

PLC I/O INDEX

RECORD NO.	REV. NO.	TAG NAME	DESCRIPTION			I/O SPECIFICATION							
			FUNCTION	SERVICE	P&ID DRAWING	ENG. UNITS	SCALE		ALARMS		PLC CABINET	I/O TYPE	I/O ADDRESS
							LOW	HIGH	LOW	HIGH			
1	0	MN-E901A	Start Command	Generator GN-E901A Start	WG-P0001						CP-H11A	DO TCP	
2	0	YS-E901A	C/O/H Switch in Computer Position	Generator GN-E901A in Computer Mode	WG-P0001						CP-H11A	DI TCP	
3	0	MM-E901A	Running Status	Generator GN-E901A Running	WG-P0001						CP-H11A	DI TCP	
4	0	UF-E901A	General Fault	Generator GN-E901A General Fault	WG-P0001						CP-H11A	DI TCP	
5	0	EI-E901A	Voltage Indication	Generator GN-E901A Output Voltage	WG-P0001						CP-H11A	AI TCP	
6	0	II-E901A	Current Indication	Generator GN-E901A Load Current	WG-P0001						CP-H11A	AI TCP	
7	0	JI-E901A	Kilowatts Indication	Generator GN-E901A Output Kilowatts	WG-P0001						CP-H11A	AI TCP	
8	0	MN-E902A	Start Command	Generator GN-E902A Start	WG-P0001						CP-H11A	DO TCP	
9	0	YS-E902A	C/O/H Switch in Computer Position	Generator GN-E902A in Computer Mode	WG-P0001						CP-H11A	DI TCP	
10	0	MM-E902A	Running Status	Generator GN-E902A Running	WG-P0001						CP-H11A	DI TCP	
11	0	UF-E902A	General Fault	Generator GN-E902A General Fault	WG-P0001						CP-H11A	DI TCP	
12	0	EI-E902A	Voltage Indication	Generator GN-E902A Output Voltage	WG-P0001						CP-H11A	AI TCP	
13	0	II-E902A	Current Indication	Generator GN-E902A Load Current	WG-P0001						CP-H11A	AI TCP	
14	0	JI-E902A	Kilowatts Indication	Generator GN-E902A Output Kilowatts	WG-P0001						CP-H11A	AI TCP	
15	0	MN-E903A	Start Command	Generator GN-E903A Start	WG-P0001						CP-H11A	DO TCP	
16	0	YS-E903A	C/O/H Switch in Computer Position	Generator GN-E903A in Computer Mode	WG-P0001						CP-H11A	DI TCP	
17	0	MM-E903A	Running Status	Generator GN-E903A Running	WG-P0001						CP-H11A	DI TCP	
18	0	UF-E903A	General Fault	Generator GN-E903A General Fault	WG-P0001						CP-H11A	DI TCP	
19	0	EI-E903A	Voltage Indication	Generator GN-E903A Output Voltage	WG-P0001						CP-H11A	AI TCP	
20	0	II-E903A	Current Indication	Generator GN-E903A Load Current	WG-P0001						CP-H11A	AI TCP	
21	0	JI-E903A	Kilowatts Indication	Generator GN-E903A Output Kilowatts	WG-P0001						CP-H11A	AI TCP	
22	0	LI-H901A	Level Indication	Bulk Fuel Storage Tank TNK-H901A Level	WG-P0002						CP-H11A	AI TCP	
23	0	LI-H902A	Level Indication	Bulk Fuel Storage Tank TNK-H901A Level	WG-P0002						CP-H11A	AI TCP	
24	0	LA-E901C	Level Alarm	GN-E901A Day Tank Low Low	WG-P0002						CP-H11A	DI TCP	
25	0	LA-E901D	Level Alarm	GN-E901A Day Tank High High	WG-P0002						CP-H11A	DI TCP	
26	0	LA-E902C	Level Alarm	GN-E902A Day Tank Low Low	WG-P0002						CP-H11A	DI TCP	
