

OPERATING DATA REPORT

DOCKET NO. 50-333
 DATE Nov. 7, 1978
 COMPLETED BY E. Zufelt
 TELEPHONE (315) 342-3840

OPERATING STATUS

1. Unit Name: FitzPatrick
2. Reporting Period: 781001-781031
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): 800
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	745	7296	28609
12. Number Of Hours Reactor Was Critical	0	5901.1	21482
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	0	5818.1	20790.2
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	0	12288452	41550116
17. Gross Electrical Energy Generated (MWH)	0	4140250	14081300
18. Net Electrical Energy Generated (MWH)	0	3991615	13620270
19. Unit Service Factor	0	79.7%	72.7%
20. Unit Availability Factor	0	79.7%	72.7%
21. Unit Capacity Factor (Using MDC Net)	0	68.4%	68.3%
22. Unit Capacity Factor (Using DER Net)	0	66.6%	58.0%
23. Unit Forced Outage Rate	0	3.7%	10.5%
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>None</u>			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: Nov. 27, 1978

26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY _____
 INITIAL ELECTRICITY _____
 COMMERCIAL OPERATION _____

Forecast

Achieved

781114A/23
 R,

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-333

UNIT JAFNPP

DATE Nov. 7, 1978

COMPLETED BY E. Zufelt

TELEPHONE (315) 342-3840

MONTH October 1978

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>0</u>

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

SUMMARY: Second annual refueling and maintenance outage continued through the reporting period.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October, 1978

DOCKET NO. 50-333
 UNIT NAME JAFNPP
 DATE Nov. 7, 1978
 COMPLETED BY E. Zufelt
 TELEPHONE (315) 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
16	780916	5	745	C	2	NA	NA	NA	Refueling Outage (Cumulative hours to date 1099.9)

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-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

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

NARRATIVE SUMMARY OF OPERATING EXPERIENCE
OCTOBER 1978

The refueling and maintenance outage which began on September 16, 1978 continued throughout October. Major work areas include reactor vessel feedwater nozzle clad removal, installation of new feedwater spargers, valve testing and repair, and the inspection and repair of the main turbine generator system components.

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

Safety Related Electrical & Mechanical Maintenance Summary

OCT 1978

DATE	SYSTEM	WORK REQUEST # COMPONENT #	HOW DETECTED	CAUSE OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE	REPAIR TIME HOURS
7 OCT	01-125	<u>12124</u> F-2B	N/A	None	Removed Charcoal Filters	2
18 OCT	01-125	<u>13010</u> F-2B	N/A	None	Installed new prefilters and reinstalled charcoal filters	2
12 OCT	02	<u>12080</u> 02RWR40A	LLRT	Excessive seat leakage	Cleaned and lapped	2
12 OCT	02	<u>12101</u> 02RWR13B	LLRT	Excessive seat leakage	Cleaned and lapped	4
8 OCT	02	<u>13001</u> 02RWR13A	LLRT	Excessive seat leakage	Cleaned and lapped	6
18 OCT	03	<u>6198</u> CRD scram pilot valve diaphragms	N/A	None	Replaced CRD scram pilot valve diaphragms (40 valves) - SIL 128	66
1 OCT	03	<u>11784</u> CRDS 38-19 & 06-39	Drift Alarm	Defective position indication probe	Replaced position indicating probe	6
1 OCT	03	<u>11793</u> CRDS 42-11 & 34-43	No Full-in indication	Defective position indication probe	Replaced position indicating probe	6
16 SEPT	03	<u>11875</u> CRD 34-19	Rod would not insert	Loose wire on terminal block prevented solenoid operation	Reinstalled wire	2

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

Safety Related Electrical & Mechanical Maintenance Summary

OCT 1978

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DATE	SYSTEM	WORK REQUEST # COMPONENT #	HOW DETECTED	CAUSE OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE	REPAIR TIME HOURS
18 OCT	03	11973 CRD 18-23 solenoid 117	Air leakage	Loose nut on solenoid valve	Re-torqued loose nut	2
18 OCT	03	11974 CRD 26-35 solenoid 117	Air leakage	Loose nut on solenoid valve	Re-torqued loose nut	2
6 OCT	07	12143 IRM bypass switch for A & E, C & G		Cyclic fatigue	Replaced switch	24
9 OCT	07	13011 IRM bypass switch for B & D, F & H		Cyclic fatigue	Replaced switch	18
9 OCT	07	13012 Recirc flow unit bypass switches		Cyclic fatigue	Replaced switch	5
11 OCT	07	13051 SRM manual bypass switch		None	Replaced switch	4
11 OCT	07	13052 Rod block mon. manual bypass switch		None	Replaced switch	6

