OPERATING DATA REPORT

DOCKET NO. 50-333

DATE November 1982

COMPLETED BY J. Cook
TELEPHONE (315)342-3840

1. Unit Name: FITZPATRICK 2. Reporting Period: 821001 - 821031 3. Licensed Thermal Power (MWt): 2436	Notes	
2. Reporting Period: 821001 - 821031		
2/26		
4. Nameplate Rating (Gross MWe): 883		
5. Design Electrical Rating (Net MWe): 821		
6 Maximum Dependable Canacity (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 Rea	isons:
9. Power Level To Which Restricted, If Any (Net MWe):	NONE	
0. Reasons For Restrictions, If Any:		
This Month	Yrto-Date	Cumulative
1. Hours In Reporting Period 745	7296	63673
Number Of Hours Reactor Was Critical 494.5	5376.9	44928.1
3. Reactor Reserve Shutdown Hours 0	0	0
4. Hours Generator On-Line 478.5	5258.1	43701.7
5. Unit Reserve Shutdown Hours 0	0	0
6. Gross Thermal Energy Generated (MWH) 1015776	12061416	90462730
7 Gross Electrical Energy Generated (MWH) 339140	4081040	30841650
8. Net Electrical Energy Generated (MWH) 329095	3960240	29864970
9. Unit Service Factor 64.2		68.6%
0. Unit Availability Factor 64.2	72.1%	68.6%
1. Unit Capacity Factor (Using MDC Net) 54.5		62.0%
2. Unit Capacity Factor (Using DER Net) 53.8		57.1%
3. Unit Forced Outage Rate 35.8		15.9%
4. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duratio	n of Each):	
5. If Shut Down At End Of Report Period, Estimated Date of Startup:		
6. Units In Test Status (Prior to Commercial Operation):	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-333

UNIT JAFNPP

DATE NOVEMBER 1982

COMPLETED BY J. COOK

TELEPHONE (315)342-3840

AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY A	(VERAGE DAILY POWER LEVEL (MWe-Net)
792	17	
795	18	67
799	19 _	367
797	20	442
797	21 -	450
795	22	512
393	23	636
	24 _	730
	25	785
	26	791
	27 _	794
	28	794
	29 —	788
	30 _	628
	31 _	767

SUMMARY: The FitzPatrick plant operated at near full thermal power during this reporting period with one outage due to main steam isolation failure and one power reduction for condensate booster pump repair.

UNIT SHUTDOWNS AND POWER REDUCTIONS

50-333 DOCKET NO. JAFNPP UNIT NAME NOVEMBER 1982 DATE J. COOK (315) 342-3840 COMPLETED BY TELEPHONE

REPORT MONTH OCTOBER 1982

No.	Date	Typel	Duration (Hours)	Reason"	Method of Shutting Down Reactor 3	Licensee Event Report #	System Code4	Component Code5	Cause & Corrective Action to Prevent Recurrence
7	821007	F	266.5	A	3	82-047	НВ	VALVEX	"D" inboard MSIV failure due to disc seperation from stem. Repaired valve with two anti- rotation pins.
8	821030	S	0	Н	4	N/A	нн	PUMPXX	Reduced power for "A" condensate booster pump repair

F: Forced

S: Scheduled

Reason:

A-Equipment Failure (Explain)

B-Maintenance of Test

C-Refueling

D-Regulatory Restriction E-Operator Training & License Examination

F-Administrative

G-Operational Error (Explain)

II-Other (Explain)

3 Method:

1-Manual

2-Manual Scram.

3-Automatic Scram.

4-Other (Explain)

Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

Exhibit 1 - Same Source

NARRATIVE SUMMARY OF OPERATING EXPERIENCE NOVEMBER, 1982

The unit operated at near full thermal power for the first six days of the reporting period. On 821007 the unit tripped due to failure of the "D" inboard main steam isolation valve and on 821030 power was reduced for "A" condensate booster pump repair.

At the end of the reporting period the unit is operating at approximately 767 MWe.

