SNC·LAVALIN	I/O LIST - PLC-F81	Document No. 691232-0000-48EL-0001
		Revision: 00

Client: The City of Winnipeg	Date: 2023-03-02
Project: Bannatyne Flood Pumping Station - 2023 Upgrades	Engineer's Seal
Area: Bannatyne Flood Pumping Station	
Prepared By — Name: Nick Eschuk	
Checked By — Name: Mladen Saric	
Approved By — Name: Brian Cleven	

PROVINCE OF MANITOBA
M. SARIC
Member
46571
REGISTERED PROFESSIONAL ENGINEER
2023-03-03

REV 00

Notes / Comments

Input & Output signal addresses associated with Bannatyne Station PLC-F81.

Reference Drawings:
1-0118F-A0005-001 - I/O Wiring Control Panel CP-F81 Discrete Inputs Rack 01, Module 04
1-0118F-A0006-001 - I/O Wiring Control Panel CP-F81 Discrete Inputs Rack 01, Module 05
1-0118F-A0007-001 - I/O Wiring Control Panel CP-F81 Discrete Inputs Rack 01, Module 05
1-0118F-A0008-001 - I/O Wiring Control Panel CP-F81 Discrete Outputs Rack 01, Module 07
1-0118F-A0009-001 - I/O Wiring Control Panel CP-F81 Analog Inputs Rack 01, Module 09
1-0118F-A0010-001 - I/O Wiring Control Panel CP-F81 Analog Inputs Rack 01, Module 10
1-0118F-A0011-001 - I/O Wiring Control Panel CP-F81 Analog Inputs Rack 01, Module 11

Revisions

Rev	Description	Date	By	Checked	Approved
00	Issued for Construction, Tender 167-2003	2023-03-02	M. Saric	B. Cleven	B. Cleven

