

**PLC I/O INDEX**

RECORD NO.	REV. NO.	TAG NAME	DESCRIPTION		P&ID DRAWING	I/O SPECIFICATION								
			FUNCTION	SERVICE		ENG. UNITS	SCALE		ALARMS		PLC CABINET	I/O TYPE	I/O ADDRESS	
							LOW	HIGH	LOW	HIGH				
0001	2	AI-J001B	Water Hardness Indication	Softened Water Hardness Monitor	CPG0465-I-01 Sheet 4							CP-J11	AI	
0002	2	FI-J001A	Flow Indication	Softened Water Flow to Salt Saturators and Electrolysers Flow Rate	CPG0465-I-01 Sheet 4							CP-J11	AI	
0003	2	FQ-J001A	Flow Pulse	Softened Water Flow to Salt Saturators and Electrolysers Flow Total	CPG0465-I-01 Sheet 4							CP-J11	DI	
0004	2	UF-J001B	Water Hardness Fault	Softened Water Hardness Monitor	CPG0465-I-01 Sheet 4							CP-J11	DI	
0005	2	TI-J003A	Temperature Indication	Softened Water to Electrolysers Temperature	CPG0465-I-01 Sheet 4							CP-J11	AI	
0006	2	LA-J100A	Level Switch	Salt Saturator SS-J100A Brine High Level	CPG0465-I-01 Sheet 4							CP-J11	DI	
0007	2	LF-J100A	Level Fault	Salt Saturator SS-J100A Brine Level Fault	CPG0465-I-01 Sheet 4							CP-J11	DI	
0008	2	LI-J100A	Level Indication	Salt Saturator SS-J100A Brine Level	CPG0465-I-01 Sheet 4							CP-J11	AI	
0009	2	LF-J100B	Level Fault	Salt Saturator SS-J100A Salt Level Fault	CPG0465-I-01 Sheet 4							CP-J11	DI	
0010	2	LI-J100B	Level Indication	Salt Saturator SS-J100A Salt Level	CPG0465-I-01 Sheet 4							CP-J11	AI	
0011	2	TI-J100A	Temperature Indication	Salt Saturator SS-J100A Temperature	CPG0465-I-01 Sheet 4							CP-J11	AI	
0012	2	YD-J100A	Open Command	Softened Water Flow Control Valve to Salt Saturator SS-J100A Valve Open	CPG0465-I-01 Sheet 4							CP-J11	DI	
0013	2	LA-J200A	Level Alarm	Salt Saturator SS-J200A Brine High Level	CPG0465-I-01 Sheet 4							CP-J11	DI	
0014	2	LF-J200A	Level Fault	Salt Saturator SS-J200A Brine Level Fault	CPG0465-I-01 Sheet 4							CP-J11	DI	
0015	2	LI-J200A	Level Indication	Salt Saturator SS-J200A Brine Level	CPG0465-I-01 Sheet 4							CP-J11	AI	
0016	2	LF-J200B	Level Fault	Salt Saturator SS-J200A Salt Level Falt	CPG0465-I-01 Sheet 4							CP-J11	DI	
0017	2	LI-J200B	Level Indication	Salt Saturator SS-J200A Salt Level	CPG0465-I-01 Sheet 4							CP-J11	AI	
0018	2	TI-J200A	Temperature Indication	Salt Saturator SS-J200A Temperature	CPG0465-I-01 Sheet 4							CP-J11	AI	
0019	2	YD-J200A	Open Command	Softened Water Flow Control Valve to Salt Saturator SS-J200A Valve Open	CPG0465-I-01 Sheet 4							CP-J11	DI	

I/O POINT TYPES: TCP = Modbus/TCP Ethernet, AI = Analog Input, AO = Analog Output, DI = Discrete Input, DO = Discrete Output

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			FUNCTION	SERVICE		ENG. UNITS	SCALE		ALARMS		PLC CABINET	I/O TYPE	I/O ADDRESS	
							LOW	HIGH	LOW	HIGH				
0020	2	EI-J400A	Voltage Indication	Electrolyser Rectifier Voltage	CPG0465-I-01 Sheet 5							CP-J11	AI	
0021	2	FA-J400A	Flow Alarm	Softened Water Low Flow to Electrolyser EL-J400A	CPG0465-I-01 Sheet 5							CP-J11	DI	
0022	2	FA-J400B	Flow Switch	Softened Water Low Flow to Electrolyser EL-J400A	CPG0465-I-01 Sheet 5							CP-J11	DI	
0023	2	FA-J400C	Flow Switch	Low Brine Flow to Electrolyser EL-J400A	CPG0465-I-01 Sheet 5							CP-J11	DI	
0024	2	FA-J400D	Flow Switch	Low Brine/ Softened Water Flow to Electrolyser EL-J400A	CPG0465-I-01 Sheet 5							CP-J11	DI	
0025	2	FA-J400E	Flow Alarm	Electrolyser EL-J400A Ventilation Low Flow	CPG0465-I-01 Sheet 5							CP-J11	DI	
0026	2	IC-J400A	Current Control	Electrolyser Rectifier Current Control	CPG0465-I-01 Sheet 5							CP-J11	AO	
0027	2	II-J400A	Current Indication	Electrolyser Rectifier Current	CPG0465-I-01 Sheet 5							CP-J11	AI	
0028	2	LA-J400A	Level Switch	Electrolyser EL-J400A High Cell Level	CPG0465-I-01 Sheet 5							CP-J11	DI	
0029	2	LA-J400B	Level Switch	Electrolyser EL-J400A Low Cell Level	CPG0465-I-01 Sheet 5							CP-J11	DI	
0030	2	MM-J400A	Running Status	Electrolyse Rectifier RT-J400 Running	CPG0465-I-01 Sheet 5							CP-J11	DI	
0031	2	PA-J400A	Pressure Switch	Electrolyser EL-J400A Cell Pressure High	CPG0465-I-01 Sheet 5							CP-J11	DI	
0032	2	PA-J400B	Pressure Switch	Electrolyser EL-J400A Cell Pressure High	CPG0465-I-01 Sheet 5							CP-J11	DI	
0033	2	PA-J400C	Pressure Switch	Electrolyser EL-J400A Cell Pressure High	CPG0465-I-01 Sheet 5							CP-J11	DI	
0034	2	TA-J400A	Temperature Alarm	Electrolyser Rectifier RT-J400 High Temperature	CPG0465-I-01 Sheet 5							CP-J11	DI	
0035	2	UF-J400A	No Fault	Electrolyser Rectifier Fault	CPG0465-I-01 Sheet 5							CP-J11	DI	
0036	2	UF-J400B	No Fault	Electrolyser Rectifier Fan Fault	CPG0465-I-01 Sheet 5							CP-J11	DI	
0037	2	YD-J400A	Open Command	Electrolyser EL-J400A Ventilation Blower BLR-J400A in Open Mode	CPG0465-I-01 Sheet 5							CP-J11	DI	
0038	2	EI-J420A	Voltage Indication	Electrolyser Rectifier Voltage	CPG0465-I-01 Sheet 5							CP-J11	AI	

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			FUNCTION	SERVICE		ENG. UNITS	SCALE		ALARMS		PLC CABINET	I/O TYPE	I/O ADDRESS	
							LOW	HIGH	LOW	HIGH				
0039	2	FA-J420A	Flow Alarm	Softened Water Low Flow to Electrolyser EL-J420A	CPG0465-I-01 Sheet 5							CP-J11	DI	
0040	2	FA-J420B	Flow Alarm	Softened Water Low Flow to Electrolyser EL-J420A	CPG0465-I-01 Sheet 5							CP-J11	DI	
0041	2	FA-J420C	Flow Alarm	Low Brine Flow to Electrolyser EL-J420A	CPG0465-I-01 Sheet 5							CP-J11	DI	
0042	2	FA-J420D	Flow Alarm	Low Brine/ Softened Water Flow to Electrolyser EL-J420A	CPG0465-I-01 Sheet 5							CP-J11	DI	
0043	2	IC-J420A	Current Control	Electrolyser Rectifier Current Control	CPG0465-I-01 Sheet 5							CP-J11	AO	
0044	2	II-J420A	Current Indication	Electrolyser Rectifier Current	CPG0465-I-01 Sheet 5							CP-J11	AI	
0045	2	LA-J420A	Level Alarm	Electrolyser EL-J420A High Cell Level	CPG0465-I-01 Sheet 5							CP-J11	DI	
0046	2	LA-J420B	Level Alarm	Electrolyser EL-J420A Low Cell Level	CPG0465-I-01 Sheet 5							CP-J11	DI	
0047	2	MM-J420A	Running Status	Electrolyser Rectifier RT-J400 Running	CPG0465-I-01 Sheet 5							CP-J11	DI	
0048	2	PA-J420A	Pressure Alarm	Electrolyser EL-J420A Cell Pressure High	CPG0465-I-01 Sheet 5							CP-J11	DI	
0049	2	PA-J420B	Pressure Alarm	Electrolyser EL-J420A Cell Pressure High	CPG0465-I-01 Sheet 5							CP-J11	DI	
0050	2	PA-J420C	Pressure Alarm	Electrolyser EL-J420A Cell Pressure High	CPG0465-I-01 Sheet 5							CP-J11	DI	
0051	2	TA-J420A	Temperature Alarm	Electrolyser Rectifier RT-J420A High Temperature	CPG0465-I-01 Sheet 5							CP-J11	DI	
0052	2	UF-J420A	No Fault	Electrolyser Rectifier Fault	CPG0465-I-01 Sheet 5							CP-J11	DI	
0053	2	UF-J420B	No Fault	Electrolyser Rectifier Fan Fault	CPG0465-I-01 Sheet 5							CP-J11	DI	
0054	2	YD-J420A	Open Command	Electrolyser EL-J420A Ventilation Blower BLR-J420A in Open Mode	CPG0465-I-01 Sheet 5							CP-J11	DI	
0055	2	EI-J440A	Voltage Indication	Electrolyser Rectifier Voltage	CPG0465-I-01 Sheet 5							CP-J11	AI	
0056	2	FA-J440A	Flow Alarm	Softened Water Low Flow to Electrolyser EL-J440A	CPG0465-I-01 Sheet 5							CP-J11	DI	
0057	2	FA-J440B	Flow Alarm	Softened Water Low Flow to Electrolyser EL-J440A	CPG0465-I-01 Sheet 5							CP-J11	DI	

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			FUNCTION	SERVICE		ENG. UNITS	SCALE		ALARMS		PLC CABINET	I/O TYPE	I/O ADDRESS	
							LOW	HIGH	LOW	HIGH				
0058	2	FA-J440C	Flow Alarm	Low Brine Flow to Electrolyser EL-J440A	CPG0465-I-01 Sheet 5							CP-J11	DI	
0059	2	FA-J440D	Flow Alarm	Low Brine/ Softened Water Flow to Electrolyser EL-J440A	CPG0465-I-01 Sheet 5							CP-J11	DI	
0060	2	IC-J440A	Current Control	Electrolyser Rectifier Current Control	CPG0465-I-01 Sheet 5							CP-J11	AO	
0061	2	II-J440A	Current Indication	Electrolyser Rectifier Current	CPG0465-I-01 Sheet 5							CP-J11	AI	
0062	2	LA-J440A	Level Alarm	Electrolyser EL-J440A High Cell Level	CPG0465-I-01 Sheet 5							CP-J11	DI	
0063	2	LA-J440B	Level Alarm	Electrolyser EL-J440A Low Cell Level	CPG0465-I-01 Sheet 5							CP-J11	DI	
0064	2	MM-J440A	Running Status	Electrolyser Rectifier RT-J400 Running	CPG0465-I-01 Sheet 5							CP-J11	DI	
0065	2	PA-J440A	Pressure Alarm	Electrolyser EL-J440A Cell Pressure High	CPG0465-I-01 Sheet 5							CP-J11	DI	
0066	2	PA-J440B	Pressure Alarm	Electrolyser EL-J440A Cell Pressure High	CPG0465-I-01 Sheet 5							CP-J11	DI	
0067	2	PA-J440C	Pressure Alarm	Electrolyser EL-J440A Cell Pressure High	CPG0465-I-01 Sheet 5							CP-J11	DI	
0068	2	TA-J440A	Temperature Alarm	Electrolyser Rectifier RT-J440A High Temperature	CPG0465-I-01 Sheet 5							CP-J11	DI	
0069	2	UF-J440A	No Fault	Electrolyser Rectifier Fault	CPG0465-I-01 Sheet 5							CP-J11	DI	
0070	2	UF-J440B	No Fault	Electrolyser Rectifier Fan Fault	CPG0465-I-01 Sheet 5							CP-J11	AI	
0071	2	YD-J440A	Open Command	Electrolyser EL-J440A Ventilation Blower BLR-J440A in Open Mode	CPG0465-I-01 Sheet 5							CP-J11	DI	
0072	2	AI-J450A	Hydrogen Gas Indication	Electrolyser Room Hydrogen Gas Level	CPG0465-I-01 Sheet 5							CP-J11	AI	
0073	2	AI-J450A	Gas Indicator	Sodium Hypochlorite Storage Room Hydrogen Gas Level	CPG0465-I-01 Sheet 5							CP-J11	AI	
0074	2	AI-J450B	Gas Indicator	Sodium Hypochlorite Storage Room Hydrogen Gas Level	CPG0465-I-01 Sheet 5							CP-J11	AI	
0075	2	FA-J500A	Flow Alarm	Sodium Hypochlorite Storage Tank TK-J500A Ventilation Flow Low	CPG0465-I-01 Sheet 6							CP-J11	DI	
0076	2	LF-J500A	Level Fault	Sodium Hypochlorite Storage Tank TK-J500A Level Fault	CPG0465-I-01 Sheet 6							CP-J11	DI	

