

OPERATING DATA REPORT

DOCKET NO. 50-333
 DATE Jan. 1980
 COMPLETED BY E. Zufelt
 TELEPHONE (315) 342-3840

OPERATING STATUS

<p>1. Unit Name: <u>FitzPatrick</u></p> <p>2. Reporting Period: <u>791201 - 791231</u></p> <p>3. Licensed Thermal Power (MWt): <u>2436</u></p> <p>4. Nameplate Rating (Gross MWe): <u>883</u></p> <p>5. Design Electrical Rating (Net MWe): <u>821</u></p> <p>6. Maximum Dependable Capacity (Gross MWe): <u>830</u></p> <p>7. Maximum Dependable Capacity (Net MWe): <u>800</u></p> <p>8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons: <u>None</u></p>	<p>Notes</p>
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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	744	8760	38833
12. Number Of Hours Reactor Was Critical	680.6	4568	26630.2
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	663	4450.9	25738
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1428912	8974046	51188194
17. Gross Electrical Energy Generated (MWH)	492380	3058830	17353700
18. Net Electrical Energy Generated (MWH)	477050	2964590	16790575
19. Unit Service Factor	89.1%	50.8%	66.3%
20. Unit Availability Factor	89.1%	50.8%	66.3%
21. Unit Capacity Factor (Using MDC Net)	80.1%	42.3%	59.7%
22. Unit Capacity Factor (Using DER Net)	78.1%	41.2%	52.7%
23. Unit Forced Outage Rate	10.9%	49.2%	21.0%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Snubber inspection and refueling outage scheduled for April 1980.

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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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-333
 UNIT JAFNPP
 DATE Jan. 1980
 COMPLETED BY E. Zufelt
 TELEPHONE (315)342-3840

MONTH December 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>733</u>
2	<u>750</u>
3	<u>798</u>
4	<u>798</u>
5	<u>800</u>
6	<u>795</u>
7	<u>789</u>
8	<u>766</u>
9	<u>787</u>
10	<u>788</u>
11	<u>787</u>
12	<u>779</u>
13	<u>694</u>
14	<u>703</u>
15	<u>690</u>
16	<u>702</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>701</u>
18	<u>702</u>
19	<u>701</u>
20	<u>701</u>
21	<u>700</u>
22	<u>699</u>
23	<u>702</u>
24	<u>701</u>
25	<u>702</u>
26	<u>700</u>
27	<u>354</u>
28	<u>0</u>
29	<u>0</u>
30	<u>12</u>
31	<u>343</u>

SUMMARY:

Unit operated at approximately 85% of rated thermal power during this reporting period. On December 27, 1979 the reactor scrammed due to a turbine trip on high vibration and was off-line for a period of 81 hours.

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UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December 1979DOCKET NO. 50-333UNIT NAME JAFNPTDATE Jan. 1980COMPLETED BY E. ZufeltTELEPHONE (312) 342-3840

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
10	791227	F	81	H	3	N/A	N/A	N/A	Turbine trip on high vibration as a result of transmission grid disturbance

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)

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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)

⁵
Exhibit I - Same Source

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

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DECEMBER 1979

The unit operated at approximately 85% of rated thermal power for this reporting period. Two minor power reductions were performed for surveillance testing.

On December 27, 1979, the reactor scrammed due to a turbine trip on high vibration as a result of a transmission grid disturbance. The unit was off-line for a period of 81 hours. Unit was back on line December 30, 1979.

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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
29 Nov	76	2832 H76-88	Visual	Shock III Analysis	Modified H76-88	108
30 Nov	76	2851 H76-87	Visual	Shock III Analysis	Modified H76-87	135 1/4
4 Dec	66	2853 H66-57	Visual	Shock III Analysis	Modified H66-57	196 3/4
7 Dec	27	3925 P-11B	Audible	Oil Depletion	Disassembled, inspected, reassembled and added oil	100
7 Dec	27	4756 P-2B	Troubleshoot- ing P-11B repair (See 27/3925)	Diaphragms failed	Replaced diaphragms	8
30 Nov	33	2555 TK-12A, B	Inspection	Deteriorated electric heat trace on piping to tanks	Replaced heat trace and insulation on 22 pipe lines to tanks	100
8 Dec	13	4505 MOV-132	Visual	Very small amount of liqui- fied lubricant leaked out motor flange seal	Replaced grease in motor housing and replaced gaskets	10
7 Dec	13	4497 TU-2	OPS	Observed smoke apparently in the vicinity of the turbine inboard bearing	Disassembled and inspected both inboard and outboard bearings. No damage or evidence to either bearing. Reassembled and tested.	80
10 Dec	05	4501 5A-K13C	Visual	Loose screw on relay 5A-K13C contact assembly	Tightened loose screw	1

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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
5 Dec	23	2842 H23-8	Visual	Adjust spring can to specific load setting	Adjusted spring can	9½
5 Dec	10	2046 H10-171	Visual	Shock III Analysis	Modified H10-171	469
6 Dec	10	3797 H10-539	Visual	Shock III Analysis	Removed guides and hold down clips	24
13 Dec	76	2837 H76-86	Visual	Shock III Analysis	Removed Support	30½
13 Dec	11	2857 H11-8	Visual	Shock III Analysis	Removed Support	21
13 Dec	70	3761 Rod Hgr #1	Visual	Shock III Analysis	Removed Support	6
13 Dec	70	3762 Rod Hgr #1	Visual	Shock III Analysis	Removed Support	6
18 Dec	71	1910 Elec. seals	Visual	Leaking electrical pene- tration vapor seals	Installed 9 replacement 3-hr. fire rated electrical penetration seals in lower stack area	60
20 Dec	93	1899 Air start motors	Visual	Rebuild air start motors	Rebuild air start motors	12

