod 34-07	2
9/1/83	05	27377 RPS-ATTS	OPS	Low gross fail needed adjust	Unit inop or gross fail alarms	Adjusted low gross fail alarm	10



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9/7/83	06	25301 FT-51A,C	JIC	Out of calibration	Low output	Adjusted zeros & calibrated	40
9/20/83	06	26382 PA-104	JIC	Age	3-Element control Malfunctions	Replaced gemac shorted diode	4
9/13/83	06	26302 FT-50A,B	JIC	Instrument drift	Possible instrument drift	Performed static alignment	48
9/15/83	06	28245 FR-96	OPS	Bad capacitor on amp board	Recorder failed high	Replaced bad capacitor	20
9/20/83	06	28358 LI-94A,B,C	JIC	Age	Difference in fdwtr level ind	Repl ind A,B/ calibrated A,B,C	24
8/2/83	07	21449 G-IRM	OPS	Broken wire in preamp	G-IRM bus no response	Soldered broken wire	4
9/1/83	07	26374 LPRM-28-21	JIC	Faulty LPRM cable connector	Cable connector faulty	Replaced connector	3
9/1/83	07	27384 H-IRM	OPS	Cable jammed at gear box	H-IRM won't drive out of core	Repaired IRM drive gear box	3
9/26/83	07	27399 H-IRM	OPS	Bad connector @ drive gear unit	Won't indicate full in core	Repaired connector in unit	16
9/22/83	10	21499 AK-45A	OPS	Timing adjustment change	ST-2A requires =5 min, not =5	Adjusted relay to be =5 min	0.5
9/9/83	10	28310 LS-105A	OPS	Burned-out light bulbs	Switch won't reset	Replaced light bulbs	10

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MAINTENANCE SUMMARY

I&C September 1983

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9/1/83	13	21431 LS-74	OPS	Loose screw	Solenoid won't deenergize	Tightened screw	30
9/26/83	14	26398 DS-24A	JIC	Bad light bulb	Lo-lo-lo lamp defective	Replaced light bulb	3
9/14/83	14	26400 14A-K6B	JIC	Incorrect contact closure	Relay energized continuously	Adjusted relay	6
9/9/83	16-1	25299 DPR-200	OPS	Battery expired	Recorder reads too low	Replaced battery	24
9/9/83	17	26393 RM-50B	JIC	New setpoints for monitor	Perform F-IP-17.1	None	12
9/29/83	17	27768 RM-50A	OPS	Alarm drift	A stack rad monitor inoperable	Performed steps of IMP-17.1	2
9/16/83	17	28263 RIS-452B	OPS	None	Check source drive won't go in	Pulled S.D.- - bench tested OK	6
9/15/83	23	25300 LT-201A,BC	JIC	Out of cal- - Water in dry side	Difference bet level ind	Perform ISP 29 & 29-1	4
9/12/83	27	25295 AZ-101B	OPS	Defective Amp, Fan motor	Inaccurate reading	Replaced amplifier Fan motor	6
9/23/83	27	28211 RR-104A	RES	Worn out	Repl rec ink pad & print wheel	Replaced print wheel	10
9/23/83	29	27679 LS-5,7	OPS	Switch maladjusted	SW for 29-AOV-86B didn't reset	Readjusted switch per ISP-65-1	6



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## I&amp;C September 1983

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POWER AUTHORITY OF THE STATE OF NEW YORK  
JAMES A. FITZPATRICK NUCLEAR POWER PLANT

SAFETY RELATED ELECTRICAL & MECHANICAL MAINTENANCE SUMMARY

DATE	SYSTEM	WORK REQUEST # COMPONENT #	HOW DETECTED	CAUSE OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE	REPAIR TIME HOURS
9/3	00	20132 02ADV-39	N/A	No Malfunction	Removed tape from electrical connections & re-spliced	3
8/23	02	22896 RV71F	Routine Surveill.	Facility air supply	Replaced fittings	4
9/7	03	28296 CRD 09-16	Surveill. Testing	Ground in Condolet	Reinsulated splice	6
8/27	02	22961 RV71C	Hydro	Pilot Base to Main Body Leak	Replaced gasket	160
9/6	10	27358 ADV-68A	Visual	Body-Bonnet Leak	Replaced gasket	434
9/6	10	26918 MOV-150	OPS	Limiter torque Handle Missing	Replaced handle	2
9/12	13	25274 DS45	OPS	Broken Lamp Socket	Replaced socket	2
9/6	23	25559 LT201A	Visual	Broken Seallite	Cut back seallilte	4

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SAFETY RELATED ELECTRICAL & MECHANICAL MAINTENANCE SUMMARY

DATE	SYSTEM	WORK REQUEST # COMPONENT #	HOW DETECTED	CAUSE OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE	REPAIR TIME HOURS
9/12	70	26810 AHU3A	OPS	N/A	Took vibration readings and checked bearings	4
9/8	71	22891 SBA&B	N/A	N/A	Watered Batteries	12
9/16	10	28355 MOV-25B	OPS	Pinion gear key fell out	Replaced motor, gear & key	22 1/2
9/23	13	28389 Motor Control Circuit	OPS	Defective relay	Replaced relay	9
9/26	13	28243 RC1-40	OPS	Missing Handwheel	Replaced handwheel	3
9/27	23	27647 ADV-43	OPS	Position switch malfunction	Replaced position switch	6
9/26	27	4630 TH7B	OPS	"O" Ring Leak	Replaced "O" ring - pumped down insulating vacuum	64
9/25	71	27735 INV 3B	OPS	Bad circuit board	Replaced circuit board	18

James A. FitzPatrick  
Nuclear Power Plant  
P.O. Box 41  
Lycoming, New York 13093  
315 342.3840



October 6, 1983  
JAFF-83-1021

Director, Office of Management  
Information & Program Control  
United States Nuclear Regulatory Commission  
Washington, D.C. 20555

REFERENCE: Docket No. 50-333

Dear Sir:

The Operating Status Report for the month of September, 1983 is enclosed. The refueling information has been updated and is enclosed with report.

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

Very truly yours,

*Harford N. Keith by dir.*

Corbin A. McNeill, Jr.

CAM:JPC:rv  
Enclosures

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