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			FUNCTION	SERVICE		ENG. UNITS	SCALE		ALARMS		PLC CABINET	I/O TYPE	I/O ADDRESS	
							LOW	HIGH	LOW	HIGH				
0077	2	LI-J500A	Level Indication	Sodium Hypochlorite Storage Tank TK-J500A Level	CPG0465-I-01 Sheet 6							CP-J11	AI	
0078	2	MM-J500A	Running Status	Sodium Hypochlorite Storage Tank TK-J500A Ventilation Blower Running	CPG0465-I-01 Sheet 6							CP-J11	DI	
0079	2	MN-J500A	Start Command	Sodium Hypochlorite Storage Tank TK-J500A Ventilation Blower Start	CPG0465-I-01 Sheet 6							CP-J11	DO	
0080	2	MM-J500B	Running Status	Sodium Hypochlorite Storage Tank TK-J500A Ventilation Blower Running	CPG0465-I-01 Sheet 6							CP-J11	DI	
0081	2	MN-J500B	Start Command	Sodium Hypochlorite Storage Tank TK-J500A Ventilation Blower Start	CPG0465-I-01 Sheet 6							CP-J11	DO	
0082	2	PA-J500A	Pressure Alarm	Sodium Hypochlorite Storage Tank TK-J500A Ventilation Pressure High	CPG0465-I-01 Sheet 6							CP-J11	DI	
0083	2	YS-J500A	C/O/H Alarm in Computer Position	Sodium Hypochlorite Storage Tank TK-J500A Ventilation Blower in Computer Mode	CPG0465-I-01 Sheet 6							CP-J11	DI	
0084	2	YS-J500B	C/O/H Alarm in Computer Position	Sodium Hypochlorite Storage Tank TK-J500A Ventilation Blower in Computer Mode	CPG0465-I-01 Sheet 6							CP-J11	DI	
0085	2	AI-J550A	Gas Indicator	Sodium Hypochlorite Storage Room Hydrogen Gas Level	CPG0465-I-01 Sheet 6							CP-J11	AI	
0086	2	FA-J520A	Flow Alarm	Sodium Hypochlorite Storage Tank TK-J520A Ventilation Flow Low	CPG0465-I-01 Sheet 7							CP-J11	DI	
0087	2	LF-J520A	Level Fault	Sodium Hypochlorite Storage Tank TK-J520A Level Fault	CPG0465-I-01 Sheet 7							CP-J11	DI	
0088	2	LI-J520A	Level Indication	Sodium Hypochlorite Storage Tank TK-J520A Level	CPG0465-I-01 Sheet 7							CP-J11	AI	
0089	2	MM-J520A	Running Status	Sodium Hypochlorite Storage Tank TK-J520A Ventilation Blower Running	CPG0465-I-01 Sheet 7							CP-J11	DI	
0090	2	MN-J520A	Start Command	Sodium Hypochlorite Storage Tank TK-J520A Ventilation Blower Start	CPG0465-I-01 Sheet 7							CP-J11	DO	
0091	2	MM-J520B	Running Status	Sodium Hypochlorite Storage Tank TK-J520A Ventilation Blower Running	CPG0465-I-01 Sheet 7							CP-J11	DI	
0092	2	MN-J520B	Start Command	Sodium Hypochlorite Storage Tank TK-J520A Ventilation Blower Start	CPG0465-I-01 Sheet 7							CP-J11	DO	
0093	2	PA-J520A	Pressure Alarm	Sodium Hypochlorite Storage Tank TK-J520A Ventilation Pressure High	CPG0465-I-01 Sheet 7							CP-J11	DI	
0094	2	YS-J520A	C/O/H Alarm in Computer Position	Sodium Hypochlorite Storage Tank TK-J520A Ventilation Blower in Computer Mode	CPG0465-I-01 Sheet 7							CP-J11	DI	
0095	2	YS-J520B	C/O/H Alarm in Computer Position	Sodium Hypochlorite Storage Tank TK-J520A Ventilation Blower in Computer Mode	CPG0465-I-01 Sheet 7							CP-J11	DI	

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			FUNCTION	SERVICE		ENG. UNITS	SCALE		ALARMS		PLC CABINET	I/O TYPE	I/O ADDRESS	
							LOW	HIGH	LOW	HIGH				
0096	2	FA-J540A	Flow Alarm	Sodium Hypochlorite Storage Tank TK-J540A Ventilation Flow Low	CPG0465-I-01 Sheet 7							CP-J11	DI	
0097	2	LF-J540A	Level Fault	Sodium Hypochlorite Storage Tank TK-J540A Level Fault	CPG0465-I-01 Sheet 7							CP-J11	DI	
0098	2	LI-J540A	Level Indication	Sodium Hypochlorite Storage Tank TK-J540A Level	CPG0465-I-01 Sheet 7							CP-J11	AI	
0099	2	MM-J540A	Running Status	Sodium Hypochlorite Storage Tank TK-J540A Ventilation Blower Running	CPG0465-I-01 Sheet 7							CP-J11	DI	
0100	2	MN-J540A	Start Command	Sodium Hypochlorite Storage Tank TK-J540A Ventilation Blower Start	CPG0465-I-01 Sheet 7							CP-J11	DO	
0101	2	MM-J540B	Running Status	Sodium Hypochlorite Storage Tank TK-J540A Ventilation Blower Running	CPG0465-I-01 Sheet 7							CP-J11	DI	
0102	2	MN-J540B	Start Command	Sodium Hypochlorite Storage Tank TK-J540A Ventilation Blower Start	CPG0465-I-01 Sheet 7							CP-J11	DO	
0103	2	PA-J540A	Pressure Alarm	Sodium Hypochlorite Storage Tank TK-J540A Ventilation Pressure High	CPG0465-I-01 Sheet 7							CP-J11	DI	
0104	2	YS-J540A	C/O/H Alarm in Computer Position	Sodium Hypochlorite Storage Tank TK-J540A Ventilation Blower in Computer Mode	CPG0465-I-01 Sheet 7							CP-J11	DI	
0105	2	YS-J540B	C/O/H Alarm in Computer Position	Sodium Hypochlorite Storage Tank TK-J540A Ventilation Blower in Computer Mode	CPG0465-I-01 Sheet 7							CP-J11	DI	
0106	2	AI-J550B	Gas Indication	Sodium Hypochlorite Storage Room Hydrogen Gas Level	CPG0465-I-01 Sheet 7							CP-J11	AI	
0107	2	LA-J550A	Level Alarm	Sodium Hypochlorite Containmentment Sump High	CPG0465-I-01 Sheet 7							CP-J11	DI	
0108	2	FA-J560A	Flow Alarm	Sodium Hypochlorite Storage Tank TK-J560A Ventilation Flow Low	CPG0465-I-01 Sheet 7							CP-J11	DI	
0109	2	LF-J560A	Level Fault	Sodium Hypochlorite Storage Tank TK-J560A Level Fault	CPG0465-I-01 Sheet 7							CP-J11	DI	
0110	2	LI-J560A	Level Indication	Sodium Hypochlorite Storage Tank TK-J560A Level	CPG0465-I-01 Sheet 7							CP-J11	AI	
0111	2	MM-J560A	Running Status	Sodium Hypochlorite Storage Tank TK-J560A Ventilation Blower Running	CPG0465-I-01 Sheet 7							CP-J11	DI	
0112	2	MN-J560A	Start Command	Sodium Hypochlorite Storage Tank TK-J560A Ventilation Blower Start	CPG0465-I-01 Sheet 7							CP-J11	DO	
0113	2	MM-J560B	Running Status	Sodium Hypochlorite Storage Tank TK-J560A Ventilation Blower Running	CPG0465-I-01 Sheet 7							CP-J11	DI	
0114	2	MN-J560B	Start Command	Sodium Hypochlorite Storage Tank TK-J560A Ventilation Blower Start	CPG0465-I-01 Sheet 7							CP-J11	DO	

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							LOW	HIGH	LOW	HIGH				
0115	2	PA-J560A	Pressure Alarm	Sodium Hypochlorite Storage Tank TK-J560A Ventilation Pressure High	CPG0465-I-01 Sheet 7							CP-J11	DI	
0116	2	YS-J560A	C/O/H Alarm in Computer Position	Sodium Hypochlorite Storage Tank TK-J560A Ventilation Blower in Computer Mode	CPG0465-I-01 Sheet 7							CP-J11	DI	
0117	2	YS-J560B	C/O/H Alarm in Computer Position	Sodium Hypochlorite Storage Tank TK-J560A Ventilation Blower in Computer Mode	CPG0465-I-01 Sheet 7							CP-J11	DI	
0118	0	FI-J610A	Flow Indication	Sodium Hypochlorite to Chlorine Contact Tank Influent Flow Rate	P-01							CP-J11	AI	
0119	0	FQ-J610A	Flow Pulse	Sodium Hypochlorite to Chlorine Contact Tank Influent Flow Total	P-01							CP-J11	DI	
0120	0	MM-J610A	Running Status	Sodium Hypochlorite to Chlorine Contact Tank Pump Running	P-01							CP-J11	DI	
0121	0	MN-J610A	Start Command	Sodium Hypochlorite to Chlorine Contact Tank Pump Start	P-01							CP-J11	DO	
0122	0	SC-J610A	Speed Control Output	Sodium Hypochlorite to Chlorine Contact Tank Pump Required Speed	P-01							CP-J11	AO	
0123	0	SI-J610A	Speed Indication	Sodium Hypochlorite to Chlorine Contact Tank Pump Speed	P-01							CP-J11	AI	
0124	0	UF-J610A	No Fault	Sodium Hypochlorite to Chlorine Contact Tank Pump Fault	P-01							CP-J11	DI	
0125	0	YB-J610A	Close Command	Sodium Hypochlorite Pump P-J610A Outlet Control Valve Close	P-01							CP-J11	DO	
0126	0	YD-J610A	Open Command	Sodium Hypochlorite Pump P-J610A Outlet Control Valve Open	P-01							CP-J11	DO	
0127	0	YS-J610A	C/O/H Switch in Computer Position	Sodium Hypochlorite to Chlorine Contact Tank Pump in Computer Mode	P-01							CP-J11	DI	
0128	0	YS-J610B	C/O/H Switch in Computer Position	Sodium Hypochlorite Pump P-J610A Outlet Control Valve in Computer Mode	P-01							CP-J11	DI	
0129	0	ZA-J610A	Closed Status	Sodium Hypochlorite Pump P-J610A Outlet Control Valve Closed	P-01							CP-J11	DI	
0130	0	ZD-J610A	Open Status	Sodium Hypochlorite Pump P-J610A Outlet Control Valve Open	P-01							CP-J11	DI	
0131	0	ZS-J610A	Revolution Sensor	Sodium Hypochlorite to Chlorine Contact Tank Pump Revolution	P-01							CP-J11	DI	
0132	0	MM-J620A	Running Status	Sodium Hypochlorite to Chlorine Contact Tank Pump Running	P-01							CP-J11	DI	
0133	0	MN-J620A	Start Command	Sodium Hypochlorite to Chlorine Contact Tank Pump Start	P-01							CP-J11	DO	
0134	0	SC-J620A	Speed Control Output	Sodium Hypochlorite to Chlorine Contact Tank Pump Required Speed	P-01							CP-J11	AO	
0135	0	SI-J620A	Speed Indication	Sodium Hypochlorite to Chlorine Contact Tank Pump Speed	P-01							CP-J11	AI	
0136	0	UF-J620A	No Fault	Sodium Hypochlorite to Chlorine Contact Tank Pump Fault	P-01							CP-J11	DI	
0137	0	YB-J620A	Close Command	Sodium Hypochlorite Pump P-J620A Outlet Control Valve Close	P-01							CP-J11	DO	
0138	0	YD-J620A	Open Command	Sodium Hypochlorite Pump P-J620A Outlet Control Valve Open	P-01							CP-J11	DO	
0139	0	YS-J620A	C/O/H Switch in Computer Position	Sodium Hypochlorite to Chlorine Contact Tank Pump in Computer Mode	P-01							CP-J11	DI	
0140	0	YS-J620B	C/O/H Switch in Computer Position	Sodium Hypochlorite Pump P-J620A Outlet Control Valve in Computer Mode	P-01							CP-J11	DI	
0141	0	ZA-J620A	Closed Status	Sodium Hypochlorite Pump P-J620A Outlet Control Valve Closed	P-01							CP-J11	DI	
0142	0	ZD-J620A	Open Status	Sodium Hypochlorite Pump P-J620A Outlet Control Valve Open	P-01							CP-J11	DI	
0143	0	ZS-J620A	Revolution Sensor	Sodium Hypochlorite to Chlorine Contact Tank Pump Revolution Sensor	P-01							CP-J11	DI	
0144	0	FI-J640A	Flow Indication	Sodium Hypochlorite to Filtered Water Channel Flow Rate	P-01							CP-J11	AI	
0145	0	FQ-J640A	Flow Pulse	Sodium Hypochlorite to Filtered Water Channel Flow Total	P-01							CP-J11	DI	
0146	0	MM-J640A	Running Status	Sodium Hypochlorite to Filtered Water Channel Pump Running	P-01							CP-J11	DI	
0147	0	MN-J640A	Start Command	Sodium Hypochlorite to Filtered Water Channel Pump Start	P-01							CP-J11	DO	
0148	0	SC-J640A	Speed Control Output	Sodium Hypochlorite to Filtered Water Channel Pump Required Speed	P-01							CP-J11	AO	
0149	0	SI-J640A	Speed Indication	Sodium Hypochlorite to Filtered Water Channel Pump Speed	P-01							CP-J11	AI	