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

Safety Related Electrical & Mechanical Maintenance Summary

OCT 1978

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DATE	SYSTEM	WORK REQUEST # COMPONENT #	HOW DETECTED	CAUSE OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE	REPAIR TIME HOURS
17 SEPT	10	11900 10-P-1A	Improper Indication	Worn operator linkage	Replaced broken linkage	10
14 OCT	10	12073 10 MOV 39B	LLRT	Excessive seat leakage	Replaced disc and seat	80
5 OCT	10	12126 10 MOV 31B	No valve operation	Incorrect wiring during motor reinstallation	Replaced damaged motor	14
14 OCT	10	13142 10 RHR 732B	LLRT	Packing & excessive seat leakage	Cleaned and repacked valve	10
6 OCT	11	11105 11 SLC 724A	Stiff valve operation	None	Repacked valve	8
7 OCT	11	11111 11-P-2B	Visual	Excessive packing gland leakage	Repacked pump	20
27 SEPT	11	12031 11-SLC-16	LLRT	Excessive seat leakage	Cleaned and reassembled valve	6
29 SEPT	12	12057 12-RWC-62	LLRT	Excessive seat leakage	Lapped valve	12
30 SEPT	12	12064 12-MOV-15	LLRT	Excessive seat leakage	Lapped valve	16

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

Safety Related Electrical & Mechanical Maintenance Summary

OCT 1978

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DATE	SYSTEM	WORK REQUEST # COMPONENT #	HOW DETECTED	CAUSE OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE	REPAIR TIME HOURS
6 OCT	12	12164 pipe weld	ISI	Weld indications	Ground weld indications	23
20 SEPT	13	11009 13-MOV-15	Letter	None	Inspect motor operation (LER-78-043/OR 78-065)	2
6 OCT	13	11924 13-RCIC-06	LLRT	Packing and seat leakage	Lapped valve	24
8 OCT	13	12123 13-RCIC-03	LLRT	Excessive seat leakage	Lapped valve	120
12 OCT	13	13049 13-RCIC-07	LLRT	Excessive seat leakage	Cleaned & lapped valve	30
19 SEPT	16	11805 Drywell emer. Access	N/A	None	Removed shielding and opened emergency access	589
20 SEPT	16	11008 20-MOV-82 20-MOV-94	Letter	None	Inspect motor operation (LER-78-043/OR 78-065)	6
7 OCT	23	3348 23-AOV-53		Wear	Replaced disc and repacked	25
30 SEPT	27	12065 27-AOV-118	Aural	Cylinder scored & nicked	Stoned cylinder and cleaned	20

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

Safety Related Electrical & Mechanical Maintenance Summary

OCT 1978

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DATE	SYSTEM	WORK REQUEST # COMPONENT #	HOW DETECTED	CAUSE OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE	REPAIR TIME HOURS
6 OCT	27	12154 27-VB-5	LLRT	Packing leakage	Tighten packing	0.5
10 OCT	27	13033 27-SOV-124A	LLRT	Excessive seat leakage	Lapped valve	8
7 OCT	29	12131 29-MST-717A	LLRT	Excessive packing leakage	Repacked valve	6
29 SEPT	71	11410 74 relays	Relay coil failures	None	Modification F1-78-022	64
12 OCT	71	13050 DCB-3	Battery ground	Ground on 33 MOV 101B	Repaired wire	15
20 SEPT	88	11094 88-CR-2	N/A	None	Performed preventive maintenance	2
4 OCT	MISC	12011 Misc	ISI	High crowns on several welds	Ground specific welds	107

