

OPERATING DATA REPORT

DOCKET NO. 50-333
 DATE Dec. 9, 1978
 COMPLETED BY E. Zufelt
 TELEPHONE (315) 342-3840

OPERATING STATUS

1. Unit Name: FitzPatrick
2. Reporting Period: 781101-781130
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	720	8016	29329
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	72.6%	70.9%
20. Unit Availability Factor	0	72.6%	70.9%
21. Unit Capacity Factor (Using MDC Net)	0	62.2%	66.4%
22. Unit Capacity Factor (Using DER Net)	0	60.6%	56.6%
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: December 7, 1978

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

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

Forecast	Achieved
_____	_____
_____	_____
_____	_____

Q 7812150274

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-333

UNIT JAFNPP

DATE Dec. 9, 1978

COMPLETED BY E. Zufelt

TELEPHONE (315) 342-3840

MONTH November 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>---</u>

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH November, 1978DOCKET NO. 50-333UNIT NAME JAFNPPDATE Dec. 9, 1978COMPLETED BY E. ZufeltTELEPHONE (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	720	C	2	NA	NA	NA	Refueling Outage (Cumulative hours to date 1819.9)

¹
F: Forced
S: Scheduled

²
Reason:
A-Equipment Failure (Explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License Exam
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

(9/77)

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

NARRATIVE SUMMARY OF OPERATING EXPERIENCE
NOVEMBER 1978

The refueling, maintenance and modification outage that began on September 16, 1978 continued throughout the month of November. Modification of Reactor Vessel Feedwater Nozzles, replacement of Feedwater Spargers, refueling and Local Leak Rate Testing of containment isolation valves have been completed. Integrated Leak Rate Testing of the primary containment structure is in progress on November 30th. Preparation for plant startup scheduled for December 7th, is also in progress.

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

1. The date of the next scheduled refueling outage is March, 19 80.
2. The scheduled date for restart following refueling is May, 19 80.
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.

Reload may include pressurized 8X8 Retrofit (P8X8R) Fuel

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 Unknown, 19 .
6. Answer the following important licensing considerations

	YES	NO
a) New fuel design?	<u> </u>	<u>N/A</u>
b) New fuel supplier?	<u> </u>	<u>N/A</u>
c) Are there any unreviewed design or performance analysis methods?	<u> </u>	<u>N/A</u>
d) Are there any new operating procedures?	<u> </u>	<u>N/A</u>
e) Other	<u>X</u>	<u> </u>

Specify: Factors in addition to the possible use of P8X8R fuel are
unknown at this time.

7. There are normally 560 fuel assemblies in the core during operation, presently there are 560 in the core.
8. a) There are 268 fuel assemblies of the licensed allowable 760 in the spent fuel pool.
b) An increase in the licensed storage capacity:

 is not being contemplated at this time.

 is being planned at this time for an additional fuel assemblies.

X has been requested for an additional 1484 fuel assemblies.

9. November, 19 81 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

Safety Related Electrical & Mechanical Maintenance Summary November 1978

DATE	SYSTEM	WORK REQUEST # COMPONENT #	HOW DETECTED	CAUSE OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE	REPAIR TIME HOURS
8 NOV	02	11393 Reactor Vessel	N/A	None	Reactor Vessel Disassembled	1464
14 NOV	02	12102 02-RWR-403	LLRT	Excessive Seat Leakage	Replaced Valve	30
19 NOV	02	12632 Spare CRD PI Coils	N/A	Failure Indicating Switches	Replaced Failed Components	10
1 NOV	03	8651 Scram Disch. Valve Under Piston Limit Switch (HCU 02-35)	VISUAL	Limit Switch Arms Out of Position	Repositioned Limit Switch Contact Arms	2
25 OCT	03	8851 CRD 30-11 Position Indication	Simultaneous Full-In and Full-Out Indication	Failed Position Indication Coil	Replaced CRD Position Indication Coil	2
16 NOV	03	11661 CRD Overhaul	N/A	None	Overhauled 10 CRD's	1439.5