27	0	LA-E902D	Level Alarm	GN-E902A Day Tank High High	WG-P0002						CP-H11A	DI TCP	
28	0	LA-E903C	Level Alarm	GN-E903A Day Tank Low Low	WG-P0002						CP-H11A	DI TCP	
29	0	LA-E903D	Level Alarm	GN-E903A Day Tank High High	WG-P0002						CP-H11A	DI TCP	
30	1	MM-H906A	Running Status	Fuel Transfer Pump P-H906A Running	WG-P0002						CP-H12	DI	
31	1	UF-H906A	No Fault	Fuel Transfer Pump P-H906A Fault	WG-P0002						CP-H12	DI	
32	1	YS-H906A	C/O/H Switch in Computer Position	Fuel Transfer Pump P-H906A in Computer Mode	WG-P0002						CP-H12	DI	
33	1	MM-H907A	Running Status	Fuel Transfer Pump P-H907A Running	WG-P0002						CP-H12	DI	
34	1	UF-H907A	No Fault	Fuel Transfer Pump P-H907A Fault	WG-P0002						CP-H12	DI	
35	1	YS-H907A	C/O/H Switch in Computer Position	Fuel Transfer Pump P-H907A in Computer Mode	WG-P0002						CP-H12	DI	
36	0	LA-H908A	Level Alarm	Fuel Leak Detection Alarm	WG-P0002						CP-H11A	DI TCP	
37	0	TI-H222A	Temperature Indication	Generator Building Electrical Room Ambient Temperature	WG-H0501						CP-H12	AI	
38	0	UF-H222A	No Fault	Generator Building Electrical Room HVAC General Fault	WG-H0501						CP-H12	DI	

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			FUNCTION	SERVICE	P&ID DRAWING	ENG. UNITS	SCALE		ALARMS		PLC CABINET	I/O TYPE	I/O ADDRESS
							LOW	HIGH	LOW	HIGH			
39	0	TI-H204A	Temperature Indication	Generator GN-E901A Area Ambient Temperature	WG-H0502						CP-H12	AI	
40	0	UF-E901A	No Fault	Generator GN-E901A HVAC General Fault	WG-H0502						CP-H12	DI	
41	0	MM-E901A	Running Status	Generator GN-E901A HVAC Generator Running	WG-H0502						CP-H11	DO	
42	0	ZD-H203A	Open Status	Generator GN-E901A Exhaust Damper Open	WG-H0502						CP-H11	D1	
43	0	TI-H209A	Temperature Indication	Generator GN-E902A Area Ambient Temperature	WG-H0503						CP-H12	AI	
44	0	UF-E902A	No Fault	Generator GN-E902A HVAC General Fault	WG-H0503						CP-H12	DI	
45	0	MM-E902A	Running Status	Generator GN-E902A HVAC Generator Running	WG-H0503						CP-H11	DO	
46	0	ZD-H208A	Open Status	Generator GN-E902A Exhaust Damper Open	WG-H0503						CP-H11	D1	
47	0	TI-H214A	Temperature Indication	Generator GN-E903A Area Ambient Temperature	WG-H0504						CP-H12	AI	
48	0	UF-E903A	No Fault	Generator GN-E903A HVAC General Fault	WG-H0504						CP-H12	DI	
49	0	MM-E903A	Running Status	Generator GN-E903A HVAC Generator Running	WG-H0504						CP-H11	DO	
50	0	ZD-H213A	Open Status	Generator GN-E903A Exhaust Damper Open	WG-H0504						CP-H11	DI	
51	0	TA-E100AA	Temperature Alarm	Transformer XFMR-E100A Winding Temperature High	WG-P0001						CP-H12	DI	
52	0	TA-E100AB	Temperature Alarm	Transformer XFMR-E100A Winding Temperature High High	WG-P0001						CP-H12	DI	