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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			
0150	0	UF-J640A	No Fault	Sodium Hypochlorite to Filtered Water Channel Pump Fault	P-01						CP-J11	DI	
0151	0	YB-J640A	Close Command	Sodium Hypochlorite Pump P-J640A Outlet Control Valve Close	P-01						CP-J11	DO	
0152	0	YD-J640A	Open Command	Sodium Hypochlorite Pump P-J640A Outlet Control Valve Open	P-01						CP-J11	DO	
0153	0	YS-J640A	C/O/H Switch in Computer Position	Sodium Hypochlorite to Filtered Water Channel Pump in Computer Mode	P-01						CP-J11	DI	
0154	0	YS-J640B	C/O/H Switch in Computer Position	Sodium Hypochlorite Pump P-J640A Outlet Control Valve in Computer Mode	P-01						CP-J11	DI	
0155	0	ZA-J640A	Closed Status	Sodium Hypochlorite Pump P-J640A Outlet Control Valve Clsed	P-01						CP-J11	DI	
0156	0	ZD-J640A	Open Status	Sodium Hypochlorite Pump P-J640A Outlet Control Valve Open	P-01						CP-J11	DI	
0157	0	ZS-J640A	Revolution Sensor	Sodium Hypochlorite to Filtered Water Channel Pump Pump Revolution	P-01						CP-J11	DI	
0158	0	MM-J660A	Running Status	Sodium Hypochlorite to Filtered Water Channel Pump Running	P-01						CP-J11	DI	
0159	0	MN-J660A	Start Command	Sodium Hypochlorite to Filtered Water Channel Pump Start	P-01						CP-J11	DO	
0160	0	SC-J660A	Speed Control Output	Sodium Hypochlorite to Filtered Water Channel Pump Required Speed	P-01						CP-J11	AO	
0161	0	SI-J660A	Speed Indication	Sodium Hypochlorite to Filtered Water Channel Pump Speed	P-01						CP-J11	AI	
0162	0	UF-J660A	No Fault	Sodium Hypochlorite to Filtered Water Channel Pump Fault	P-01						CP-J11	DI	
0163	0	YB-J660A	Close Command	Sodium Hypochlorite Pump P-J660A Outlet Control Valve Closed	P-01						CP-J11	DO	
0164	0	YD-J660A	Open Command	Sodium Hypochlorite Pump P-J660A Outlet Control Valve Open	P-01						CP-J11	DO	
0165	0	YS-J660A	C/O/H Switch in Computer Position	Sodium Hypochlorite to Filtered Water Channel Pump in Computer Mode	P-01						CP-J11	DI	
0166	0	YS-J660B	C/O/H Switch in Computer Position	Sodium Hypochlorite Pump P-J660A Outlet Control Valve in Computer Mode	P-01						CP-J11	DI	
0167	0	ZA-J660A	Closed Status	Sodium Hypochlorite Pump P-J660A Outlet Control Valve Closed	P-01						CP-J11	DI	
0168	0	ZD-J660A	Open Status	Sodium Hypochlorite Pump P-J660A Outlet Control Valve Open	P-01						CP-J11	DI	
0169	0	ZS-J660A	Revolution Sensor	Sodium Hypochlorite to Filtered Water Channel Pump Pump Revolution	P-01						CP-J11	DI	
0170				HVAC Alarms							CP-J12	DI	
0171				HVAC Alarms							CP-J12	DI	
0172				HVAC Alarms							CP-J12	DI	
0173				HVAC Alarms							CP-J12	DI	
0174				HVAC Alarms							CP-J12	DI	
0175				HVAC Alarms							CP-J12	DI	
0176				HVAC Alarms							CP-J12	DI	
0177				HVAC Alarms							CP-J12	DI	
0178				HVAC Alarms							CP-J12	DI	
0179				HVAC Alarms							CP-J12	DI	
0180				HVAC Alarms							CP-J12	DI	
0181				HVAC Alarms							CP-J12	DI	
0182				HVAC Alarms							CP-J12	DI	
0183				To be confirmed							CP-J12	DI	
0184				To be confirmed							CP-J12	DI	
0185				To be confirmed							CP-J12	DI	
0186				To be confirmed							CP-J12	DO	
0187				To be confirmed							CP-J12	DO	

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RECORD NO.	REV. NO.	TAG NAME	DESCRIPTION		P&ID DRAWING	I/O SPECIFICATION							
			FUNCTION	SERVICE		ENG. UNITS	SCALE		ALARMS		PLC CABINET	I/O TYPE	I/O ADDRESS
							LOW	HIGH	LOW	HIGH			
0188				To be confirmed							CP-J12	DO	
0189				To be confirmed							CP-J12	DO	
0190				To be confirmed							CP-J12	DO	
0191				To be confirmed							CP-J12	DO	
0192				To be confirmed							CP-J12	DO	
0193				To be confirmed							CP-J12	DO	
0194				To be confirmed							CP-J12	DO	
0195				To be confirmed							CP-J12	AI	
0196				To be confirmed							CP-J12	AI	
0197				To be confirmed							CP-J12	AI	
0198				To be confirmed							CP-J12	AI	
0199				To be confirmed							CP-J12	AI	
0200				To be confirmed							CP-J12	AI	
0201				To be confirmed							CP-J12	AI	
0202				To be confirmed							CP-J12	AI	
0203	1	LA-S200A	Level Alarm	Bulk Sulphuric Acid Storage Tank High Level Audible Alarm Rail Car Side	WS-P0001						LCP-S11	DO	
0204	0	HS-S200A	Hand Switch	Bulk Sulphuric Acid Storage Tank TK-S210A Select Tank to Fill From Rail Car	WS-P0001						LCP-S11	DI	
0205	0	HS-S200B	Hand Switch	Bulk Sulphuric Acid Storage Tank TK-S220A Select Tank to Fill From Rail car	WS-P0001						LCP-S11	DI	
0206	0	HS-S200C	Hand Switch	Bulk Sulphuric Acid Storage Tank TK-S210A or TK-S220A Start Fill From Rail Car	WS-P0001						LCP-S11	DI	
0207	0	HS-S200D	Hand Switch	Start Steam System for Sulphuric Acid Rail Car	WS-P0001						LCP-S11	DI	
0208	0	HS-S200E	Hand Switch	Bulk Sulphuric Acid Storage Tank Start Air Purge	WS-P0001						LCP-S11	DI	
0209	0	HS-S200F	Hand Switch	Bulk Sulphuric Acid Storage Tank Fill System Stop	WS-P0001						LCP-S11	DI	
0210	1	HS-S200G	Pushbutton	Bulk Sulphuric Acid Storage Tank Rail Car Unloading Audible Alarm Accept	WS-P0001						LCP-S11	DI	
0211	0	XM-S200A	Lamp Output	Bulk Sulphuric Acid Storage Tank Air Purge Complete	WS-P0001						LCP-S11	DO	
0212	0	YD-S200A	Open Command	Open Fill Valve SOL-S200A	WS-P0001						LCP-S11	DO	
0213	1	LA-S204A	Level Alarm	Bulk Sulphuric Acid Storage Tank High Level Audible Alarm Truck Side	WS-P0001						LCP-S11	DO	
0214	0	HS-S204A	Hand Switch	Bulk Sulphuric Acid Storage Tank TK-S210A Select Tank to Fill From Truck	WS-P0001						LCP-S11	DI	
0215	0	HS-S204B	Hand Switch	Bulk Sulphuric Acid Storage Tank TK-S220A Select Tank to Fill From Truck	WS-P0001						LCP-S11	DI	
0216	0	HS-S204C	Hand Switch	Bulk Sulphuric Acid Storage Tank TK-S210A or TK-S220A Start Fill From Truck	WS-P0001						LCP-S11	DI	