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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
20 Dec	27	1631 SV-119B	OPS	Seat leakage required gagging of safety valve	Operated SV-119B manually - satisfactory operation (SV-114B is gagged, not SV-119B)	$\frac{1}{2}$
20 Dec	27	4588 PCV-122B	OPS	Valve is stuck open	Adjusted packing - valve cycled satisfactorily	2
20 Dec	27	4589 AOV-126B	OPS	Valve operator has N ₂ leak	Adjusted packing	2
20 Dec	27	4590 CNS-14B & 18B	OPS	Packing leak	Adjusted packing	2
21 Dec	27	4764 AOV-127B	Visual	Packing leak	Cycled valve and adjusted packing	4
21 Dec	14	4604 MOV-11B	OPS	Motor operator would not operate valve	Replaced motor pinion gear and tested valve satisfactorily	16
18 Dec	10	2045 H10-162	Visual	Shock III Analysis	Modified H10-162	658 $\frac{1}{2}$
18 Dec	23	2805 H23-90	Visual	NRC Bulletin 79-02 Inspection	Repaired H23-90	17
19 Dec	46	2817 H46-279	Visual	Shock III Analysis	Modified H46-279	725 $\frac{1}{2}$
13 Dec	10	2838 H10-177	Visual	Shock III Analysis	Modified H10-177	771 $\frac{1}{4}$

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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
14 Dec	66	2840 H66-13	Visual	Shock III Analysis	Modified H66-13	653 3/4
18 Dec	23	2873 H23-92	Visual	NRC Bulletin 79-02 Inspection	Repaired H23-92	83

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JAMES A. FITZPATRICK NUCLEAR POWER PLANT

Maintenance Summary

I & C - December 1979

Date	System	Work Request # Component #	How Detected	Cause of Malfunction	Results of Malfunction	Action taken to Preclude Recurrence	Repair Time (Hours)
12/6/79	02-3	4489 DPIS-119D	OPS	Moisture	None	Dried out DPIS and calibrate	10.0
12/10/79	02-3	4471 FT-78K/78M	OPS	Instrument failure	Improper indication	Replaced 78M calibrated 78M, 78K	24.0
12/1/79	07	4477 "B" RBM	OPS	Sticky switch	Could not select Rod 26-19	Exercised switch	2.0
12/7/79	07	4500 SRM "C"	OPS	None	Spurious relay pickup	Performed ISP-22 Found Satisfactory	2.0
12/10/79	07	4506 APRM "C"	OPS	Unknown	Failed ST-5Q	Adjusted meter zero	3.0
12/13/79	07	4515 APRM "C"	OPS	None	Downscale trip found low	F-IMP-7.6/Toler- ances found ok	2.0
12/27/79	10	4610 P-1C	OPS	Loose connections	Thermocouple appears bad	Tightened connection	4.0
12/27/79	17	4542 RE-04-6A	RES	Broken detector tube	N/A	Replaced tube	4.0
11/25/79	20	3975 FQ-527	OPS	Drift	Erroneous flow indication	F-ISP-16 Recalibrated	2.0
12/21/79	23	4566 "A" Isolation	OPS	Unknown	Spurious indication signal	All instruments in loop checked sat. Connection tight.	16.0
12/19/79	27	1583 R-102	OPS	Age	Erratic readings	Repaired instru- ment/IMP-27.1	112.0
12/14/79	27	3969 MAZ-101A	OPS	Age	Downscale	Repaired/manufact- urer called in IMP-27.1	80.0

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JAMES A. FITZPATRICK NUCLEAR POWER PLANT

Maintenance Summary

I&C - December 1979

Date	System	Work Request # Component #	How Detected	Cause of Malfunction	Results of Malfunction	Action taken to Preclude Recurrence	Repair Time (Hours)
12/14/79	27	3691 TR-102	I&C	Bad scanner card	Spurious readings	Replaced card ISP-27	16.0
12/10/79	27	4486 DWA-P 'A'	OPS	Power interruption	Spurious readings	ISP-31	30.0
12/13/79	27	4502 R-101	OPS	Dirty	Does not respond	Cleaned gears/ slides	10.0
12/27/79	27	4597 PCV-122B	OPS	Out of calibration	Does not control properly	Calibrated	10.0
12/27/79	27	4598 PCV-101B	OPS	Setpoint moved	N/A	Adjusted setpoint	3.0
11/30/79	27	1726 RM-54A	OPS	Moisture in sensing lines	Sticky operations	Replaced switches Recalibrated	58.0
11/30/79	27	3583 PT-102B	OPS	Procedure	Out of tolerance readings	Revision & recalibration	160.0
11/29/79	76	3595 CO ₂ -PNL-2	OPS	Drift	Time delay on annunciator bell too short	Adjusted timer	16.0
12/19/79	93	4569 TI-4B/4C	OPS	None	Low readings	Unit in standby	16.0
12/6/79	93	2370 "A" EDG Gov.	OPS	Unknown	Erratic operation	Found & tested satisfactory	14.0

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