SAFETY RELATED ELECTRICAL & MECHANICAL MAINTENANCE SUMMARY

DATE	SYSTEM	WORK REQUEST # COMPONENT #	HOW DETECTED	CAUSE OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE	REPAIR TIME HOURS
0/15	23	21810 HPI-52	VISUAL	Worn packing	Repacked	6
0/15	10	18317 RHR-755B, 756B,757B, 758B	OPS	Using pipe wrenches and channel locks on valve stems	Replaced valve stems and handwheels, repacked	32
.0/15	10	18758 RHR-755A, 756A,757A, 758A	OPS	Handwheels vibrated off	Replaced handwheels	2
.0/16	27	18760 'L' Target Rock	OPS	Air line worn through	Replaced damaged portion of air line, wrapped to prevent further abrasion	8
.0/15	23	21801 AOV-53	VISUAL	Blown bonnet gasket	Replaced bonnet gasket	16
0/15	10	16209 RHR-14D	N/A	N/A	Replaced carbon steel cotter pin with stainless steel	3
.0/15	10	16208 RHR-14B	N/A	N/A	Replaced carbon steel cotter pin with stainless steel	3
.0/14	23	20947 Steam Trap Drain Valve	VISUAL	Worn packing	Repacked	2
0/14	23	18342 HPI-900	VISUAL	Worn packing	Repacked	2

SAFETY RELATED ELECTRICAL & NECHANICAL MAINTENANCE SUMMARY

DATE	SYSTEM	WORK REQUEST # COMPONENT #	HOW DETECTED	CAUSE OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE	REPAIR TIME HOURS
10/16	29	18806 MSIV AOV-86D	OPS	Maintenance work on valve	Adjusted limit switches	2.5
10/16	29	14976 MSIV AOV-80-A-D	N/A	N/A	Installed new 90% limit switches per MI-82-80	95
10/15	46	16222 ESW-1B	N/A	N/A	Replaced carbon steel cotter pin with stainless steel	3
10/13	02-2	16375 Grinnell snubbers	VISUAL	Oil leaks	Visual inspection	3
10/7	01-125	18235 Standby Gas Filter F-2A	OPS	Depleted charcoal absorption capacity	Replaced charcoal	60
10/13	02	20857 RV-71F	TEMPERATURE INDICATION	Leaking first stage valve	Replaced first stage	116
10/10	10	17710 MOV-21A	VISUAL	Deteriorated sealtite	Replaced sealtite with NWC type	7
10/10	23	20995 HPCI drain- line	VISUAL	Eroded/corroded fitting	Replaced fitting	12
10/12	27	11360 Primary containment Hi-Hi-Rad relays	N/A	N/A	Completed Step 8 (1-4) of ECR 80-16-34	6

SAFETY RELATED ELECTRICAL & MECHANICAL MAINTENANCE SUMMARY

DATE	SYSTEM	WORK REQUEST # COMPONENT #	HOW DETECTED	CAUSE OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE	REPAIR TIME HOURS
10/12	29	16380 MSIV AOV-80D	OPS Caused shutdown	Pilot disk to stem locking pin sheared	Installed two interference fit pins instead of one, in both pilot to stem and piston to main disc	192
10/73	29	18796 MSIV AOV-860	OPS Testing indicated valve was seperated	No malfunction. This valve was not broken	Installed two interference fit lock pins instead of one, in both pilot to stem and piston to main disc	170
10/9	7 -	17126 AC-A2, B2	N/A	N/A	Traced circuits to correct drawings	25
10/13	71	14975 1E Junction Boxes	N/A	N/A	Drilled ½" weepholes in boxes per MI-82-082	16
10/15	23	14312 P-1	VISUAL	Broken nipple	Replaced nipple	3
0/14	23	18330 MOV-14	VISUAL	Worn packing	Repacked	20
.0/17	71	14891 Bkr-10404	N/A	N/A	Performed preventative maintenance	10
.0/15	71	14392 Bkr-10614	N/A	N/A	Performed preventative maintenance	12
10/16	71	14893 Bkr-10612	N/A	N/A	Performed preventative maintenance	5
10/15	71	14894 Bkr-10602	N/A	N/A	Performed preventative maintenance	5