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**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			
0217	0	HS-S204D	Hand Switch	Bulk Sulphuric Acid Storage Tank Start Air Purge	WS-P0001						LCP-S11	DI	
0218	0	HS-S204E	Hand Switch	Bulk Sulphuric Acid Storage Tank Fill System Stop	WS-P0001						LCP-S11	DI	
0219	1	HS-S204F	Pushbutton	Bulk Sulphuric Acid Storage Tank Truck Unloading Audible Alarm Accept	WS-P0001						LCP-S11	DI	
0220	0	YD-S204A	Open Command	Open Fill Valve SOL-S204A	WS-P0001						LCP-S11	DO	
0221	0	LA-S206A	Level Alarm	Sulphuric Acid Spill Containment Manhole Level	WS-P0001						LCP-S11	DI	
0222	0	YD-S206A	Open Command	Sulphuric Acid Spill Containment Manhole Outlet Flow Valve Open	WS-P0001						LCP-S11	DO	
0223	0	YB-S206A	Close Command	Sulphuric Acid Spill Containment Manhole Outlet Flow Valve Close	WS-P0001						LCP-S11	DO	
0224	0	YS-S206A	C/O/H Switch in Computer Position	Sulphuric Acid Spill Containment Manhole Outlet Flow Valve in Computer Mode	WS-P0001						LCP-S11	DI	
0225	0	ZD-S206A	Open Status	Sulphuric Acid Spill Containment Manhole Outlet Flow Valve Open	WS-P0001						LCP-S11	DI	
0226	0	ZB-S206A	Closed Status	Sulphuric Acid Spill Containment Manhole Outlet Flow Valve Closed	WS-P0001						LCP-S11	DI	
0227	0	YD-S207A	Open Command	Sulphuric Acid Spill Containment to North Sump Inlet Flow Valve Open	WS-P0001						LCP-S11	DO	
0228	0	YB-S207A	Close Command	Sulphuric Acid Spill Containment to North Sump Inlet Flow Valve Close	WS-P0001						LCP-S11	DO	
0229	0	YS-S207A	C/O/H Switch in Computer Position	Sulphuric Acid Spill Containment to North Sump Inlet Flow Valve in Computer Mode	WS-P0001						LCP-S11	DI	
0230	0	ZD-S207A	Open Status	Sulphuric Acid Spill Containment to North Sump Inlet Flow Valve Open	WS-P0001						LCP-S11	DI	
0231	0	ZB-S207A	Closed Status	Sulphuric Acid Spill Containment to North Sump Inlet Flow Valve Closed	WS-P0001						LCP-S11	DI	
0232	0	LA-S210A	Level Alarm	Bulk Sulphuric Acid Storage Tank TK-S210A Remote High Level	WS-P0001						LCP-S11	DO	
0233	0	LA-S210B	Level Alarm	Bulk Sulphuric Acid Storage Tank TK-S210A Remote High Level	WS-P0001						LCP-S11	DO	
0234	0	XM-S204A	Lamp Output	Bulk Sulphuric Acid Storage Tank Air Purge Complete	WS-P0001						LCP-S11	DO	
0235	0	YB-S210A	Close Command	Bulk Sulphuric Acid Storage Tank TK-S210A Inlet Flow Valve Close	WS-P0001						LCP-S11	DO	
0236	0	YD-S210A	Open Command	Bulk Sulphuric Acid Storage Tank TK-S210A Inlet Flow Valve Open	WS-P0001						LCP-S11	DO	
0237	0	YB-S210B	Close Command	Bulk Sulphuric Acid Storage Tank TK-S210A Inlet Flow Valve Close	WS-P0001						LCP-S11	DO	
0238	0	YD-S210B	Open Command	Bulk Sulphuric Acid Storage Tank TK-S210A Inlet Flow Valve Open	WS-P0001						LCP-S11	DO	
0239	0	ZD-S210A	Open Status	Bulk Sulphuric Acid Storage Tank TK-S210A Inlet Flow Valve Open	WS-P0001						LCP-S11	DI	
0240	0	ZB-S210A	Closed Status	Bulk Sulphuric Acid Storage Tank TK-S210A Inlet Flow Valve Closed	WS-P0001						LCP-S11	DI	
0241	0	ZD-S210B	Open Status	Bulk Sulphuric Acid Storage Tank TK-S210A Inlet Flow Valve Open	WS-P0001						LCP-S11	DI	
0242	0	ZB-S210B	Closed Status	Bulk Sulphuric Acid Storage Tank TK-S210A Inlet Flow Valve Closed	WS-P0001						LCP-S11	DI	
0243	0	ZD-S210C	Open Status	Bulk Sulphuric Acid Storage Tank TK-S210A Inlet Valve Open	WS-P0001						LCP-S11	DO	
0244	0	ZD-S210D	Open Status	Bulk Sulphuric Acid Storage Tank TK-S210A Inlet Valve Open	WS-P0001						LCP-S11	DO	
0245	0	LA-S220A	Level Alarm	Bulk Sulphuric Acid Storage Tank TK-S220A Remote High Level	WS-P0001						LCP-S11	DO	
0246	0	LA-S220B	Level Alarm	Bulk Sulphuric Acid Storage Tank TK-S220A Remote High Level	WS-P0001						LCP-S11	DO	
0247	0	YB-S220A	Close Command	Bulk Sulphuric Acid Storage Tank TK-S220A Inlet Flow Valve Close	WS-P0001						LCP-S11	DO	
0248	0	YD-S220A	Open Command	Bulk Sulphuric Acid Storage Tank TK-S220A Inlet Flow Valve Open	WS-P0001						LCP-S11	DO	
0249	0	YB-S220B	Close Command	Bulk Sulphuric Acid Storage Tank TK-S220A Inlet Flow Valve Close	WS-P0001						LCP-S11	DO	
0250	0	YD-S220B	Open Command	Bulk Sulphuric Acid Storage Tank TK-S220A Inlet Flow Valve Open	WS-P0001						LCP-S11	DO	
0251	0	ZD-S220A	Open Status	Bulk Sulphuric Acid Storage Tank TK-S220A Inlet Flow Valve Open	WS-P0001						LCP-S11	DI	

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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			
0252	0	ZB-S220A	Closed Status	Bulk Sulphuric Acid Storage Tank TK-S220A Inlet Flow Valve Closed	WS-P0001						LCP-S11	DI	
0253	0	ZD-S220B	Open Status	Bulk Sulphuric Acid Storage Tank TK-S220A Inlet Flow Valve Open	WS-P0001						LCP-S11	DI	
0254	0	ZB-S220B	Closed Status	Bulk Sulphuric Acid Storage Tank TK-S220A Inlet Flow Valve Closed	WS-P0001						LCP-S11	DI	
0255	0	ZD-S220C	Open Status	Bulk Sulphuric Acid Storage Tank TK-S220A Inlet Valve Open	WS-P0001						LCP-S11	DO	
0256	0	ZD-S220D	Open Status	Bulk Sulphuric Acid Storage Tank TK-S220A Inlet Valve Open	WS-P0001						LCP-S11	DO	
0257	0	FA-S750A	Flow Alarm	Emergency Shower Operating EEWS-S750A	WS-P0001						LCP-S11	DI	
0258	0	FA-S758A	Flow Alarm	Emergency Shower Operating EEWS-S758A	WS-P0001						LCP-S11	DI	
0259	0	LF-S210A	Level Fault	Bulk Sulphuric Acid Storage Tank TK-S210A Level Fault	WS-P0002						LCP-S11	DI	
0260	0	LI-S210B	Level Indicator	Bulk Sulphuric Acid Storage Tank TK-S210A Level	WS-P0002						LCP-S11	AI	
0261	0	LI-S210D	Level Indicator	Bulk Sulphuric Acid Storage Tank TK-S210A Level	WS-P0002						LCP-S11	AI	
0262	0	YS-S210C	C/O/H Switch in Computer Position	Bulk Sulphuric Acid Storage Tank TK-S210A in Computer Mode	WS-P0002						LCP-S11	DI	
0263	0	YB-S210C	Close Command	Bulk Sulphuric Acid Storage Tank TK-S210A Outlet Flow Valve Close	WS-P0002						LCP-S11	DO	
0264	0	YD-S210C	Open Command	Bulk Sulphuric Acid Storage Tank TK-S210A Outlet Flow Valve Open	WS-P0002						LCP-S11	DO	
0265	0	ZD-S210C	Open Status	Bulk Sulphuric Acid Storage Tank TK-S210A Outlet Flow Valve Open	WS-P0002						LCP-S11	DI	
0266	0	ZB-S210C	Closed Status	Bulk Sulphuric Acid Storage Tank TK-S210A Outlet Flow Valve Closed	WS-P0002						LCP-S11	DI	
0267	0	LF-S220A	Level Fault	Bulk Sulphuric Acid Storage Tank TK-S220A Level Fault	WS-P0002						LCP-S11	DI	
0268	0	LI-S220B	Level Indicator	Bulk Sulphuric Acid Storage Tank TK-S220A Level	WS-P0002						LCP-S11	AI	
0269	0	LI-S220D	Level Indicator	Bulk Sulphuric Acid Storage Tank TK-S220A Level	WS-P0002						LCP-S11	AI	
0270	0	YS-S220C	C/O/H Switch in Computer Position	Bulk Sulphuric Acid Storage Tank TK-S220A in Computer Mode	WS-P0002						LCP-S11	DI	
0271	0	YB-S220C	Close Command	Bulk Sulphuric Acid Storage Tank TK-S220A Outlet Flow Valve Closed	WS-P0002						LCP-S11	DO	
0272	0	YD-S220C	Open Command	Bulk Sulphuric Acid Storage Tank TK-S220A Outlet Flow Valve Open	WS-P0002						LCP-S11	DO	
0273	0	ZD-S220C	Open Status	Bulk Sulphuric Acid Storage Tank TK-S220A Outlet Flow Valve Open	WS-P0002						LCP-S11	DI	
0274	0	ZB-S220C	Closed Status	Bulk Sulphuric Acid Storage Tank TK-S220A Outlet Flow Valve Closed	WS-P0002						LCP-S11	DI	
0275	0	LA-S260B	Level Alarm	Bulk Sulphuric Acid Containment High Level	WS-P0002						LCP-S11	DI	
0276	0	LA-S260B	Level Alarm	Bulk Sulphuric Acid Containment High Level Visual Alarm	WS-P0002						LCP-S11	DO	
0277	0	FA-S755A	Flow Alarm	Emergency Shower Operating EEWS-S755A	WS-P0002						LCP-S11	DI	
0278	0	MM-S230A	Running Status	Sulphuric Acid Feed Pump P-S230A Running	WS-P0003						LCP-S11	DI	
0279	0	MN-S230A	Start Command	Sulphuric Acid Feed Pump P-S230A Start	WS-P0003						LCP-S11	DO	
0280	0	SI-S230A	Speed Indication	Sulphuric Acid Feed Pump P-S230A Speed	WS-P0003						LCP-S11	AI	
0281	0	SC-S230A	Speed Control Output	Sulphuric Acid Feed Pump P-S230A Required Speed	WS-P0003						LCP-S11	AO	
0282	0	UF-S230A	No Fault	Sulphuric Acid Feed Pump P-S230A Fault	WS-P0003						LCP-S11	DI	
0283	0	YS-S230A	C/O/H Switch in Computer Position	Sulphuric Acid Feed Pump P-S230A in Computer Mode	WS-P0003						LCP-S11	DI	
0284	0	FI-S235A	Flow Indication	Sulphuric Acid Feed Pump P-S230A Outlet Flow Rate	WS-P0003						LCP-S11	AI	
0285	0	FQ-S235A	Flow Pulse	Sulphuric Acid Feed Pump P-S230A Outlet Flow Total	WS-P0003						LCP-S11	DI	
0286	0	MM-S240A	Running Status	Sulphuric Acid Feed Pump P-S240A Running	WS-P0003						LCP-S11	DI	
0287	0	MN-S240A	Start Command	Sulphuric Acid Feed Pump P-S240A Start	WS-P0003						LCP-S11	DO	
0288	0	SI-S240A	Speed Indication	Sulphuric Acid Feed Pump P-S240A Speed	WS-P0003						LCP-S11	AI	
0289	0	SC-S240A	Speed Control Output	Sulphuric Acid Feed Pump P-S240A Required Speed	WS-P0003						LCP-S11	AO	