PLC Card	Fuse Number	Term Block	Term Number	Wire Tag	Rack	Module	Point	DNP3 Addr.	Tag	Description	Fail Safe (F/S)	0 State/ EU Minimum	1 State/ EU Maximum	I/O Type	Interface	Field Type	Notes
Discrete Input (BMX DDI 3202K)	F204A	TB04	1	I1	00	04	00	00	HS-F522	Alarm Test Mode		Normal	Alarm Test Mode	DI - 24VDC Wet	N/A	24VDC Dry	
	F204A	TB04	2	I2	00	04	01	01	LSH-S529	Weir Manhole Overflow	F/S	Alarm	Normal	DI - 24VDC Wet	N/A	24VDC Dry	
	F204A	TB04	3	I3	00	04	02	02	LSH-F100	Wet Well High Level	F/S	Alarm	Normal	DI - 24VDC Wet	N/A	24VDC Dry	
	F204A	TB04	4	I4	00	04	03	03	LSHH-F101	Wet Well High High Level	F/S	Alarm	Normal	DI - 24VDC Wet	N/A	24VDC Dry	
	F204A	TB04	5	I5	00	04	04	04	LSH-F501	Dry Well Flooding	F/S	Alarm	Normal	DI - 24VDC Wet	N/A	24VDC Dry	
	F204A	TB04	6	I6	00	04	05	05		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F204A	TB04	7	I7	00	04	06	06	YAF-F500	Level Transmitter Loss of Echo	F/S	Alarm	Normal	DI - 24VDC Wet	N/A	24VDC Dry	
	F204A	TB04	8	I8	00	04	07	07	ESL-F721	MCC-F72 600 VAC Power Fail Alarm	F/S	Alarm	Normal	DI - 24VDC Wet	N/A	24VDC Dry	
	F204A	TB04	9	I9	00	04	08	08	ESL-F528	120 VAC Power Fail Alarm	F/S	Alarm	Normal	DI - 24VDC Wet	N/A	24VDC Dry	
	F204A	TB04	10	I10	00	04	09	09	XS-F711	MCC-F71 TVSS Status	F/S	Alarm	Normal	DI - 24VDC Wet	N/A	24VDC Dry	
	F204A	TB04	11	I11	00	04	10	10		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F204A	TB04	12	I12	00	04	11	11	YA-F543	UPS Alarm		Normal	Alarm	DI - 24VDC Wet	N/A	24VDC Dry	
	F204A	TB04	13	I13	00	04	12	12	YS-F543-1	UPS On Battery		Normal	On Battery	DI - 24VDC Wet	N/A	24VDC Dry	
	F204A	TB04	14	I14	00	04	13	13	YS-F543-2	UPS Battery Charging		Not Charging	Charging	DI - 24VDC Wet	N/A	24VDC Dry	
	F204A	TB04	15	I15	00	04	14	14	YS-F508-2	PLC Mode		Off	PLC Mode	DI - 24VDC Wet	N/A	24VDC Dry	
	F204A	TB04	16	I16	00	04	15	15		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F204B	TB04	17	I17	00	04	16	16	HS-F523	Station Enabled Switch		Off	Station Enabled	DI - 24VDC Wet	N/A	24VDC Dry	
	F204B	TB04	18	I18	00	04	17	17	HS-F508-3	Reset		-	-	DI - 24VDC Wet	N/A	24VDC Dry	For Future Applications
	F204B	TB04	19	I19	00	04	18	18	HS-F600	Station Occupied		Not Occupied	Occupied	DI - 24VDC Wet	N/A	24VDC Dry	
	F204B	TB04	20	I20	00	04	19	19		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F204B	TB04	21	I21	00	04	20	20		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F204B	TB04	22	I22	00	04	21	21		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F204B	TB04	23	I23	00	04	22	22	PDSH-F611	Main Supply Fan Air Filter Plugged	F/S	Plugged	Normal	DI - 24VDC Wet	N/A	24VDC Dry	
	F204B	TB04	24	I24	00	04	23	23	PSL-F526	Seal Water Loss Supply Loss	F/S	Alarm	Normal	DI - 24VDC Wet	N/A	24VDC Dry	
	F204B	TB04	25	I25	00	04	24	24		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F204B	TB04	26	I26	00	04	25	25		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F204B	TB04	27	I27	00	04	26	26		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F204B	TB04	28	I28	00	04	27	27		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F204B	TB04	29	I29	00	04	28	28		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F204B	TB04	30	I30	00	04	29	29		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F204B	TB04	31	I31	00	04	30	30		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F204B	TB04	32	I32	00	04	31	31		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