SAFETY RELATED ELECTRICAL & MECHANICAL MAINTENANCE SUMMARY

DATE	SYSTEM	WORK REQUEST # COMPONENT #	HOW DETECTED	CAUSE OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE	REPAIR TIME HOURS
10/15	71	14895 Bkr-10604	N/A	N/A	Performed preventative maintenance	5 .
10/15	71	14896 Bkr-10660	N/A	N/A	Performed preventative maintenance	13
10/16	71	14816 IBC-3, 4	N/A	N/A	Connected temporary power supply to nuclear instruments for bus outage and disconnected	6
10/16	13	19122 MOV-16	VISUAL	Worn packing	Repacked	6
0/16	13	18537 MOV-131	VISUAL	Worn packing and thermal cycling	Repacked and replaced pressure seal	6
0/16	02	20884 MOV-53B,54B	OPS	Worn packing	MOV-53B torqued packing MOV-54B repacked	10
.0/19	27	18870 AOV-132A	OPS	Limit switch out of adjustment	Adjusted limit switch	4
10/20	93	18861 ECP-D	OPS	No power indication	Replaced lamp	.5
10/20	27	18869 SV-114B	OPS	Relief valve out of adjustment	Reset valve	17
10/16	34	18801 FWS-28B	VISUAL	Blown bonnet gasket	Machined bonnet to remove steam cut-replaced gasket	34
10/16	02	19246 P-1B	PRESSURE INDICATION	Worn seal-some evidence of thermal shock	Replaced shaft seal with a rebuilt cartridge	306

MAINTENANCE SUMMARY

_I&C OCTOBER 1982

DATE	SYSTEM	WORK REQUEST # COMPONENT #	HOW DETECTED	CAUSE OF MALFUNCTION	RESULTS OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE	REPAIR TIME HOURS
10/12	02	18219 PS-134C	1&C	Use, normal wear	Drain valve leaks	Replaced drain valve	2 ,
10/12	02	18234 PS-128B	1&C	Use, normal wear	Test valve leaks	Replaced test valve	. 5
10/11	02	20326 TR-165	OPS	Possible loose connection	Red pen indicating downscale	Tightened all connections	18
10/14	02	20826 VRM-71F	I&C	Defective pre amp	No bias adjustment	Replaced pre	4
10/16	02-3	18142 LI-85A	OPS	Defective amplifier board	Indicator failed downscale	Replaced amp, re-aligned unit	20
10/08	02-3	18191 FR/PR-95	OPS	Recorder dirty	Recorder sticks	Cleaned and calibrated	3
9/30	02-3	18215 LI-85B	OPS	Instrument drift	Scale out of calibration	Per ISP-3.5 adjusted span and zero	20
10/12	02-3	18225 PS-52A	I&C	Use, normal wear	Test valve leaks	Replaced valve	1
10/13	02-3	20332 LIS-72A-D	I&C	Use	Vent valves on yarways worn	Replaced vent valves	10
10/11	03	18186 34-39	OPS	Defective rod select switch	Unable to select rod 34-	Replaced select push button	10
10/17	03	18666 26-51	OPS	Broken wire on select switch 26-51	Unable to select rod 26- 51	Replaced broken wire	3

MAINTENANCE SUMMARY

I&C OCTOBER 1982

DATE	SYSTEM	WORK REQUEST # COMPONENT #	HOW DETECTED	CAUSE OF MALFUNCTION	RESULTS OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE	REPAIR TIME HOURS
10/17	03	18866 26-51	OPS	Broken wire on rod select switch	Unable to select rod 26- 51	Replaced broken wire	3
10/11	03	20829 HCU (var)	I&C	Tests indicated need to reset	Performed IMP- 3.5 on various HCU	Tested units per WRED	50
10/14	07	18126 10-39	OPS	Corrosion on connector pins	Full in/full out light inop	Cleaned connector	21
10/17	07	18237 Tip D	RXA	None	Verify core tops for D machine	Hand probed tip tubes for tops	8
10/08	07	18243 IRM B	I&C	VR2 in mean square analog unit	No downscale trip on IRM B	Replaced VR2	14
10/11	07	13425 LPRM 28-21	OPS	Connector under vessel broken	28-21A downscale	Replaced connector	9
10/11	07	18511 LPRM 12-45	OPS	Dirty connector under vessel	12-45D downscale	Cleaned and tightened connector	5
10/29	07	18901 PR-46B	OPS	Gain set too low	Recorder not indicating normal	Adjusted gain	2
10/25	07	18969 34-07	OPS	Bad bulbs	No lights for rod 34-07, 26-15	Replaced bulbs ran IMP-3.7	3
10/21	07	18972 APRM E	OPS	None	None	Reset inop to 11/10 from 12/11	1
10/26	07	18988 APRMS	RXA	None	Check rod block setpoints	Checked as requested	11.5