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RECORD NO.	REV. NO.	TAG NAME	DESCRIPTION			P&ID DRAWING	I/O SPECIFICATION						
			FUNCTION	SERVICE	ENG. UNITS		SCALE		ALARMS		PLC CABINET	I/O TYPE	I/O ADDRESS
							LOW	HIGH	LOW	HIGH			
0290	0	UF-S240A	No Fault	Sulphuric Acid Feed Pump P-S240A Fault	WS-P0003						LCP-S11	DI	
0291	0	YS-S240A	C/O/H Switch in Computer Position	Sulphuric Acid Feed Pump P-S240A in Computer Mode	WS-P0003						LCP-S11	DI	
0292	0	YD-S240A	Open Command	Standby Sulphuric Acid Feed Pump P-S240A Open	WS-P0003						LCP-S11	DO	
0293	0	YB-S240A	Close Command	Standby Sulphuric Acid Feed Pump P-S240A Close	WS-P0003						LCP-S11	DO	
0294	0	YS-S240B	C/O/H Switch in Computer Position	Standby Sulphuric Acid Feed Pump P-S240A in Computer Mode	WS-P0003						LCP-S11	DI	
0295	0	YD-S240B	Open Command	Standby Sulphuric Acid Feed Pump P-S240A Open	WS-P0003						LCP-S11	DO	
0296	0	YB-S240B	Close Command	Standby Sulphuric Acid Feed Pump P-S240A Close	WS-P0003						LCP-S11	DO	
0297	0	YS-S240C	C/O/H Switch in Computer Position	Standby Sulphuric Acid Feed Pump P-S240A in Computer Mode	WS-P0003						LCP-S11	DI	
0298	0	ZB-S240A	Closed Status	Standby Sulphuric Acid Feed Pump P-S240A Outlet Control Valve Closed	WS-P0003						LCP-S11	DI	
0299	0	ZD-S240A	Open Status	Standby Sulphuric Acid Feed Pump P-S240A Outlet Control Valve Open	WS-P0003						LCP-S11	DI	
0300	0	ZB-S240B	Closed Status	Standby Sulphuric Acid Feed Pump P-S240A Outlet Control Valve Closed	WS-P0003						LCP-S11	DI	
0301	0	ZD-S240B	Open Status	Standby Sulphuric Acid Feed Pump P-S240A Outlet Control Valve Open	WS-P0003						LCP-S11	DI	
0302	0	MM-S250A	Running Status	Sulphuric Acid Feed Pump P-S250A Running	WS-P0003						LCP-S11	DI	
0303	0	MN-S250A	Start Command	Sulphuric Acid Feed Pump P-S250A Start	WS-P0003						LCP-S11	DO	
0304	0	SI-S250A	Speed Indication	Sulphuric Acid Feed Pump P-S250A Speed	WS-P0003						LCP-S11	AI	
0305	0	SC-S250A	Speed Control Output	Sulphuric Acid Feed Pump P-S250A Required Speed	WS-P0003						LCP-S11	AO	
0306	0	UF-S250A	No Fault	Sulphuric Acid Feed Pump P-S250A Fault	WS-P0003						LCP-S11	DI	
0307	0	YS-S250A	C/O/H Switch in Computer Position	Sulphuric Acid Feed Pump P-S250A in Computer Mode	WS-P0003						LCP-S11	DI	
0308	0	FI-S255A	Flow Indication	Sulphuric Acid Feed Pump P-S250A Outlet Flow Rate	WS-P0003						LCP-S11	AI	
0309	0	FQ-S255A	Flow Pulse	Sulphuric Acid Feed Pump P-S250A Outlet Flow Total	WS-P0003						LCP-S11	DI	
0310	0	LA-S260A	Level Alarm	Sulphuric Acid Spill Containment High Level	WS-P0003						LCP-S11	DI	
0311	1	LA-S100A	Level Alarm	Bulk Ferric Chloride Storage Tank High Level Audible Alarm Rail Car Side	WS-P0004						LCP-S11	DO	
0312	0	HS-S100B	Hand Switch	Select Bulk Ferric Chloride Storage Tank TK-S110A to Fill	WS-P0004						LCP-S11	DI	
0313	0	HS-S100C	Hand Switch	Select Bulk Ferric Chloride Storage Tank TK-S120A to Fill	WS-P0004						LCP-S11	DI	
0314	0	HS-S100D	Hand Switch	Select Bulk Ferric Chloride Storage Tank TK-S130A to Fill	WS-P0004						LCP-S11	DI	
0315	0	HS-S100E	Hand Switch	Select Bulk Ferric Chloride Storage Tank TK-S140A to Fill	WS-P0004						LCP-S11	DI	
0316	0	HS-S100A	Hand Switch	Selected Bulk Ferric Chloride Storage Tank Start Fill	WS-P0004						LCP-S11	DI	
0317	0	HS-S100F	Hand Switch	Bulk Ferric Chloride Storage Tank Start Air Purge	WS-P0004						LCP-S11	DI	
0318	0	HS-S100G	Hand Switch	Bulk Ferric Chloride Storage Tank Fill System Stop	WS-P0004						LCP-S11	DI	
0319	1	HS-S100H	Pushbutton	Bulk Ferric Chloride Storage Tank High Level Audible Alarm Accept Rail Car Side	WS-P0004						LCP-S11	DI	
0320	0	XM-S100A	Lamp Output	Bulk Ferric Chloride Storage Tank Air Purge Complete	WS-P0004						LCP-S11	DO	
0321	0	YD-S100A	Open Command	Open Fill Valve for Bulk Ferric Chloride Rail Car	WS-P0004						LCP-S11	DO	
0322	1	LA-S105A	Level Alarm	Bulk Ferric Chloride Storage Tank High Level Audible Alarm Truck Side	WS-P0004						LCP-S11	DO	
0323	0	HS-S105B	Hand Switch	Select Bulk Ferric Chloride Storage Tank TK-S110A to Fill	WS-P0004						LCP-S11	DI	
0324	0	HS-S105C	Hand Switch	Select Bulk Ferric Chloride Storage Tank TK-S120A to Fill	WS-P0004						LCP-S11	DI	

I/O POINT TYPES: TCP = Modbus/TCP Ethernet, AI = Analog Input, AO = Analog Output, DI = Discrete Input, DO = Discrete Output

**PLC I/O INDEX**

RECORD NO.	REV. NO.	TAG NAME	DESCRIPTION			P&ID DRAWING	I/O SPECIFICATION						
			FUNCTION	SERVICE	ENG. UNITS		SCALE		ALARMS		PLC CABINET	I/O TYPE	I/O ADDRESS
							LOW	HIGH	LOW	HIGH			
0325	0	HS-S105D	Hand Switch	Select Bulk Ferric Chloride Storage Tank TK-S130A to Fill	WS-P0004						LCP-S11	DI	
0326	0	HS-S105E	Hand Switch	Select Bulk Ferric Chloride Storage Tank TK-S140A to Fill	WS-P0004						LCP-S11	DI	
0327	0	HS-S105A	Hand Switch	Selected Bulk Ferric Chloride Storage Tank Start Fill	WS-P0004						LCP-S11	DI	
0328	0	HS-S105F	Hand Switch	Bulk Ferric Chloride Storage Tank Start Air Purge	WS-P0004						LCP-S11	DI	
0329	0	HS-S105G	Hand Switch	Bulk Ferric Chloride Storage Tank Fill System Stop	WS-P0004						LCP-S11	DI	
0330		HS-S105H	Pushbutton	Bulk Ferric Chloride Storage Tank High Level Audible Alarm Accept Truck Fill Side	WS-P0004						LCP-S11	DI	
0331	0	XM-S105A	Lamp Output	Bulk Ferric Chloride Storage Tank Air Purge Complete	WS-P0004						LCP-S11	DO	
0332	0	YD-S105A	Open Command	Open Fill Valve for Bulk Ferric Chloride Rail Car	WS-P0004						LCP-S11	DO	
0333	0	YD-S107A	Open Command	Ferric Chloride Spill Containment to North Sump Inlet Flow Valve Open	WS-P0004						LCP-S11	DO	
0334	0	YB-S107A	Close Command	Ferric Chloride Spill Containment to North Sump Inlet Flow Valve Close	WS-P0004						LCP-S11	DO	
0335	0	YS-S107A	C/O/H Switch in Computer Position	Ferric Chloride Spill Containment to North Sump Inlet Flow Valve in Computer Mode	WS-P0004						LCP-S11	DI	
0336	0	ZD-S107A	Open Status	Ferric Chloride Spill Containment to North Sump Inlet Flow Valve Open	WS-P0004						LCP-S11	DI	
0337	0	ZB-S107A	Closed Status	Ferric Chloride Spill Containment to North Sump Inlet Flow Valve Closed	WS-P0004						LCP-S11	DI	
0338	0	LA-S110A	Level Alarm	Bulk Ferric Chloride Storage Tank TK-S110A High Level	WS-P0004						LCP-S11	DO	
0339	0	LA-S110B	Level Alarm	Bulk Ferric Chloride Storage Tank TK-S110A High Level	WS-P0004						LCP-S11	DO	
0340	0	YB-S110A	Close Command	Bulk Ferric Chloride Storage Tank TK-S110A Inlet Flow Valve Close	WS-P0004						LCP-S11	DO	
0341	0	YD-S110A	Open Command	Bulk Ferric Chloride Storage Tank TK-S110A Inlet Flow Valve Open	WS-P0004						LCP-S11	DO	
0342	0	YB-S110B	Close Command	Bulk Ferric Chloride Storage Tank TK-S110A Inlet Flow Valve Close	WS-P0004						LCP-S11	DO	
0343	0	YD-S110B	Open Command	Bulk Ferric Chloride Storage Tank TK-S110A Inlet Flow Valve Open	WS-P0004						LCP-S11	DO	
0344	0	ZD-S110A	Open Status	Bulk Ferric Chloride Storage Tank TK-S110A Inlet Flow Valve Open	WS-P0004						LCP-S11	DI	
0345	0	ZB-S110A	Closed Status	Bulk Ferric Chloride Storage Tank TK-S110A Inlet Flow Valve Closed	WS-P0004						LCP-S11	DI	
0346	0	ZD-S110B	Open Status	Bulk Ferric Chloride Storage Tank TK-S110A Inlet Flow Valve Open	WS-P0004						LCP-S11	DI	
0347	0	ZB-S110B	Closed Status	Bulk Ferric Chloride Storage Tank TK-S110A Inlet Flow Valve Closed	WS-P0004						LCP-S11	DI	
0348	0	ZD-S110A	Open Status	Bulk Ferric Chloride Storage Tank TK-S110A Inlet Valve Open	WS-P0004						LCP-S11	DO	
0349	0	ZD-S110B	Open Status	Bulk Ferric Chloride Storage Tank TK-S110A Inlet Valve Open	WS-P0004						LCP-S11	DO	
0350	0	LA-S120A	Level Alarm	Bulk Ferric Chloride Storage Tank TK-S120A High Level	WS-P0004						LCP-S11	DO	
0351	0	LA-S120B	Level Alarm	Bulk Ferric Chloride Storage Tank TK-S120A High Level	WS-P0004						LCP-S11	DO	
0352	0	YB-S120A	Close Command	Bulk Ferric Chloride Storage Tank TK-S120A Inlet Flow Valve Close	WS-P0004						LCP-S11	DO	
0353	0	YD-S120A	Open Command	Bulk Ferric Chloride Storage Tank TK-S120A Inlet Flow Valve Open	WS-P0004						LCP-S11	DO	
0354	0	YB-S120B	Close Command	Bulk Ferric Chloride Storage Tank TK-S120A Inlet Flow Valve Close	WS-P0004						LCP-S11	DO	
0355	0	YD-S120B	Open Command	Bulk Ferric Chloride Storage Tank TK-S120A Inlet Flow Valve Open	WS-P0004						LCP-S11	DO	
0356	0	ZD-S120A	Open Status	Bulk Ferric Chloride Storage Tank TK-S120A Inlet Flow Valve Open	WS-P0004						LCP-S11	DI	
0357	0	ZB-S120A	Closed Status	Bulk Ferric Chloride Storage Tank TK-S120A Inlet Flow Valve Closed	WS-P0004						LCP-S11	DI	
0358	0	ZD-S120B	Open Status	Bulk Ferric Chloride Storage Tank TK-S120A Inlet Flow Valve Open	WS-P0004						LCP-S11	DI	
0359	0	ZB-S120B	Closed Status	Bulk Ferric Chloride Storage Tank TK-S120A Inlet Flow Valve Closed	WS-P0004						LCP-S11	DI	
0360	0	ZD-S120A	Open Status	Bulk Ferric Chloride Storage Tank TK-S120A Inlet Valve Open	WS-P0004						LCP-S11	DO	