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

Safety Related Electrical & Mechanical Maintenance Summary November 1978 Page 2

DATE	SYSTEM	WORK REQUEST # COMPONENT #	HOW DETECTED	CAUSE OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE	REPAIR TIME HOURS
6 NOV	03	12884 26-03 & 10-07 Scram Solenoid Valves	Air Leaks	Failed "O" Ring Seals	Replaced Valve's "O"-Rings	1
18 NOV	03	12937 46-27 Valve 03-111	Stem Leak	Packing Failure	Repacked Valve	1/2
16 NOV	03	12980 HCU 06-15	Frequent High Water Level Alarms	Leaking Seals	Replaced HCU Accumulator with Spare Unit Rebuilt Failed Accumulator	32
3 NOV	03	13176 26-03 & 35-31 Scram Pilot Solenoids	Air Leaks	Bonnet Screws Loose	Tighten Flange Screws	1
11 NOV	10	11971 10 MOV 27A	Packing Leak	Failed Packing	Repacked Valve	20
1 NOV	10	12068 10 MOV 31B	LLRT	Excessive Seat Leakage	Replace Seat Rings, Lapped Disc, Replaced Body to Bonnet Gaskets, Repacked Valve	70

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

Safety Related Electrical & Mechanical Maintenance Summary November 1978 Page 3

DATE	SYSTEM	WORK REQUEST # COMPONENT #	HOW DETECTED	CAUSE OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE	REPAIR TIME HOURS
4 NOV	10	12090 RHR-55A	Strainer Operation Difficult	Shaft Bushing Worn	Replaced Bushings	8
13 NOV	10	12910 10 MOV 66A	Packing Leak	Packing Failure	Repacked Valve	30
11 NOV	10	12934 10 MOV 17 & 18	Valve Torqued Out Before Shutting	None	Reset Torque Switches	6
16 NOV	10	12979 10-S-5A & B	N/A	None	Changed Strainers	2
17 NOV	10	12992 10 RHR 22D	Valve would not Shut	Yoke Bushing Backed out of Valve Yoke	Tacked Yoke Bushing to Yoke	2
21 OCT	11	11390 EV-24A & B	N/A	None	Performed ST-6E	12
3 NOV	13	11936 RCIC 04	LLRT	Excessive Seat Leakage	Lapped & Cleaned the Valve	157

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

Safety Related Electrical & Mechanical Maintenance Summary

November 1978

Page 4

DATE	SYSTEM	WORK REQUEST # COMPONENT #	HOW DETECTED	CAUSE OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE	REPAIR TIME HOURS
20 OCT	13	11937 RCIC 05	LLRT	Excessive Seat Leakage	Replaced Disc, Gasket & Seat Ring - Lapped Valve	72
18 OCT	13	11997 MOV-15	Administra- tively	Improper Motor Insulation	Rewound Motor with Proper Insulation	10
27 OCT	14	11975 14-P-1A	Visual	Loose Wire in Breaker	Taped Wire	2
8 NOV	14	12105 14-AOV-13B	Associated SOV Did Not Work	Seals Worn	Changed Seals	23
30 OCT	15	13181 RBC-31	LLRT	Excessive Seat Leakage	Replaced Gasket, Piston Spring, Cleaned Internals	28
19 NOV	16	11806 Emergency Drywell Access Hatch	N/A	None	Reinstalled Emergency Access Drywell Hatch	464
23 NOV	16	12672 X-4	LLRT	Excessive Leakage	Replace Drywell Dome Manway Cover	6

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

Safety Related Electrical & Mechanical Maintenance Summary November 1978 Page 5

DATE	SYSTEM	WORK REQUEST # COMPONENT #	HOW DETECTED	CAUSE OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE	REPAIR TIME HOURS
18 OCT	20	11995 MOV-94	Administratively	Improper Motor Insulation	Rewound Motor with Proper Insulation	5
18 OCT	20	11996 MOV-82	Administratively	Improper Motor Insulation	Rewound Motor with Proper Insulation	5
22 NOV	20	12661 AOV-95	Valve Wouldn't Operate	Solenoid Air Isolated	Unisolated Solenoid Air	3
21 NOV	20	13187 20-AOV-95 & 20-P-5A & B	N/A	Cooler Failure	Installed Mod F1-78-30	164
9 NOV	23	8723 MOV-15	Improper Close Indication	Improper Adjustment of Limitorque Barrels	Adjusted Barrels for Connect Valve Position Indication	6
31 OCT	23	11517 HPCI Graphic Display Lights	Administratively	Lights not Fed Thru 23A-F13 as Intended	Completed Mod F1-76-94	1
4 OCT	23	11935 HPI-65	LLRT	Excessive Seat Leakage	Lapped & Cleaned Valve	90
24 OCT	23	13146 HPI-11	LLRT	Excessive Seat Leakage	Lapped Valve	80