53	0	TA-E100AC	Temperature Alarm	Transformer XFMR-E100A Top Oil Temperature High	WG-P0001						CP-H12	DI	
54	0	LA-E100AA	Level Alarm	Transformer XFMR-E100A Oil Level Low	WG-P0001						CP-H12	DI	
55	0	LA-E100AB	Level Alarm	Transformer XFMR-E100A Oil Level Low Low	WG-P0001						CP-H12	DI	
56	0	PA-E100AA	Pressure Alarm	Transformer XFMR-E100A Oil Pressure High	WG-P0001						CP-H12	DI	
57	0	XA-E100AA	Ground Fault Alarm	Transformer XFMR-E100A Ground Fault	WG-P0001						CP-H11	DI	
58	0	XA-E100AB	Neutral Resistor Fault Alarm	Transformer XFMR-E100A Neutral Resistor Fault	WG-P0001						CP-H12	DI	
59	0	TA-E100BA	Temperature Alarm	Transformer XFMR-E100B Winding Temperature High	WG-P0001						CP-H12	DI	
60	0	TA-E100BB	Temperature Alarm	Transformer XFMR-E100B Winding Temperature High High	WG-P0001						CP-H12	DI	
61	0	TA-E100BC	Temperature Alarm	Transformer XFMR-E100B Top Oil Temperature High	WG-P0001						CP-H12	DI	
62	0	LA-E100BA	Level Alarm	Transformer XFMR-E100B Oil Level Low	WG-P0001						CP-H12	DI	
63	0	LA-E100BB	Level Alarm	Transformer XFMR-E100B Oil Level Low Low	WG-P0001						CP-H12	DI	
64	0	PA-E100BA	Pressure Alarm	Transformer XFMR-E100B Oil Pressure High	WG-P0001						CP-H12	DI	
65	0	XA-E100BA	Ground Fault Alarm	Transformer XFMR-E100B Ground Fault	WG-P0001						CP-H11	DI	
66	0	XA-E100BB	Neutral Resistor Fault Alarm	Transformer XFMR-E100B Neutral Resistor Fault	WG-P0001						CP-H12	DI	
67	1	MN-H906A	Start Command	Fuel Transfer Pump P-H906A Start	WG-P0002						CP-H12	DO	
68	1	MN-H907A	Start Command	Fuel Transfer Pump P-H907A Start	WG-P0002						CP-H12	DO	
69	1	LA-E901A	Level Alarm	GN-E901A Day Tank Low	WG-P0002						CP-H12	DI	
70	1	LA-E901B	Level Alarm	GN-E901A Day Tank High	WG-P0002						CP-H12	DI	
71	1	LA-E902A	Level Alarm	GN-E902A Day Tank Low	WG-P0002						CP-H12	DI	
72	1	LA-E902B	Level Alarm	GN-E902A Day Tank High	WG-P0002						CP-H12	DI	
73	1	LA-E903A	Level Alarm	GN-E903A Day Tank Low	WG-P0002						CP-H12	DI	
74	1	LA-E903B	Level Alarm	GN-E903A Day Tank High	WG-P0002						CP-H12	DI	
75	1	YD-E901A	Solenoid Valve Output	GN-E901A Day Tank Inlet Solenoid Valve Open	WG-P0002						CP-H12	DO	
76	1	YD-E902A	Solenoid Valve Output	GN-E902A Day Tank Inlet Solenoid Valve Open	WG-P0002						CP-H12	DO	
77	1	YD-E903A	Solenoid Valve Output	GN-E903A Day Tank Inlet Solenoid Valve Open	WG-P0002						CP-H12	DO	

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						ENG. UNITS	SCALE		ALARMS		PLC CABINET	I/O TYPE	I/O ADDRESS
							LOW	HIGH	LOW	HIGH			
78	1	YS-H909A	Emergency Stop P/B Operated	Generator Building Emergency Shutdown Activated	WG-P0002						CP-H12	DI	
79	1	YS-H909B	Emergency Stop P/B Operated	Generator Building Emergency Shutdown Activated	WG-P0002						CP-H12	DI	