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RECORD NO.	REV. NO.	TAG NAME	DESCRIPTION			P&ID DRAWING	I/O SPECIFICATION						
			FUNCTION	SERVICE	ENG. UNITS		SCALE		ALARMS		PLC CABINET	I/O TYPE	I/O ADDRESS
							LOW	HIGH	LOW	HIGH			
0361	0	ZD-S120B	Open Status	Bulk Ferric Chloride Storage Tank TK-S120A Inlet Valve Open	WS-P0004						LCP-S11	DO	
0362	0	LA-S130A	Level Alarm	Bulk Ferric Chloride Storage Tank TK-S130A High Level	WS-P0004						LCP-S11	DO	
0363	0	LA-S130B	Level Alarm	Bulk Ferric Chloride Storage Tank TK-S130A High Level	WS-P0004						LCP-S11	DO	
0364	0	YB-S130A	Close Command	Bulk Ferric Chloride Storage Tank TK-S130A Inlet Flow Valve Close	WS-P0004						LCP-S11	DO	
0365	0	YD-S130A	Open Command	Bulk Ferric Chloride Storage Tank TK-S130A Inlet Flow Valve Open	WS-P0004						LCP-S11	DO	
0366	0	YB-S130B	Close Command	Bulk Ferric Chloride Storage Tank TK-S130A Inlet Flow Valve Close	WS-P0004						LCP-S11	DO	
0367	0	YD-S130B	Open Command	Bulk Ferric Chloride Storage Tank TK-S130A Inlet Flow Valve Open	WS-P0004						LCP-S11	DO	
0368	0	ZD-S130A	Open Status	Bulk Ferric Chloride Storage Tank TK-S130A Inlet Flow Valve Open	WS-P0004						LCP-S11	DI	
0369	0	ZB-S130A	Closed Status	Bulk Ferric Chloride Storage Tank TK-S130A Inlet Flow Valve Closed	WS-P0004						LCP-S11	DI	
0370	0	ZD-S130B	Open Status	Bulk Ferric Chloride Storage Tank TK-S130A Inlet Flow Valve Open	WS-P0004						LCP-S11	DI	
0371	0	ZB-S130B	Closed Status	Bulk Ferric Chloride Storage Tank TK-S130A Inlet Flow Valve Closed	WS-P0004						LCP-S11	DI	
0372	0	ZD-S130A	Open Status	Bulk Ferric Chloride Storage Tank TK-S130A Inlet Valve Open	WS-P0004						LCP-S11	DO	
0373	0	ZD-S130B	Open Status	Bulk Ferric Chloride Storage Tank TK-S130A Inlet Valve Open	WS-P0004						LCP-S11	DO	
0374	0	LA-S140A	Level Alarm	Bulk Ferric Chloride Storage Tank TK-S140A High Level	WS-P0004						LCP-S11	DO	
0375	0	LA-S140B	Level Alarm	Bulk Ferric Chloride Storage Tank TK-S140A High Level	WS-P0004						LCP-S11	DO	
0376	0	YB-S140A	Close Command	Bulk Ferric Chloride Storage Tank TK-S140A Inlet Flow Valve Close	WS-P0004						LCP-S11	DO	
0377	0	YD-S140A	Open Command	Bulk Ferric Chloride Storage Tank TK-S140A Inlet Flow Valve Open	WS-P0004						LCP-S11	DO	
0378	0	YB-S140B	Close Command	Bulk Ferric Chloride Storage Tank TK-S140A Inlet Flow Valve Close	WS-P0004						LCP-S11	DO	
0379	0	YD-S140B	Open Command	Bulk Ferric Chloride Storage Tank TK-S140A Inlet Flow Valve Open	WS-P0004						LCP-S11	DO	
0380	0	ZD-S140A	Open Status	Bulk Ferric Chloride Storage Tank TK-S140A Inlet Flow Valve Open	WS-P0004						LCP-S11	DI	
0381	0	ZB-S140A	Closed Status	Bulk Ferric Chloride Storage Tank TK-S140A Inlet Flow Valve Closed	WS-P0004						LCP-S11	DI	
0382	0	ZD-S140B	Open Status	Bulk Ferric Chloride Storage Tank TK-S140A Inlet Flow Valve Open	WS-P0004						LCP-S11	DI	
0383	0	ZB-S140B	Closed Status	Bulk Ferric Chloride Storage Tank TK-S140A Inlet Flow Valve Closed	WS-P0004						LCP-S11	DI	
0384	0	ZD-S140A	Open Status	Bulk Ferric Chloride Storage Tank TK-S140A Inlet Valve Open	WS-P0004						LCP-S11	DO	
0385	0	ZD-S140B	Open Status	Bulk Ferric Chloride Storage Tank TK-S140A Inlet Valve Open	WS-P0004						LCP-S11	DO	
0386	0	LF-S110A	Level Fault	Bulk Ferric Chloride Storage Tank TK-S110A Level Fault	WS-P0005						LCP-S11	DI	
0387	0	LI-S110B	Level Indicator	Bulk Ferric Chloride Storage Tank TK-S110A Level	WS-P0005						LCP-S11	AI	
0388	0	LI-S110D	Level Indicator	Bulk Ferric Chloride Storage Tank TK-S110A Level	WS-P0005						LCP-S11	AI	
0389	0	YS-S110C	C/O/H Switch in Computer Position	Bulk Ferric Chloride Storage Tank TK-S110A Outlet Flow Valve in Computer Mode	WS-P0005						LCP-S11	DI	
0390	0	YB-S110C	Close Command	Bulk Ferric Chloride Storage Tank TK-S110A Outlet Flow Valve Close	WS-P0005						LCP-S11	DO	
0391	0	YD-S110C	Open Command	Bulk Ferric Chloride Storage Tank TK-S110A Outlet Flow Valve Open	WS-P0005						LCP-S11	DO	
0392	0	ZD-S110C	Open Status	Bulk Ferric Chloride Storage Tank TK-S110A Outlet Flow Valve Open	WS-P0005						LCP-S11	DI	
0393	0	ZB-S110C	Closed Status	Bulk Ferric Chloride Storage Tank TK-S110A Outlet Flow Valve Close	WS-P0005						LCP-S11	DI	
0394	0	LF-S120A	Level Fault	Bulk Ferric Chloride Storage Tank TK-S120A Level Fault	WS-P0005						LCP-S11	DI	
0395	0	LI-S120B	Level Indicator	Bulk Ferric Chloride Storage Tank TK-S120A Level	WS-P0005						LCP-S11	AI	
0396	0	LI-S120D	Level Indicator	Bulk Ferric Chloride Storage Tank TK-S120A Level	WS-P0005						LCP-S11	AI	

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RECORD NO.	REV. NO.	TAG NAME	DESCRIPTION			P&ID DRAWING	I/O SPECIFICATION							
			FUNCTION	SERVICE	ENG. UNITS		SCALE		ALARMS		PLC CABINET	I/O TYPE	I/O ADDRESS	
							LOW	HIGH	LOW	HIGH				
0397	0	YS-S120C	C/O/H Switch in Computer Position	Bulk Ferric Chloride Storage Tank TK-S120A Outlet Flow Valve in Computer Mode	WS-P0005							LCP-S11	DI	
0398	0	YB-S120C	Close Command	Bulk Ferric Chloride Storage Tank TK-S120A Outlet Flow Valve Close	WS-P0005							LCP-S11	DO	
0399	0	YD-S120C	Open Command	Bulk Ferric Chloride Storage Tank TK-S120A Outlet Flow Valve Open	WS-P0005							LCP-S11	DO	
0400	0	ZD-S120C	Open Status	Bulk Ferric Chloride Storage Tank TK-S120A Outlet Flow Valve Open	WS-P0005							LCP-S11	DI	
0401	0	ZB-S120C	Closed Status	Bulk Ferric Chloride Storage Tank TK-S120A Outlet Flow Valve Close	WS-P0005							LCP-S11	DI	
0402	0	LA-S190B	Level Alarm	Bulk Ferric Chloride Containment High Level Alarm	WS-P0005							LCP-S11	DI	
0403	0	LA-S190C	Level Alarm	Bulk Ferric Chloride Containment High Level Visual Alarm	WS-P0005							LCP-S11	DO	
0404	0	FA-S757A	Flow Alarm	Emergency Shower Operating EEWS-S757A	WS-P0005							LCP-S11	DI	
0405	0	LF-S130A	Level Fault	Bulk Ferric Chloride Storage Tank TK-S130A Level Fault	WS-P0006							LCP-S11	DI	
0406	0	LI-S130B	Level Indicator	Bulk Ferric Chloride Storage Tank TK-S130A Level	WS-P0006							LCP-S11	AI	
0407	0	LI-S130D	Level Indicator	Bulk Ferric Chloride Storage Tank TK-S130A Level	WS-P0006							LCP-S11	AI	
0408	0	YS-S130C	C/O/H Switch in Computer Position	Bulk Ferric Chloride Storage Tank TK-S130A Outlet Flow Valve in Computer Mode	WS-P0006							LCP-S11	DI	
0409	0	YB-S130C	Close Command	Bulk Ferric Chloride Storage Tank TK-S130A Outlet Flow Valve Close	WS-P0006							LCP-S11	DO	
0410	0	YD-S130C	Open Command	Bulk Ferric Chloride Storage Tank TK-S130A Outlet Flow Valve Open	WS-P0006							LCP-S11	DO	
0411	0	ZD-S130C	Open Status	Bulk Ferric Chloride Storage Tank TK-S130A Outlet Flow Valve Open	WS-P0006							LCP-S11	DI	
0412	0	ZB-S130C	Closed Status	Bulk Ferric Chloride Storage Tank TK-S130A Outlet Flow Valve Close	WS-P0006							LCP-S11	DI	
0413	0	LF-S140A	Level Fault	Bulk Ferric Chloride Storage Tank TK-S140A Level Fault	WS-P0006							LCP-S11	DI	
0414	0	LI-S140B	Level Indicator	Bulk Ferric Chloride Storage Tank TK-S140A Level	WS-P0006							LCP-S11	AI	
0415	0	LI-S140D	Level Indicator	Bulk Ferric Chloride Storage Tank TK-S140A Level	WS-P0006							LCP-S11	AI	
0416	0	YS-S140C	C/O/H Switch in Computer Position	Bulk Ferric Chloride Storage Tank TK-S140A Outlet Flow Valve in Computer Mode	WS-P0006							LCP-S11	DI	
0417	0	YB-S140C	Close Command	Bulk Ferric Chloride Storage Tank TK-S140A Outlet Flow Valve Close	WS-P0006							LCP-S11	DO	
0418	0	YD-S140C	Open Command	Bulk Ferric Chloride Storage Tank TK-S140A Outlet Flow Valve Open	WS-P0006							LCP-S11	DO	
0419	0	ZD-S140C	Open Status	Bulk Ferric Chloride Storage Tank TK-S140A Outlet Flow Valve Open	WS-P0006							LCP-S11	DI	
0420	0	ZB-S140C	Closed Status	Bulk Ferric Chloride Storage Tank TK-S140A Outlet Flow Valve Close	WS-P0006							LCP-S11	DI	
0421	0	MM-S160A	Running Status	Ferric Chloride Feed Pump P-S260A Running	WS-P0007							LCP-S11	DI	
0422	0	MN-S160A	Start Command	Ferric Chloride Feed Pump P-S260A Start	WS-P0007							LCP-S11	DO	
0423	0	SI-S160A	Speed Indication	Ferric Chloride Feed Pump P-S260A Speed	WS-P0007							LCP-S11	AI	
0424	0	SC-S160A	Speed Control Output	Ferric Chloride Feed Pump P-S260A Required Speed	WS-P0007							LCP-S11	AO	
0425	0	UF-S160A	No Fault	Ferric Chloride Feed Pump P-S260A Fault	WS-P0007							LCP-S11	DI	
0426	0	YS-S160A	C/O/H Switch in Computer Position	Ferric Chloride Feed Pump P-S260A in Computer Mode	WS-P0007							LCP-S11	DI	
0427	0	FI-S165A	Flow Indication	Ferric Chloride Feed Pump P-S260A Outlet Flow Rate	WS-P0007							LCP-S11	AI	