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

Safety Related Electrical & Mechanical Maintenance Summary November 1978

Page 6

DATE	SYSTEM	WORK REQUEST # COMPONENT #	HOW DETECTED	CAUSE OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE	REPAIR TIME HOURS
7 OCT	27	12152 VB-3	LLRT	Excessive Packing Leakage	Tighten Packing Gland	1
19 OCT	27	12153 VB-3 & 4	LLRT	Excessive Packing Leakage	Repacked VB-4, Adjusted VB-3	4
7 NOV	27	13166 CNS-2A	LLRT	Excessive Seat Leakage	Lapped & Cleaned Valve	25
3 NOV	27	13167 CNS-2C	LLRT	Excessive Seat Leakage	Installed New Disc & Lapped	30
23 OCT	27	13168 AOV-132B	LLRT	Excessive Seat Leakage	Lapped Valve	30
22 OCT	27	13169 CNS-2D	LLRT	Excessive Seat Leakage	Lapped & Cleaned Valve	30
9 NOV	27	13193 AOV-131A	LLRT	Excessive Seat Leakage	Lapped & Cleaned Valve	15
14 NOV	29	8787 AOV-80A	Visual	Packing Leak	Repacked Valve	8

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

Safety Related Electrical & Mechanical Maintenance Summary November 1978

Page 7

DATE	SYSTEM	WORK REQUEST # COMPONENT #	HOW DETECTED	CAUSE OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE	REPAIR TIME HOURS
23 OCT	29	11922 MOV-74	LLRT	Excessive Seat Leakage & Motor Failed	Lapped Valve, Repacked, Replaced Pressure Seal, Rewound Motor	68
10 NOV	29	12014 H29-247	ISI	Indication in Weld	Indication Removed & Weld Repaired	70.5
7 NOV	29	13113 AOV-86D	Improper Valve Position Indication	Incorrect Alignment	Adjusted Operating Arm	1
1 NOV	34	5576 NRV-111A	Audio	Piston Ring Leaking By	Installed New Ring, Cleaned Cylinder	24
18 NOV	70	12985 MOD-102B	Mod Did Not Operate & Fan Wouldn't Start	Overload out of adjustment & Bolt Binding on Linkage	Adjusted Overload & Linkage	4
31 OCT	71	12173 Penetration Sleeves	N/A	None	Sealed Electrical Penetrations In East Tunnel	5
28 OCT	71	12815 INV-3B	Breaker Tripped	Improper Breaker Switching Operation	Replaced Failed Internal Components	20

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

Safety Related Electrical & Mechanical Maintenance Summary November 1978 Page 8

DATE	SYSTEM	WORK REQUEST # COMPONENT #	HOW DETECTED	CAUSE OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE	REPAIR TIME HOURS
26 OCT	71	12820 MCC-162 & 143	N/A	Demineralized Valve Failed Spraying MCCs	Dried out Motor Starters & Replaced Control Voltage Transformer for 15-MOV-175B	20
2 NOV	71	12843 INV-3B	Breaker Tripped & Fuse Blew	Continuing Problem From 12815 (above)	Replaced Failed Internal Components	30
15 NOV	72	12988 FN-31A	Fan Would not Start	Motor was Single Phasing	Adjusted Contacts and Contactor Assembly	4
28 OCT	72	13190 FN-46A	Visual	Fan Belt Cracked in two Places	Replace Fan Belt	2
28 OCT	72	13191 FN-46C	Visual	Loose Fan Belt	Tighten Fan Belt	2
30 OCT	76	13031 FPS-122 & 123	Visual	Packing Leak	Repacked Valve	6
7 NOV	93	11757 EDG A & C	N/A	None	Performed Preventive Maintenance	250
7 NOV	93	11758 EDG B & D	N/A	None	Performed Preventive Maintenance	300