Discrete Input (BMX DDI 3202K)	F205A	TB05	33	I33	00	05	00	32	YL-F010	Flood Pump P-F01 Ready		Not Ready	Ready	DI - 24VDC Wet	N/A	24VDC Dry	
	F205A	TB05	34	I34	00	05	01	33	YLR-F010	Flood Pump P-F01 Running		Off	Running	DI - 24VDC Wet	N/A	24VDC Dry	
	F205A	TB05	35	I35	00	05	02	34	YAF-F010	Flood Pump P-F01 Soft Starter Fault		Normal	Fault	DI - 24VDC Wet	N/A	24VDC Dry	
	F205A	TB05	36	I36	00	05	03	35	HS-F010-1A	Flood Pump P-F01 Automatic Mode		Not Auto Mode	Auto Mode	DI - 24VDC Wet	N/A	24VDC Dry	
	F205A	TB05	37	I37	00	05	04	36	HS-F010-1M	Flood Pump P-F01 Manual Mode		Not Manual Mode	Manual Mode	DI - 24VDC Wet	N/A	24VDC Dry	
	F205A	TB05	38	I38	00	05	05	37	FSL-F011	Flood Pump P-F01 Seal Water Flow		Off	Flowing	DI - 24VDC Wet	N/A	24VDC Dry	
	F205A	TB05	39	I39	00	05	06	38		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F205A	TB05	40	I40	00	05	07	39		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F205A	TB05	41	I41	00	05	08	40		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F205A	TB05	42	I42	00	05	09	41		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F205A	TB05	43	I43	00	05	10	42		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F205A	TB05	44	I44	00	05	11	43		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F205A	TB05	45	I45	00	05	12	44		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F205A	TB05	46	I46	00	05	13	45		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F205A	TB05	47	I47	00	05	14	46		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F205A	TB05	48	I48	00	05	15	47		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F205B	TB05	49	I49	00	05	16	48	YL-F020	Flood Pump P-F02 Ready		Not Ready	Ready	DI - 24VDC Wet	N/A	24VDC Dry	
	F205B	TB05	50	I50	00	05	17	49	YLR-F020	Flood Pump P-F02 Running		Off	Running	DI - 24VDC Wet	N/A	24VDC Dry	
	F205B	TB05	51	I51	00	05	18	50	YAF-F020	Flood Pump P-F02 Soft Starter Fault		Normal	Fault	DI - 24VDC Wet	N/A	24VDC Dry	
	F205B	TB05	52	I52	00	05	19	51	HS-F020-2A	Flood Pump P-F02 Automatic Mode		Not Auto Mode	Auto Mode	DI - 24VDC Wet	N/A	24VDC Dry	
	F205B	TB05	53	I53	00	05	20	52	HS-F020-2M	Flood Pump P-F02 Manual Mode		Not Manual Mode	Manual Mode	DI - 24VDC Wet	N/A	24VDC Dry	
	F205B	TB05	54	I54	00	05	21	53	FSL-F021	Flood Pump P-F02 Seal Water Flow		Off	Flowing	DI - 24VDC Wet	N/A	24VDC Dry	
	F205B	TB05	55	I55	00	05	22	54		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F205B	TB05	56	I56	00	05	23	55		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F205B	TB05	57	I57	00	05	24	56		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F205B	TB05	58	I58	00	05	25	57		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F205B	TB05	59	I59	00	05	26	58		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F205B	TB05	60	I60	00	05	27	59		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F205B	TB05	61	I61	00	05	28	60		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F205B	TB05	62	I62	00	05	29	61		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F205B	TB05	63	I63	00	05	30	62		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F205B	TB05	64	I64	00	05	31	63		Spare				DI - 24VDC Wet	N/A	24VDC Dry	