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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			
0428	0	FO-S165A	Flow Pulse	Ferric Chloride Feed Pump P-S260A Outlet Flow Total	WS-P0007						LCP-S11	DI	
0429	0	MM-S170A	Running Status	Ferric Chloride Feed Pump P-S270A Running	WS-P0007						LCP-S11	DI	
0430	0	MN-S170A	Start Command	Ferric Chloride Feed Pump P-S270A Start	WS-P0007						LCP-S11	DO	
0431	0	SI-S170A	Speed Indication	Ferric Chloride Feed Pump P-S270A Speed	WS-P0007						LCP-S11	AI	
0432	0	SC-S170A	Speed Control Output	Ferric Chloride Feed Pump P-S270A Required Speed	WS-P0007						LCP-S11	AO	
0433	0	UF-S170A	No Fault	Ferric Chloride Feed Pump P-S270A Fault	WS-P0007						LCP-S11	DI	
0434	0	YS-S170A	C/O/H Switch in Computer Position	Ferric Chloride Feed Pump P-S270A in Computer Mode	WS-P0007						LCP-S11	DI	
0435	0	YD-S170A	Open Command	Standby Ferric Chloride Feed Pump P-S170A Open	WS-P0007						LCP-S11	DO	
0436	0	YB-S170A	Close Command	Standby Ferric Chloride Feed Pump P-S170A Close	WS-P0007						LCP-S11	DO	
0437	0	YS-S170B	C/O/H Switch in Computer Position	Standby Ferric Chloride Feed Pump P-S170A in Computer Mode	WS-P0007						LCP-S11	DI	
0438	0	YD-S170B	Open Command	Standby Ferric Chloride Feed Pump P-S170A Open	WS-P0007						LCP-S11	DO	
0439	0	YB-S170B	Close Command	Standby Ferric Chloride Feed Pump P-S170A Close	WS-P0007						LCP-S11	DO	
0440	0	YS-S170C	C/O/H Switch in Computer Position	Standby Ferric Chloride Feed Pump P-S170A in Computer Mode	WS-P0007						LCP-S11	DI	
0441	0	ZB-S170A	Closed Status	Standby Ferric Chloride Feed Pump P-S170A Outlet Control Valve Closed	WS-P0007						LCP-S11	DI	
0442	0	ZD-S170A	Open Status	Standby Ferric Chloride Feed Pump P-S170A Outlet Control Valve Open	WS-P0007						LCP-S11	DI	
0443	0	ZB-S170B	Closed Status	Standby Ferric Chloride Feed Pump P-S170A Outlet Control Valve Closed	WS-P0007						LCP-S11	DI	
0444	0	ZD-S170B	Open Status	Standby Ferric Chloride Feed Pump P-S170A Outlet Control Valve Open	WS-P0007						LCP-S11	DI	
0445	0	MM-S180A	Running Status	Ferric Chloride Feed Pump P-S280A Running	WS-P0007						LCP-S11	DI	
0446	0	MN-S180A	Start Command	Ferric Chloride Feed Pump P-S280A Start	WS-P0007						LCP-S11	DO	
0447	0	SI-S180A	Speed Indication	Ferric Chloride Feed Pump P-S280A Speed	WS-P0007						LCP-S11	AI	
0448	0	SC-S180A	Speed Control Output	Ferric Chloride Feed Pump P-S280A Required Speed	WS-P0007						LCP-S11	AO	
0449	0	UF-S180A	No Fault	Ferric Chloride Feed Pump P-S280A Fault	WS-P0007						LCP-S11	DI	
0450	0	YS-S180A	C/O/H Switch in Computer Position	Ferric Chloride Feed Pump P-S280A in Computer Mode	WS-P0007						LCP-S11	DI	
0451	0	FI-S185A	Flow Indication	Ferric Chloride Feed Pump P-S280A Outlet Flow Rate	WS-P0007						LCP-S11	AI	
0452	0	FO-S185A	Flow Pulse	Ferric Chloride Feed Pump P-S280A Outlet Flow Total	WS-P0007						LCP-S11	DI	
0453	0	LA-S190A	Level Alarm	Ferric Chloride Spill Containment High Level	WS-P0007						LCP-S11	DI	
0454		LA-S300A	Level Alarm	Bulk Sodium Hydroxide Storage Tank High Level Audible Alarm Rail Car Side	WS-P0008						LCP-S11	DO	
0455	0	HS-S300B	Hand Switch	Select Sodium Hydroxide Storage Tank TK-S310A to Fill	WS-P0008						LCP-S11	DI	
0456	0	HS-S300C	Hand Switch	Select Sodium Hydroxide Storage Tank TK-S320A to Fill	WS-P0008						LCP-S11	DI	
0457	0	HS-S300D	Hand Switch	Select Sodium Hydroxide Storage Tank TK-S330A to Fill	WS-P0008						LCP-S11	DI	
0458	0	HS-S300E	Hand Switch	Select Sodium Hydroxide Storage Tank TK-S340A to Fill	WS-P0008						LCP-S11	DI	
0459	0	HS-S300A	Hand Switch	Selected Sodium Hydroxide Storage Tank Start Fill	WS-P0008						LCP-S11	DI	
0460	0	HS-S300G	Hand Switch	Start Air Purge for Sodium Hydroxide Rail Car	WS-P0008						LCP-S11	DI	
0461	0	YD-S300A	Open Command	Open Fill Valve for Sodium Hydroxide Rail Car	WS-P0008						LCP-S11	DO	
0462	0	YD-S300F	Open Command	Start Steam System for Sodium Hydroxide Rail Car	WS-P0008						LCP-S11	DO	
0463	0	HS-S300H	Hand Switch	Sodium Hydroxide Storage Tank Fill System Stop	WS-P0008						LCP-S11	DO	

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RECORD NO.	REV. NO.	TAG NAME	DESCRIPTION			P&ID DRAWING	I/O SPECIFICATION						
			FUNCTION	SERVICE	ENG. UNITS		SCALE		ALARMS		PLC CABINET	I/O TYPE	I/O ADDRESS
							LOW	HIGH	LOW	HIGH			
0464	1	HS-S300I	Pushbutton	Bulk Sodium Hydroxide Storage Tank High Level Audible Alarm Accept Rail Car Side	WS-P0008						LCP-S11	DO	
0465	0	XM-S301A	Lamp Output	Air Purge Completed for Sodium Hydroxide Rail Car	WS-P0008						LCP-S11	DO	
0466		LA-S307A	Level Alarm	Bulk Sodium Hydroxide Storage Tank High Level Audible Alarm Truck Side	WS-P0008						LCP-S11	DO	
0467	0	HS-S307B	Hand Switch	Select Sodium Hydroxide Storage Tank TK-S310A to Fill	WS-P0008						LCP-S11	DI	
0468	0	HS-S307C	Hand Switch	Select Sodium Hydroxide Storage Tank TK-S320A to Fill	WS-P0008						LCP-S11	DI	
0469	0	HS-S307D	Hand Switch	Select Sodium Hydroxide Storage Tank TK-S330A to Fill	WS-P0008						LCP-S11	DI	
0470	0	HS-S307E	Hand Switch	Select Sodium Hydroxide Storage Tank TK-S340A to Fill	WS-P0008						LCP-S11	DI	
0471	0	HS-S307A	Hand Switch	Selected Sodium Hydroxide Storage Tank Start Fill	WS-P0008						LCP-S11	DI	
0472	0	HS-S307F	Hand Switch	Start Air Purge for Sodium Hydroxide Truck	WS-P0008						LCP-S11	DI	
0473	0	HS-S307G	Hand Switch	Sodium Hydroxide Storage Tank Fill System Stop	WS-P0008						LCP-S11	DI	
0474	1	HS-S300H	Pushbutton	Bulk Sodium Hydroxide Storage Tank High Level Audible Alarm Accept Truck Side	WS-P0008						LCP-S11	DO	
0475	0	XM-S307A	Lamp Output	Air Purge Completed for Sodium Hydroxide Truck	WS-P0008						LCP-S11	DO	
0476	0	YD-S307A	Open Command	Open Fill Valve for Sodium Hydroxide Rail Car	WS-P0008						LCP-S11	DO	
0477	0	LA-S309A	Level Alarm	Sodium Hydroxide Containment Manhole High Level	WS-P0008						LCP-S11	DI	
0478	0	YS-S309A	C/O/H Switch in Computer Position	Sodium Hydroxide Containment Manhole Outlet Flow Valve in Computer Mode	WS-P0008						LCP-S11	DI	
0479	0	YD-S309A	Open Command	Sodium Hydroxide Containment Manhole Outlet Flow Valve Open	WS-P0008						LCP-S11	DO	
0480	0	YB-S309A	Close Command	Sodium Hydroxide Containment Manhole Outlet Flow Valve Close	WS-P0008						LCP-S11	DO	
0481	0	ZD-S309A	Open Status	Sodium Hydroxide Containment Manhole Outlet Flow Valve Open	WS-P0008						LCP-S11	DI	
0482	0	ZB-S309A	Closed Status	Sodium Hydroxide Containment Manhole Outlet Flow Valve Closed	WS-P0008						LCP-S11	DI	
0483	0	LA-S310A	Level Alarm	Sodium Hydroxide Storage Tank TK-S310A High Level	WS-P0008						LCP-S11	DO	
0484	0	LA-S310B	Level Alarm	Sodium Hydroxide Storage Tank TK-S310A High Level	WS-P0008						LCP-S11	DO	
0485	0	YD-S310A	Open Command	Sodium Hydroxide Storage Tank TK-S310A Inlet Flow Valve Open	WS-P0008						LCP-S11	DO	
0486	0	YB-S310B	Close Command	Sodium Hydroxide Storage Tank TK-S310A Inlet Flow Valve Close	WS-P0008						LCP-S11	DO	
0487	0	YD-S310B	Open Command	Sodium Hydroxide Storage Tank TK-S310A Inlet Flow Valve Open	WS-P0008						LCP-S11	DO	
0488	0	ZD-S310A	Open Status	Sodium Hydroxide Storage Tank TK-S310A Inlet Flow Valve Open	WS-P0008						LCP-S11	DI	
0489	0	ZB-S310A	Closed Status	Sodium Hydroxide Storage Tank TK-S310A Inlet Flow Valve Closed	WS-P0008						LCP-S11	DI	
0490	0	ZD-S310B	Open Status	Sodium Hydroxide Storage Tank TK-S310A Inlet Flow Valve Open	WS-P0008						LCP-S11	DI	
0491	0	ZB-S310B	Closed Status	Sodium Hydroxide Storage Tank TK-S310A Inlet Flow Valve Closed	WS-P0008						LCP-S11	DI	
0492	0	ZD-S310A	Open Status	Sodium Hydroxide Storage Tank TK-S310A Inlet Valve Open	WS-P0008						LCP-S11	DO	
0493	0	ZD-S310B	Open Status	Sodium Hydroxide Storage Tank TK-S310A Inlet Valve Open	WS-P0008						LCP-S11	DO	
0494	0	LA-S320A	Level Alarm	Sodium Hydroxide Storage Tank TK-S320A High Level	WS-P0008						LCP-S11	DO	
0495	0	LA-S320B	Level Alarm	Sodium Hydroxide Storage Tank TK-S320A High Level	WS-P0008						LCP-S11	DO	
0496	0	YD-S320A	Open Command	Sodium Hydroxide Storage Tank TK-S320A Inlet Flow Valve Open	WS-P0008						LCP-S11	DO	
0497	0	YB-S320B	Close Command	Sodium Hydroxide Storage Tank TK-S320A Inlet Flow Valve Close	WS-P0008						LCP-S11	DO	