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

Safety Related Electrical & Mechanical Maintenance Summary November 1978

Page 9

DATE	SYSTEM	WORK REQUEST # COMPONENT #	HOW DETECTED	CAUSE OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE	REPAIR TIME HOURS
16 OCT	93	13129 EDG D Governor	Visual	None	Removed Bearing Retainer & Inspected Shaft	2
2 NOV	93	13172 EDG A, B, C Fresh Water Heat Exchanger	N/A	None	Inspected Baffles	12
10 OCT	MISC	10998 Hydraulic Snubbers	N/A	None	Perform Operational Test of Hydraulic Snubbers	Hours Listed On WR 10997
16 NOV	MISC	10999 Insulation	N/A	None	Removed & Reinstalled Insulation for ISI	2308.5
16 NOV	MISC	11000 ISI	N/A	None	Performed ISI	Hours Not Yet Submitted By Vendor

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)
11-6-78	02-3	12830 02-3-LI-201A	OPS	Torus Drained	Low Readings	Filled Water Leg	7
11-19-78	02	12890 02-TE-112A	I&C	Broken T/C	No Reading	Replaced T/C	12
11-18-78	02-3	11931 02-3-LR-98	OPS	N/A	Changed Recorder Sparger	Speed For Work	36
11-24-78	02-3	12647 02-3-TE-67A	I&C	Open/Short T/C	No Reading	Repaired T/C	24
11-15-78	03	12982 RMCS	OPS	Age	Rod Block	Replaced K23A/B	4
11-15-78	03	12983 RSCS	OPS	Drift	Rod Block	Adjusted 5V Power Supply	10
11-22-78	03	12643 RSCS	N/A	N/A	N/A	Check for SIL 282	20
11-11-78	07	12931 IRM-D	OPS	Op Amp Bad	Downscale	Replaced Op Amp	10
11-16-78	07	12977 "A" SRM	OPS	Loose Connector	Downscale	Replaced Conn.	22

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)
11-16-78	07	13124 Thermal Power Monitor	MOD. F1-78-23	N/A	N/A	N/A	420
11-17-78	07	13109 IRM "F"	OPS	Loose Conn.	Erratic Readings	Cleaned; Reassembled	6
11-20-78	07	13110 IRM "G" Recorder	OPS	Bad Amp	Low Readings	Replaced Amp	10
11-25-78	07	11873 TIP Tubing	N/A	N/A	N/A	Replaced TIP Tubing	680
11-28-78	07	12712 SRM-D	OPS	Loose End Conn.	Drift	Tightened Conn.	3
11-3-78	08	12861 Load Cell	OPS	Age/Use	N/A	Replaced Load Cell	32
11-6-78	11	12859 11-LA-Q70	OPS	N/A	N/A	N/A	1
11-24-78	11	12660 11-LI-66	OPS	Line Plugged	Hi Readings	Blew Out Lines	8

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)
11-19-78	14	13091 14-AOV-13A	OPS	Loose Screws	Air Leakage	Tightened Screws	9
11-25-78	20	12661 20-AOV-95	OPS	Bad SOV	Valve Does Not Operate	Replaced SOV	8
11-14-78	23	886 MOD F1-76-59	N/A	N/A	N/A	N/A	150
11-14-78	23	12895 23-PS-85C	ISP-22	Age	Hard to Adj.	Replaced	14
11-28-78	23	12686 23-LT-201C	OPS	Torus Drained/ Refilled	Low Readings	ISP-24-2	8
11-14-78	24	12908 Door Seals	OPS	Age/Use	Air Leaks	Replaced Reg.	18
11-27-78	27	11487 27-MAZ-101A	OPS	Unknown	High Readings	ISP-30	8
11-10-78	29	11553 29-AOV-86C	OPS	Unknown	10% LS Did Not Reset	Found OK	2
11-10-78	29	11538 29-AOV-86D	OPS	Dirty Speed Control Sincr.	Slow to Close	Replaced	2

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)
11-11-78	29	<u>12817</u> 29-AOV-86C	OPS	Unknown	Unknown	None	1
11-17-78	70	<u>12987</u> 70-MOD-108/109	OPS	Binding	Bad Bellows	Replaced	6
11-1-78	71	<u>13199</u> A Batt Charger	OPS	N/A	N/A	Oper. Error	6
11-10-78	93	<u>12928</u> 93-AC-A2	OPS	Drift	A/C Failed to Start	Re-caled.	3
11-22-78	93	<u>11834</u> EDG-A, B, C & D	N/A	N/A	N/A	Cals.	250