PLC Card	Fuse Number	Term Block	Term Number	Wire Tag	Rack	Module	Point	DNP3 Addr.	Tag	Description	Fail Safe (F/S)	0 State/ EU Minimum	1 State/ EU Maximum	I/O Type	Interface	Field Type	Notes
Discrete Input (BMX DDI 3202K)	F206A	TB06	65	I65	00	06	00	64	YL-F030	Flood Pump P-F03 Ready		Not Ready	Ready	DI - 24VDC Wet	N/A	24VDC Dry	
	F206A	TB06	66	I66	00	06	01	65	YLR-F030	Flood Pump P-F03 Running		Off	Running	DI - 24VDC Wet	N/A	24VDC Dry	
	F206A	TB06	67	I67	00	06	02	66	YAF-F030	Flood Pump P-F03 Soft Starter Fault		Normal	Fault	DI - 24VDC Wet	N/A	24VDC Dry	
	F206A	TB06	68	I68	00	06	03	67	HS-F030-3A	Flood Pump P-F03 Automatic Mode		Not Auto Mode	Auto Mode	DI - 24VDC Wet	N/A	24VDC Dry	
	F206A	TB06	69	I69	00	06	04	68	HS-F030-3M	Flood Pump P-F03 Manual Mode		Not Manual Mode	Manual Mode	DI - 24VDC Wet	N/A	24VDC Dry	
	F206A	TB06	70	I70	00	06	05	69	FSL-F031	Flood Pump P-F03 Seal Water Flow		Off	Flowing	DI - 24VDC Wet	N/A	24VDC Dry	
	F206A	TB06	71	I71	00	06	06	70		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F206A	TB06	72	I72	00	06	07	71		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F206A	TB06	73	I73	00	06	08	72		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F206A	TB06	74	I74	00	06	09	73		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F206A	TB06	75	I75	00	06	10	74		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F206A	TB06	76	I76	00	06	11	75		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F206A	TB06	77	I77	00	06	12	76		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F206A	TB06	78	I78	00	06	13	77		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F206A	TB06	79	I79	00	06	14	78		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F206A	TB06	80	I80	00	06	15	79		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F206B	TB06	81	I81	00	06	16	80	YL-F040	Flood Pump P-F04 Ready		Not Ready	Ready	DI - 24VDC Wet	N/A	24VDC Dry	
	F206B	TB06	82	I82	00	06	17	81	YLR-F040	Flood Pump P-F04 Running		Off	Running	DI - 24VDC Wet	N/A	24VDC Dry	
	F206B	TB06	83	I83	00	06	18	82	YAF-F040	Flood Pump P-F04 Soft Starter Fault		Normal	Fault	DI - 24VDC Wet	N/A	24VDC Dry	
	F206B	TB06	84	I84	00	06	19	83	HS-F040-4A	Flood Pump P-F04 Automatic Mode		Not Auto Mode	Auto Mode	DI - 24VDC Wet	N/A	24VDC Dry	
	F206B	TB06	85	I85	00	06	20	84	HS-F040-4M	Flood Pump P-F04 Manual Mode		Not Manual Mode	Manual Mode	DI - 24VDC Wet	N/A	24VDC Dry	
	F206B	TB06	86	I86	00	06	21	85	FSL-F041	Flood Pump P-F04 Seal Water Flow		Off	Flowing	DI - 24VDC Wet	N/A	24VDC Dry	
	F206B	TB06	87	I87	00	06	22	86		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F206B	TB06	88	I88	00	06	23	87	YLR-F620	Supply Fan SF-F62 Running		Off	Running	DI - 24VDC Wet	N/A	24VDC Dry	
	F206B	TB06	89	I89	00	06	24	88	YA-F620	Supply Fan SF-F62 Overload		Normal	Overload	DI - 24VDC Wet	N/A	24VDC Dry	
	F206B	TB06	90	I90	00	06	25	89		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F206B	TB06	91	I91	00	06	26	90		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F206B	TB06	92	I92	00	06	27	91		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F206B	TB06	93	I93	00	06	28	92		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F206B	TB06	94	I94	00	06	29	93		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F206B	TB06	95	I95	00	06	30	94		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
	F206B	TB06	96	I96	00	06	31	95		Spare				DI - 24VDC Wet	N/A	24VDC Dry	
Discrete Output (BMX DDO 1602)	F207	TB07	1	Q1	00	07	01	96	YCR-F010	Flood Pump P-F01 Run Command		Stop Command	Run Command	DO - 24VDC Wet	24 VDC / 24 VDC Relay	24VDC Dry	
	F207	TB07	2	Q2	00	07	02	97	YCR-F020	Flood Pump P-F02 Run Command		Stop Command	Run Command	DO - 24VDC Wet	24 VDC / 24 VDC Relay	24VDC Dry	
	F207	TB07	3	Q3	00	07	03	98	YCR-F030	Flood Pump P-F03 Run Command		Stop Command	Run Command	DO - 24VDC Wet	24 VDC / 24 VDC Relay	24VDC Dry	
	F207	TB07	4	Q4	00	07	04	99	YCR-F040	Flood Pump P-F04 Run Command		Stop Command	Run Command	DO - 24VDC Wet	24 VDC / 24 VDC Relay	24VDC Dry	
	F207	TB07	5	Q5	00	07	05	100		Spare				DO - 24VDC Wet	N/A	24VDC Dry	