MAINTENANCE SUMMARY

I&C OCTOBER 1982

DATE	SYSTEM	WORK REQUEST # COMPONENT #	HOW DETECTED	CAUSE OF MALFUNCTION	RESULTS OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE	REPAIR TIME HOURS
10/24	07	18990 Tip D	OPS	Momentum of selector switch	Ready light not on	None, rec. chng 1 ch at a time	4
10/12	07	19544 26-47	OPS	Rod select push button failed	RBM A won't select for 26-47	Replaced select push button	7 .
10/11	07	19654 LPRM 20-29	OPS	Dirty connector under vessel	20-29A erratic	Cleaned connector	3
10/12	07	19738 10-35	OPS	Rod select push button failed	RBM B won't select for 10-35	Replaced sėlect push button	5
10/01	08	21752 Air Comp	OPS	Vibration	Disch. press gauge broken	Replaced gauge	4
10/27	16	18987 Elec Pens	OPS	Possible leakage	Lower than normal pressure	Charged X-104D C/X-101C/X- 103A	15
10/26	16-1	18928 DPIT-102	I&C	Dead battery	MV outpút at zero, no changes	Replaced battery	4
10/17	17	18759 RM-150B	OPS	V2 voltage high from power srg	Spurious downscale trips	Calibrated per ISP-19	6
10/12	17	18810 RR-433	OPS	Defective chart drive motor	Chart paper not advancing	Replaced chart drive motor	4
8/13	17	20934 RIS-459	OPS	Improper probe hi voltage	Ins drift	Set to proper voltage	4
9/22	20	18158 FR-528	I&C	Br during ISP-15	Br indicator arm	Replaced indicator arm	8

MAINTENANCE SUMMARY

I&C OCTOBER 1982

DATE	SYSTEM	WORK REQUEST # COMPONENT #	HOW DETECTED	CAUSE OF MALFUNCTION	RESULTS OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE	REPAIR TIME HOURS
10/14	20	20334 DWL sumps	I&C	Numerous adj during operation	Several instruments out of calibration	Recalibrated all sump loops	300
10/06	27	18218 H ₂ -AZ-101A	OPS	Analyzer needed calibration	Hydrogen analyzer downscale	Calibrated per ISP-30	12
10/16	29	14856 AOV-86D	OPS	Loose guide bar on 90% switch	Switch not operating correctly	Tightened bar, set switch	10
10/16	29	14976 AOV-80A-D	OPS	Modification of 90% limit switch	Post work calibration	Calibrated 90% switches	30
10/16	29	18865 AOV-80A	OPS	90% switch wiring error	Relays not energized with valve open	Corrected wiring error	15
10/17	29	18867 AOV-86D	OPS	Cam upper plate loose	90% switch won't reset	Tightened cam, checked setpoint	6
10/26	46	22001 PI-112A	OPS	None	Check calibration	None required	1
10/27	68	22059 TR-103	OPS	Rear cable disconnected	Recorder will not operate	Installed cable calibrated	6
10/04	71	14863 Bat. A vm	OPS	Völtmeter out of calibration	Station battery low volts	Calibrated indicator	4
10/08	71	20831 RPS-EPA	I&C	None	None	Verified setpoints	2
10/17	71	20836 10600 BUS	I&C	Routine calibration of relays	None	Calibrated 10600 BUS relay	s 198

MAINTENANCE SUMMARY

_I&C OCTOBER 1982

DATE	SYSTEM	WORK REQUEST # COMPONENT #	HOW DETECTED	CAUSE OF MALFUNCTION	RESULTS OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE	REPAIR TIME HOURS
10/28	71	22104 10614	OPS	None	Check relay set points	Checked as directed	8
10/22	76	18814 Zone 2	OPS	Defective input module	Supervisory alarm in	Replaced module	32 `
10/26	76	18973 Zone 12	OPS	Defective input module	Supervisory alarm in	Replaced module	16
10/12	93	17610 Temp Selec	OPS	Loose pointer dial	Select switch out of synch	Tightened as required	12
				1			