80	1	LA-H901/2	Leak Alarm	Standby Generator Bulk Fuel Storage Tank Leak	WG-P0002						CP-H12	DI	
81	1	LA-H904/5	Leak Alarm	Standby Generator Pipe Transition Sump Leak	WG-P0002						CP-H12	DI	
82	1	LA-H904/5	Leak Alarm	Standby Generator Pipe Transition Sump Leak	WG-P0002						CP-H12	DI	
83	1	LA-H906/7	Leak Alarm	Standby Generator Day Tank Pipe Trench Leak	WG-P0002						CP-H12	DI	
84	1	LA-E901	Leak Alarm	Standby Generator Day Tank Leak	WG-P0002						CP-H12	DI	
85	1	MM-H222C	Running Status	Supply Fan SF-H222C Running	WG-H0501						CP-H12	DI	
86	1	MM-H222D	Running Status	Supply Fan SF-H222D Running	WG-H0501						CP-H12	DI	
87	1	MM-H226B	Running Status	Exhaust Fan EF-H222D Running	WG-H0501						CP-H12	DI	
88	1	XA-H222A	Load Shed Alarm	AHU-H222A Load Shed Interlock	WG-H0501						CP-H12	DO	
89	1	MM-H229A	Running Status	Exhaust Fan EF-H229A Running	WG-H0502						CP-H12	DI	
90	1	MM-H230A	Running Status	Exhaust Fan EF-H230A Running	WG-H0503						CP-H12	DI	
91	1	MM-H231A	Running Status	Exhaust Fan EF-H231A Running	WG-H0504						CP-H12	DI	
92													
93													
94	0	AI-T102A	Total Chlorine Indication	Clearwell Total Chlorine	WT-P0001						LCP-T11	AI	
95	0	AI-T102B	Total Ammonia Indication	Clearwell Total Ammonia	WT-P0001						LCP-T11	AI	
96	0	AI-T102C	Free Ammonia Indication	Clearwell Free Ammonia	WT-P0001						LCP-T11	AI	
97	0	AI-T102D	Monochloramine Indication	Clearwell Monochloramine	WT-P0001						LCP-T11	AI	
98	0	AF-T102A	Analyzer Fault Indication	Clearwell Chloramination Analyzer Fault	WT-P0001						LCP-T11	DI	
99	0	FA-T102A	Flow Alarm	Clearwell Chloramination Analyzer Sample Low Flow	WT-P0001						LCP-T11	DI	
100	0	AI-T103A	Free Chlorine Indication	Clearwell Free Chlorine Analyzer	WT-P0001						LCP-T11	AI	
101	0	AF-T103A	Analyzer Fault Indication	Clearwell Free Chlorine Analyzer Fault	WT-P0001						LCP-T11	DI	
102	0	FA-T103A	Flow Alarm	Clearwell Free Chlorine Analyzer Sample Low Flow	WT-P0001						LCP-T11	DI	
103	0	AI-T104A	pH Indication	Clearwell pH	WT-P0001						LCP-T11	AI	
104	0	AF-T104A	Analyzer Fault Indication	Clearwell pH Analyzer Fault	WT-P0001						LCP-T11	DI	
105	0	FA-T104A	Flow Alarm	Clearwell pH Analyzer Sample Low Flow	WT-P0001						LCP-T11	DI	
106	0	AI-T105A	Turbidity Indication	Clearwell Turbidity	WT-P0001						LCP-T11	AI	
107	0	AF-T105A	Analyzer Fault Indication	Clearwell Turbidity Analyzer Fault	WT-P0001						LCP-T11	DI	
108	0	FA-T105A	Flow Alarm	Clearwell Turbidity Analyzer Sample Low Flow	WT-P0001						LCP-T11	DI	
109	0	AI-T202A	Total Chlorine Indication	Clearwell Total Chlorine	WT-P0001						LCP-T11	AI	