	F207	TB07	6	Q6	00	07	06	101		Spare				DO - 24VDC Wet	N/A	24VDC Dry	
	F207	TB07	7	Q7	00	07	07	102		Spare				DO - 24VDC Wet	N/A	24VDC Dry	
	F207	TB07	8	Q8	00	07	08	103		Spare				DO - 24VDC Wet	N/A	24VDC Dry	
	F207	TB07	9	Q9	00	07	09	104		Spare				DO - 24VDC Wet	N/A	24VDC Dry	
	F207	TB07	10	Q10	00	07	10	105		Spare				DO - 24VDC Wet	N/A	24VDC Dry	
	F207	TB07	11	Q11	00	07	11	106		Spare				DO - 24VDC Wet	N/A	24VDC Dry	
	F207	TB07	12	Q12	00	07	12	107		Spare				DO - 24VDC Wet	N/A	24VDC Dry	
	F207	TB07	13	Q13	00	07	13	108		Spare				DO - 24VDC Wet	N/A	24VDC Dry	
	F207	TB07	14	Q14	00	07	14	109		Spare				DO - 24VDC Wet	N/A	24VDC Dry	
	F207	TB07	15	Q15	00	07	15	110	YC-F508-1	Local Mode		-	Local Mode	DO - 24VDC Wet	24 VDC / 24 VDC Relay	24VDC Dry	
	F207	TB07	16	Q16	00	07	16	111	YC-F508-2	PLC Mode Okay		-	PLC Mode	DO - 24VDC Wet	24 VDC / 24 VDC Relay	24VDC Dry	
Analog Input (BMX AMI 0810)	F209	TB09	1	AI1	00	09	00	00	TT-F691	Flood Motor Room Temperature Transmitter		4 mA (-40°C)	4 mA (+60°C)	AI - 4-20mA Isol	3 Wire - Non-Isol	4-20mA - 2 Wire Isol	
	F209	TB09	2	AI2	00	09	01	01	TT-F692	Dry Well Temperature Transmitter		4 mA (-40°C)	4 mA (+60°C)	AI - 4-20mA Isol	3 Wire - Non-Isol	4-20mA - 2 Wire Isol	
	F209	TB09	3	AI3	00	09	02	02	ZT-F601	Ventilation Intake Damper Status		0V DC (Closed)	10V DC (Open)				
	F209	TB09	4	AI4	00	09	03	03	ZT-F602	Ventilation Return Damper Status		0V DC (Closed)	10V DC (Open)				
	F209	TB09	5	AI5	00	09	04	04	ZT-F603	Ventilation Exhaust Damper Status		0V DC (Closed)	10V DC (Open)				
	F209	TB09	6	AI6	00	09	05	05		Spare				AI - 4-20mA Isol	3 Wire - Non-Isol	4-20mA - 2 Wire Isol	
	F209	TB09	7	AI7	00	09	06	06		Spare				AI - 4-20mA Isol	3 Wire - Non-Isol	4-20mA - 2 Wire Isol	
	F209	TB09	8	AI8	00	09	07	07		Spare				AI - 4-20mA Isol	3 Wire - Non-Isol	4-20mA - 2 Wire Isol	
Analog Input (BMX AMI 0810)	F210	TB10	9	AI9	00	10	00	08	LIC-F100	Flood Station Wet Well Level Transmitter		4 mA (0 m)	20 mA (4.92 m)	AI - 4-20mA Isol	3 Wire - Non-Isol	4-20mA - 2 Wire Isol	
	F210	TB10	10	AI10	00	10	01	09	IT-F010	Flood Pump P-F01 Motor Current Transducer		4 mA (0A)	20 mA (200A)	AI - 4-20mA Isol	3 Wire - Non-Isol	4-20mA - 2 Wire Isol	
	F210	TB10	11	AI11	00	10	02	10	IT-F020	Flood Pump P-F02 Motor Current Transducer		4 mA (0A)	20 mA (150A)	AI - 4-20mA Isol	3 Wire - Non-Isol	4-20mA - 2 Wire Isol	
	F210	TB10	12	AI12	00	10	03	11	IT-F030	Flood Pump P-F03 Motor Current Transducer		4 mA (0A)	20 mA (100A)	AI - 4-20mA Isol	3 Wire - Non-Isol	4-20mA - 2 Wire Isol	
	F210	TB10	13	AI13	00	10	04	12	IT-F040	Flood Pump P-F04 Motor Current Transducer		4 mA (0A)	20 mA (200A)	AI - 4-20mA Isol	3 Wire - Non-Isol	4-20mA - 2 Wire Isol	
	F210	TB10	14	AI14	00	10	05	13		Spare				AI - 4-20mA Isol	3 Wire - Non-Isol	4-20mA - 2 Wire Isol	
	F210	TB10	15	AI15	00	10	06	14		Spare				AI - 4-20mA Isol	3 Wire - Non-Isol	4-20mA - 2 Wire Isol	
	F210	TB10	16	AI16	00	10	07	15		Spare				AI - 4-20mA Isol	3 Wire - Non-Isol	4-20mA - 2 Wire Isol	
Analog Input (BMX AMI 0810)	F211	TB11	17	AI17	00	11	00	16	LT-S651	CSO - Incoming Flow Level Transmitter		4 mA (0 m)	20 mA (6 m)	AI - 4-20mA Isol	3 Wire - Non-Isol	4-20mA - 2 Wire Isol	223.97 to 229.97
	F211	TB11	18	AI18	00	11	01	17	LT-S751	CSO - Incoming Flow Level Transmitter		4 mA (0 m)	20 mA (6 m)	AI - 4-20mA Isol	3 Wire - Non-Isol	4-20mA - 2 Wire Isol	223.965 to 229.965
	F211	TB11	19	AI19	00	11	02	18	LIT-S951	CSO - Outfall Chamber Level Transmitter		4 mA (0 m)	20 mA (7 m)	AI - 4-20mA Isol	3 Wire - Non-Isol	4-20mA - 2 Wire Isol	223.372 to 230.372
	F211	TB11	20	AI20	00	11	03	19	ZT-S851	CSO - Outfall Gate Inclination Transmitter		4 mA (-5°)	20 mA (55°)	AI - 4-20mA Isol	3 Wire - Non-Isol	4-20mA - 2 Wire Isol	-5 to 55 (span =60)
	F211	TB11	21	AI21	00	11	04	20		Spare				AI - 4-20mA Isol	3 Wire - Non-Isol	4-20mA - 2 Wire Isol	
	F211	TB11	22	AI22	00	11	05	21		Spare				AI - 4-20mA Isol	3 Wire - Non-Isol	4-20mA - 2 Wire Isol	
	F211	TB11	23	AI23	00	11	06	22		Spare				AI - 4-20mA Isol	3 Wire - Non-Isol	4-20mA - 2 Wire Isol	