JAMES A. FITZPATRICK NUCLEAR POWER PLANT

Maintenance Summary

INSTRUMENT AND CONTROL

1978

Date	System	Work Request # Component #	How Detected	Cause of Malfunction	Results of Malfunction	Action taken to Preclude Recurrence	Repair Time (Hours)
10/11/78	07	11892 SRM/IRM drive	N/A	N/A	N/A	SIL-273	4
10/11/78	07	12103 LPRM	N/A	N/A	N/A	Ran V/I curves	40
10/16/78	07	13133 flow unit "B"	ISP-63-1	Age	Bad test signal	Changed Q1	4
10/16/78	07	13134 flow unit "D"	ISP-63-1	Age	Low Voltage	Changed UR-1	4
10/17/78	07	13140 C & G IRM	ST-5M	Drift	Low Readings	Adjusted R10	4
10/24/78	07	11998 IRM F	OPS	Age/Use	Spikes High	Replaced Res. Tightened conn.	148
10/26/78	07	11886 TIP shear	N/A	N/A	N/A	Replaced shear valves	30
10/27/78	07	10831 TIP shear valve circuitry	N/A	N/A	N/A	SIL-269	30
10/28/78	07	12829 APRME	OPS (ST-5N)	Drift	Low Alarms	Adjusted pot	4
10/25/78	07	13180 IRM D	ISP-71	Poor Connection	Output shift	Repaired conn.	23
10/07/78	11	11576 11-TC-48	OPS	Drift	High temp.	F-ISP-82-1	12
10/30/78	12	9466/9048 TF-117F	ISP	Open ckt.	No Ind.	Tightened conn.	16

JAMES A. FITZPATRICK NUCLEAR POWER PLANT

Maintenance Summary

INSTRUMENT AND CONTROL

1978

Date	System	Work Request # Component #	How Detected	Cause of Malfunction	Results of Malfunction	Action taken to Preclude Recurrence	Repair Time (Hours)
10/20/78	Misc	X-104D 13064	OPS	Unknown	Low Pressure	Re-pressurized	6
10/05/78	02	<u>11432</u> 02-TS-121B	OPS	Drift	Low Readings	Adjusted Switch	8
10/17/78	02	<u>6215</u> 02-TT-157D	SK-239	Mfg. Defect	Improper op.	Replaced	16
10/20/78	02-3	<u>12069</u> 02-3-LI-91	OPS	N/A	N/A	Temp. Power	4
10/24/78	02	<u>8798</u> 02-TT-157A-D	OPS	Loose Connections	Hi Readings	Tightened Conn.	12
10/07/78	03	<u>8715</u> Select Matrix	OPS	Use	Erratic Operation	Replaced Switch	30
10/07/78	03	<u>8117</u> Rod select relays	OPS	Unknown	Erratic Operation	Found Okay	8
10/03/78	03	<u>11791</u> 14-39 full-in ind.	OPS	Age	No full-in light	Replaced Q16	6
10/06/78	03	<u>11866</u> 34-15 indication	OPS	Unknown	Erratic ind.	Could find no problem	4
10/31/78	06	<u>11983</u> inverters	N/A	N/A	BOP	Checks	10
10/05/78	07	<u>11947</u> IRM-H	OPS	Setpoint drift	Not full-in	Reset setpoint	280
10/13/78	07	<u>13131</u> ADDM "C"	OPS	Neutral removed	APRM "C" will not bypass	FDI-in progress on ADDM "A"	1

JAMES A. FITZPATRICK NUCLEAR POWER PLANT

Maintenance Summary

Instrument & Control

1978

Date	System	Work Request # Component #	How Detected	Cause of Malfunction	Results of Malfunction	Action taken to Preclude Recurrence	Repair Time (Hours)
10-5-78	99	11611 1 & 2 Camera	Security	Age	Bad picture	Adjusted camera	10
10-8-78	14	12105 14-MOV-13B	OPS	Loose screws	Air leakage	Tightened screws	10
10-18-78	17	13157 17-RM-456B	OPS	N/A	Alarms	None-running too close to setpoint	2
10-23-78	20	13180 20-IS-120	N/A	Mod. F1-78-30	N/A	N/A	16
10-30-78	20	13198 20-LT-120/121/A/B	N/A	N/A	N/A	N/A(Cal.)	120
10-6-78	27	8719 27-dtt-104B	OPS	Erratic Temp. Control	Bad transistor	Replaced Q4	20
10-6-78	27	11452 27-MAZ-101B	OPS	Use/Age	Erratic Temp. Control	Rebuilt TCV	20
10-31-78	71	12169 Relays	N/A	N/A	N/A	N/A	40
10-30-78	71	12811 Relays	N/A	N/A	N/A	N/A	8
11-1-78	71	13199 A Batt charger	OPS	N/A	N/A	Oper. error	6
10-8-78	76	12040 76-P-2	F-ST-76 B	Unknown	N/A	Found OK	3
10-20-78	76	13185 76-TH-25	F-ST-76J 17	Excess heat	N/A	Replaced	4