110	0	AI-T202B	Total Ammonia Indication	Clearwell Total Ammonia	WT-P0001						LCP-T11	AI	
111	0	AI-T202C	Free Ammonia Indication	Clearwell Free Ammonia	WT-P0001						LCP-T11	AI	
112	0	AI-T202D	Monochloramine Indication	Clearwell Monochloramine	WT-P0001						LCP-T11	AI	
113	0	AF-202A	Analyzer Fault Indication	Clearwell Chloramination Analyzer Fault	WT-P0001						LCP-T11	DI	
114	0	FA-T202A	Flow Alarm	Clearwell Chloramination Analyzer Sample Low Flow	WT-P0001						LCP-T11	DI	
115	0	AI-T203A	Free Chlorine Indication	Clearwell Free Chlorine	WT-P0001						LCP-T11	AI	
116	0	AF-T203A	Analyzer Fault Indication	Clearwell Free Chlorine Analyzer Fault	WT-P0001						LCP-T11	DI	

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							LOW	HIGH	LOW	HIGH			
117	0	FA-T203A	Flow Alarm	Clearwell Free Chlorine Analyzer Sample Low Flow	WT-P0001						LCP-T11	DI	
118	0	AI-T204A	pH Indication	Clearwell pH	WT-P0001						LCP-T11	AI	
119	0	AF-T204A	Analyzer Fault Indication	Clearwell pH Analyzer Fault	WT-P0001						LCP-T11	DI	
120	0	FA-T204A	Flow Alarm	Clearwell pH Analyzer Sample Low Flow	WT-P0001						LCP-T11	DI	
121	0	AI-T205A	Turbidity Indication	Clearwell Turbidity	WT-P0001						LCP-T11	AI	
122	0	AF-T205A	Analyzer Fault Indication	Clearwell Turbidity Analyzer Fault	WT-P0001						LCP-T11	DI	
123	0	FA-T205A	Flow Alarm	Clearwell Turbidity Analyzer Sample Low Flow	WT-P0001						LCP-T11	DI	
124	0	LF-T101A	Level Fault	Clearwell Cell No.1 Level	WT-P0001						LCP-T11	DI	
125	0	LF-T101B	Level Fault	Clearwell Cell No.1 Level	WT-P0001						LCP-T11	DI	
126	0	LF-T201A	Level Fault	Clearwell Cell No.2 Level	WT-P0001						LCP-T11	DI	
127	0	LF-T201B	Level Fault	Clearwell Cell No.2 Level	WT-P0001						LCP-T11	DI	
128	0	LI-T101A	Level Indication	Clearwell Cell No.1 Level	WT-P0001						LCP-T11	AI	
129	0	LI-T101B	Level Indication	Clearwell Cell No.1 Level	WT-P0001						LCP-T11	AI	
130	0	LI-T201A	Level Indication	Clearwell Cell No.2 Level	WT-P0001						LCP-T11	AI	
131	0	LI-T201B	Level Indication	Clearwell Cell No.2 Level	WT-P0001						LCP-T11	AI	
132	0	MM-T101A	Running Status	Clearwell Analyser Sample Pump Running	WT-P0001						LCP-T11	DI	
133	0	MM-T201A	Running Status	Clearwell Analyser Sample Pump Running	WT-P0001						LCP-T11	DI	
134	0	MN-T101A	Start Command	Clearwell Analyser Sample Pump Start	WT-P0001						LCP-T11	DO	
135	0	MN-T201A	Start Command	Clearwell Analyser Sample Pump Start	WT-P0001						LCP-T11	DO	
136	0	YS-T101A	C/O/H Switch in Computer Position	Clearwell Analyser Sample Pump in Computer Mode	WT-P0001						LCP-T11	DI	
137	0	YS-T201A	C/O/H Switch in Computer Position	Clearwell Analyser Sample Pump in Computer Mode	WT-P0001						LCP-T11	DI	