PLC Card	Fuse Number	Term Block	Term Number	Wire Tag	Rack	Module	Point	DNP3 Addr.	Tag	Description	Fail Safe (F/S)	0 State/ EU Minimum	1 State/ EU Maximum	I/O Type	Interface	Field Type	Notes
	F211	TB11	24	AI24	00	11	07	23		Spare				AI - 4-20mA Isol	3 Wire - Non-Isol	4-20mA - 2 Wire Isol	
									LI_F100_P	Wet Well Level in Percent		0%	100%				Soft I/O
									Duty1_Start	Duty 1 Start Setpoint		0m	5m				Soft I/O
									Duty1_Stop	Duty 1 Stop Setpoint		0m	5m				Soft I/O
									Duty2_Start	Duty 2 Start Setpoint		0m	5m				Soft I/O
									Duty2_Stop	Duty 2 Stop Setpoint		0m	5m				Soft I/O
									Duty3_Start	Duty 3 Start Setpoint		0m	5m				Soft I/O
									Duty3_Stop	Duty 3 Stop Setpoint		0m	5m				Soft I/O
									Duty4_Start	Duty 4 Start Setpoint		0m	5m				Soft I/O
									Duty4_Stop	Duty 4 Stop Setpoint		0m	5m				Soft I/O
									LI_F100_Geodetic	Geodetic Wet Well Level		0m	228.338 m				Soft I/O
									Duty1_Run	Duty 1 Run		Off	Run				Soft I/O
									Duty2_Run	Duty 2 Run		Off	Run				Soft I/O
									Duty3_Run	Duty 3 Run		Off	Run				Soft I/O
									Duty4_Run	Duty 4 Run		Off	Run				Soft I/O
									LIC_F100_FAF	Wet Well Level Transmitter LIC-F100 Failure		Normal	Failure				Soft I/O
									P_F01_CmdRun	Pump P-F01 Run Command		0	1				Soft I/O
									P_F02_CmdRun	Pump P-F02 Run Command		0	1				Soft I/O
									P_F03_CmdRun	Pump P-F03 Run Command		0	1				Soft I/O
									P_F04_CmdRun	Pump P-F04 Run Command		0	1				Soft I/O
									YA_F523	Station Enabled, Pumps Not in Auto Alarm		0	1				Soft I/O
									P_F01_RunFlt	P-F01 Run Fault		Normal	Failure				Soft I/O
									FAL_F011	P-F01 Low Seal Water Flow		Normal	Low Flow				Soft I/O
									P_F01_NotRdy	P-F01 Not Ready		Normal	Not Ready				Soft I/O
									P_F02_RunFlt	P-F02 Run Fault		Normal	Failure				Soft I/O
									FAL_F021	P-F02 Low Seal Water Flow		Normal	Low Flow				Soft I/O
									P_F02_NotRdy	P-F02 Not Ready		Normal	Not Ready				Soft I/O
									P_F03_RunFlt	P-F03 Run Fault		Normal	Failure				Soft I/O
									FAL_F031	P-F03 Low Seal Water Flow		Normal	Low Flow				Soft I/O
									P_F03_NotRdy	P-F03 Not Ready		Normal	Not Ready				Soft I/O
									P_F04_RunFlt	P-F04 Run Fault		Normal	Failure				Soft I/O
									FAL_F041	P-F04 Low Seal Water Flow		Normal	Low Flow				Soft I/O
									P_F04_NotRdy	P-F04 Not Ready		Normal	Not Ready				Soft I/O
									YA_F523	Station Enabled, Pumps Not in Auto Alarm		Normal	Alarm				Soft I/O