138	0	ZB-T002A	Closed Status	Clearwell Cell 1 & 2 Dividing Wall Sluice Gate Closed	WT-P0001						LCP-T11	DI	
139	0	ZB-T003A	Closed Status	Clearwell Outlet Chamber Dividing Wall Sluice Gate Closed	WT-P0001						LCP-T11	DI	
140	0	ZB-T101A	Closed Status	Clearwell Cell 1 Inlet Sluice Gate Closed	WT-P0001						LCP-T11	DI	
141	0	ZB-T102A	Closed Status	Clearwell Cell 1 Outlet Sluice Gate Closed	WT-P0001						LCP-T11	DI	
142	0	ZB-T201A	Closed Status	Clearwell Cell 2 Inlet Sluice Gate Closed	WT-P0001						LCP-T11	DI	
143	0	ZB-T202A	Closed Status	Clearwell Cell 2 Outlet Sluice Gate Closed	WT-P0001						LCP-T11	DI	
144	0	ZD-T002A	Open Status	Clearwell Cell 1 & 2 Dividing Wall Sluice Gate Open	WT-P0001						LCP-T11	DI	
145	0	ZD-T003A	Open Status	Clearwell Outlet Chamber Dividing Wall Sluice Gate Open	WT-P0001						LCP-T11	DI	
146	0	ZD-T101A	Open Status	Clearwell Cell 1 Inlet Sluice Gate Open	WT-P0001						LCP-T11	DI	
147	0	ZD-T102A	Open Status	Clearwell Cell 1 Outlet Sluice Gate Open	WT-P0001						LCP-T11	DI	
148	0	ZD-T201A	Open Status	Clearwell Cell 2 Inlet Sluice Gate Open	WT-P0001						LCP-T11	DI	
149	0	ZD-T202A	Open Status	Clearwell Cell 2 Outlet Sluice Gate Open	WT-P0001						LCP-T11	DI	
150	0	UF-H240A	General Alarm	Clearwell Inlet Bulidng HVAC General Fault	WT-M0007						LCP-T11	DI	
151	0	TI-H240A	Zone Temperature	Clearwell Inlet Bulidng Ambient Temperature	WT-M0007						LCP-T11	AI	
152													
153													
154	0	YB-T301A	Close Command	Clearwell Outlet Valve FV-T301A Close	WD-P0002						CP-D21	DO	
155	0	YD-T301A	Open Command	Clearwell Outlet Valve FV-T301A Open	WD-P0002						CP-D21	DO	

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			FUNCTION	SERVICE	P&ID DRAWING	ENG. UNITS	SCALE		ALARMS		PLC CABINET	I/O TYPE	I/O ADDRESS
							LOW	HIGH	LOW	HIGH			
156	0	YS-T301A	C/O/H Switch in Computer Position	Clearwell Outlet Valve FV-T301A in Computer Mode	WD-P0002						CP-D21	DI	
157	0	ZB-T301A	Closed Status	Clearwell Outlet Valve FV-T301A Closed	WD-P0002						CP-D21	DI	
158	0	ZD-T301A	Open Status	Clearwell Outlet Valve FV-T301A Open	WD-P0002						CP-D21	DI	
159	0	YB-T302A	Close Command	Clearwell Outlet Valve FV-T302A Close	WD-P0002						CP-D21	DO	
160	0	YD-T302A	Open Command	Clearwell Outlet Valve FV-T302A Open	WD-P0002						CP-D21	DO	
161	0	YS-T302A	C/O/H Switch in Computer Position	Clearwell Outlet Valve FV-T302A in Computer Mode	WD-P0002						CP-D21	DI	
162	0	ZB-T302A	Closed Status	Clearwell Outlet Valve FV-T302A Closed	WD-P0002						CP-D21	DI	
163	0	ZD-T302A	Open Status	Clearwell Outlet Valve FV-T302A Open	WD-P0002						CP-D21	DI	
164	1	LA-XXXX	Level Alarm	Cell 1 Raw Water Valve Air Gap Flooded	WG-P0003						CP-D21	DI	