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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			
0498	0	YD-S320B	Open Command	Sodium Hydroxide Storage Tank TK-S320A Inlet Flow Valve Open	WS-P0008						LCP-S11	DO	
0499	0	ZD-S320A	Open Status	Sodium Hydroxide Storage Tank TK-S320A Inlet Flow Valve Open	WS-P0008						LCP-S11	DI	
0500	0	ZB-S320A	Closed Status	Sodium Hydroxide Storage Tank TK-S320A Inlet Flow Valve Closed	WS-P0008						LCP-S11	DI	
0501	0	ZD-S320B	Open Status	Sodium Hydroxide Storage Tank TK-S320A Inlet Flow Valve Open	WS-P0008						LCP-S11	DI	
0502	0	ZB-S320B	Closed Status	Sodium Hydroxide Storage Tank TK-S320A Inlet Flow Valve Closed	WS-P0008						LCP-S11	DI	
0503	0	ZD-S320A	Open Status	Sodium Hydroxide Storage Tank TK-S320A Inlet Valve Open	WS-P0008						LCP-S11	DO	
0504	0	ZD-S320B	Open Status	Sodium Hydroxide Storage Tank TK-S320A Inlet Valve Open	WS-P0008						LCP-S11	DO	
0505	0	LA-S330A	Level Alarm	Sodium Hydroxide Storage Tank TK-S330A High Level	WS-P0008						LCP-S11	DO	
0506	0	LA-S330B	Level Alarm	Sodium Hydroxide Storage Tank TK-S330A High Level	WS-P0008						LCP-S11	DO	
0507	0	YD-S330A	Open Command	Sodium Hydroxide Storage Tank TK-S330A Inlet Flow Valve Open	WS-P0008						LCP-S11	DO	
0508	0	YB-S330B	Close Command	Sodium Hydroxide Storage Tank TK-S330A Inlet Flow Valve Close	WS-P0008						LCP-S11	DO	
0509	0	YD-S330B	Open Command	Sodium Hydroxide Storage Tank TK-S330A Inlet Flow Valve Open	WS-P0008						LCP-S11	DO	
0510	0	ZD-S330A	Open Status	Sodium Hydroxide Storage Tank TK-S330A Inlet Flow Valve Open	WS-P0008						LCP-S11	DI	
0511	0	ZB-S330A	Closed Status	Sodium Hydroxide Storage Tank TK-S330A Inlet Flow Valve Closed	WS-P0008						LCP-S11	DI	
0512	0	ZD-S330B	Open Status	Sodium Hydroxide Storage Tank TK-S330A Inlet Flow Valve Open	WS-P0008						LCP-S11	DI	
0513	0	ZB-S330B	Closed Status	Sodium Hydroxide Storage Tank TK-S330A Inlet Flow Valve Closed	WS-P0008						LCP-S11	DI	
0514	0	ZD-S330A	Open Status	Sodium Hydroxide Storage Tank TK-S330A Inlet Valve Open	WS-P0008						LCP-S11	DO	
0515	0	ZD-S330B	Open Status	Sodium Hydroxide Storage Tank TK-S330A Inlet Valve Open	WS-P0008						LCP-S11	DO	
0516	0	LA-S340A	Level Alarm	Sodium Hydroxide Storage Tank TK-S340A High Level	WS-P0008						LCP-S11	DO	
0517	0	LA-S340B	Level Alarm	Sodium Hydroxide Storage Tank TK-S340A High Level	WS-P0008						LCP-S11	DO	
0518	0	YD-S340A	Open Command	Sodium Hydroxide Storage Tank TK-S340A Inlet Flow Valve Open	WS-P0008						LCP-S11	DO	
0519	0	YB-S340B	Close Command	Sodium Hydroxide Storage Tank TK-S340A Inlet Flow Valve Close	WS-P0008						LCP-S11	DO	
0520	0	YD-S340B	Open Command	Sodium Hydroxide Storage Tank TK-S340A Inlet Flow Valve Open	WS-P0008						LCP-S11	DO	
0521	0	ZD-S340A	Open Status	Sodium Hydroxide Storage Tank TK-S340A Inlet Flow Valve Open	WS-P0008						LCP-S11	DI	
0522	0	ZB-S340A	Closed Status	Sodium Hydroxide Storage Tank TK-S340A Inlet Flow Valve Closed	WS-P0008						LCP-S11	DI	
0523	0	ZD-S340B	Open Status	Sodium Hydroxide Storage Tank TK-S340A Inlet Flow Valve Open	WS-P0008						LCP-S11	DI	
0524	0	ZB-S340B	Closed Status	Sodium Hydroxide Storage Tank TK-S340A Inlet Flow Valve Closed	WS-P0008						LCP-S11	DI	
0525	0	ZD-S340A	Open Status	Sodium Hydroxide Storage Tank TK-S340A Inlet Valve Open	WS-P0008						LCP-S11	DO	
0526	0	ZD-S340B	Open Status	Sodium Hydroxide Storage Tank TK-S340A Inlet Valve Open	WS-P0008						LCP-S11	DO	
0527	0	FA-S751A	Flow Alarm	Emergency Shower Operating EEWS-S751A	WS-P0008						LCP-S11	DI	
0528	0	FA-S759A	Flow Alarm	Emergency Shower Operating EEWS-S759A	WS-P0008						LCP-S11	DI	
0529	0	LF-S310A	Level Fault	Bulk Sodium Hydroxide Storage Tank TK-S310A Level Fault	WS-P0009						LCP-S11	DI	
0530	0	LI-S310B	Level Indicator	Bulk Sodium Hydroxide Storage Tank TK-S310A Level	WS-P0009						LCP-S11	AI	
0531	0	LI-S310D	Level Indicator	Bulk Sodium Hydroxide Storage Tank TK-S310A Level	WS-P0009						LCP-S11	AI	
0532	0	TI-S310B	Temperature Indicator	Bulk Sodium Hydroxide Storage Tank TK-S310A Temperature	WS-P0009						LCP-S11	AI	
0533	0	XN-S310A	Heater Control Output	Bulk Sodium Hydroxide Storage Tank TK-S310A Heaters On	WS-P0009						LCP-S11	DO	
0534	0	YS-S310C	C/O/H Switch in Computer Position	Bulk Sodium Hydroxide Storage Tank TK-S310A Outlet Flow Valve in Computer Mode	WS-P0009						LCP-S11	DI	

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			FUNCTION	SERVICE	ENG. UNITS		SCALE		ALARMS		PLC CABINET	I/O TYPE	I/O ADDRESS
							LOW	HIGH	LOW	HIGH			
0535	0	YB-S310C	Close Command	Bulk Sodium Hydroxide Storage Tank TK-S310A Outlet Flow Valve Close	WS-P0009						LCP-S11	DO	
0536	0	YD-S310C	Open Command	Bulk Sodium Hydroxide Storage Tank TK-S310A Outlet Flow Valve Open	WS-P0009						LCP-S11	DO	
0537	0	ZD-S310C	Open Status	Bulk Sodium Hydroxide Storage Tank TK-S310A Outlet Flow Valve Open	WS-P0009						LCP-S11	DI	
0538	0	ZB-S310C	Closed Status	Bulk Sodium Hydroxide Storage Tank TK-S310A Outlet Flow Valve Close	WS-P0009						LCP-S11	DI	
0539	0	LF-S320A	Level Fault	Bulk Sodium Hydroxide Storage Tank TK-S320A Level Fault	WS-P0009						LCP-S11	DI	
0540	0	LI-S320B	Level Indicator	Bulk Sodium Hydroxide Storage Tank TK-S320A Level	WS-P0009						LCP-S11	AI	
0541	0	TI-S320B	Temperature Indicator	Bulk Sodium Hydroxide Storage Tank TK-S320A Temperature	WS-P0009						LCP-S11	AI	
0542	0	XN-S320A	Heater Control Output	Bulk Sodium Hydroxide Storage Tank TK-S320A Heaters On	WS-P0009						LCP-S11	DO	
0543	0	YS-S320C	C/O/H Switch in Computer Position	Bulk Sodium Hydroxide Storage Tank TK-S320A Outlet Flow Valve in Computer Mode	WS-P0009						LCP-S11	DI	
0544	0	YB-S320C	Close Command	Bulk Sodium Hydroxide Storage Tank TK-S320A Outlet Flow Valve Close	WS-P0009						LCP-S11	DO	
0545	0	YD-S320C	Open Command	Bulk Sodium Hydroxide Storage Tank TK-S320A Outlet Flow Valve Open	WS-P0009						LCP-S11	DO	
0546	0	ZD-S320C	Open Status	Bulk Sodium Hydroxide Storage Tank TK-S320A Outlet Flow Valve Open	WS-P0009						LCP-S11	DI	
0547	0	ZB-S320C	Closed Status	Bulk Sodium Hydroxide Storage Tank TK-S320A Outlet Flow Valve Close	WS-P0009						LCP-S11	DI	
0548	0	LA-S371B	Level Alarm	Sodium Hydroxide Containment North Sump Level High	WS-P0009						LCP-S11	DI	
0549	0	LA-S371C	Level Alarm	Sodium Hydroxide Containment Visual Level High Alarm	WS-P0009						LCP-S11	DO	
0550	0	FA-S754A	Flow Alarm	Emergency Shower Operating EEWS-S754A	WS-P0009						LCP-S11	DI	
0551	0	LF-S330A	Level Fault	Bulk Sodium Hydroxide Storage Tank TK-S330A Level Fault	WS-P0010						LCP-S11	DI	
0552	0	LI-S330B	Level Indicator	Bulk Sodium Hydroxide Storage Tank TK-S330A Level	WS-P0010						LCP-S11	AI	
0553	0	LI-S330D	Level Indicator	Bulk Sodium Hydroxide Storage Tank TK-S330A Level	WS-P0010						LCP-S11	AI	
0554	0	TI-S330B	Temperature Indicator	Bulk Sodium Hydroxide Storage Tank TK-S330A Temperature	WS-P0010						LCP-S11	AI	
0555	0	XN-S330A	Heater Control Output	Bulk Sodium Hydroxide Storage Tank TK-S330A Heaters On	WS-P0010						LCP-S11	DO	
0556	0	YS-S330C	C/O/H Switch in Computer Position	Bulk Sodium Hydroxide Storage Tank TK-S330A Outlet Flow Valve in Computer Mode	WS-P0010						LCP-S11	DI	
0557	0	YB-S330C	Close Command	Bulk Sodium Hydroxide Storage Tank TK-S330A Outlet Flow Valve Close	WS-P0010						LCP-S11	DO	
0558	0	YD-S330C	Open Command	Bulk Sodium Hydroxide Storage Tank TK-S330A Outlet Flow Valve Open	WS-P0010						LCP-S11	DO	
0559	0	ZD-S330C	Open Status	Bulk Sodium Hydroxide Storage Tank TK-S330A Outlet Flow Valve Open	WS-P0010						LCP-S11	DI	
0560	0	ZB-S330C	Closed Status	Bulk Sodium Hydroxide Storage Tank TK-S330A Outlet Flow Valve Close	WS-P0010						LCP-S11	DI	
0561	0	LF-S340A	Level Fault	Bulk Sodium Hydroxide Storage Tank TK-S340A Level Fault	WS-P0010						LCP-S11	DI	
0562	0	LI-S340B	Level Indicator	Bulk Sodium Hydroxide Storage Tank TK-S340A Level	WS-P0010						LCP-S11	AI	
0563	0	LI-S340D	Level Indicator	Bulk Sodium Hydroxide Storage Tank TK-S340A Leve	WS-P0010						LCP-S11	AI	
0564	0	TI-S340B	Temperature Indicator	Bulk Sodium Hydroxide Storage Tank TK-S340A Temperature	WS-P0010						LCP-S11	AI	
0565	0	XN-S340A	Heater Control Output	Bulk Sodium Hydroxide Storage Tank TK-S340A Heaters On	WS-P0010						LCP-S11	DO	
0566	0	YS-S340C	C/O/H Switch in Computer Position	Bulk Sodium Hydroxide Storage Tank TK-S340A Outlet Flow Valve in Computer Mode	WS-P0010						LCP-S11	DI	
0567	0	YB-S340C	Close Command	Bulk Sodium Hydroxide Storage Tank TK-S340A Outlet Flow Valve Close	WS-P0010						LCP-S11	DO	
0568	0	YD-S340C	Open Command	Bulk Sodium Hydroxide Storage Tank TK-S340A Outlet Flow Valve Open	WS-P0010						LCP-S11	DO	
0569	0	ZD-S340C	Open Status	Bulk Sodium Hydroxide Storage Tank TK-S340A Outlet Flow Valve Open	WS-P0010						LCP-S11	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			
0570	0	ZB-S340C	Closed Status	Bulk Sodium Hydroxide Storage Tank TK-S340A Outlet Flow Valve Close	WS-P0010						LCP-S11	DI	
0571	0	FI-S350A	Flow Indication	Sodium Hydroxide Feed Pump P-S350A Outlet Flow Rate	WS-P0011						LCP-S11	AI	
0572	0	FQ-S350A	Flow Pulse	Sodium Hydroxide Feed Pump P-S350A Outlet Flow Total	WS-P0011						LCP-S11	DI	
0573	0	MM-S350A	Running Status	Sodium Hydroxide Feed Pump P-S350A Running	WS-P0011						LCP-S11	DI	
0574	0	MN-S350A	Start Command	Sodium Hydroxide Feed Pump P-S350A Start	WS-P0011						LCP-S11	DO	
0575	0	SI-S350A	Speed Indication	Sodium Hydroxide Feed Pump P-S350A Speed	WS-P0011						LCP-S11	AI	
0576	0	SC-S350A	Speed Control Output	Sodium Hydroxide Feed Pump P-S350A Required Speed	WS-P0011						LCP-S11	AO	
0577	0	UF-S350A	No Fault	Sodium Hydroxide Feed Pump P-S350A Fault	WS-P0011						LCP-S11	DI	
0578	0	YS-S350A	C/O/H Switch in Computer Position	Sodium Hydroxide Feed Pump P-S350A in Computer Mode	WS-P0011						LCP-S11	DI	
0579	0	YS-S350B	C/O/H Switch in Computer Position	Sodium Hydroxide Feed Pump P-S350A Outlet Control Valve in Computer Mode	WS-P0011						LCP-S11	DI	
0580	0	YB-S350A	Close Command	Sodium Hydroxide Feed Pump P-S350A Outlet Control Valve Close	WS-P0011						LCP-S11	DO	
0581	0	YD-S350A	Open Command	Sodium Hydroxide Feed Pump P-S350A Outlet Control Valve Open	WS-P0011						LCP-S11	DO	
0582	0	ZB-S350A	Closed Status	Sodium Hydroxide Feed Pump P-S350A Outlet Control Valve Closed	WS-P0011						LCP-S11	DI	
0583	0	ZD-S350A	Open Status	Sodium Hydroxide Feed Pump P-S350A Outlet Control Valve Open	WS-P0011						LCP-S11	DI	
0584	0	MM-S360A	Running Status	Sodium Hydroxide Feed Pump P-S360A Running	WS-P0011						LCP-S11	DI	
0585	0	MN-S360A	Start Command	Sodium Hydroxide Feed Pump P-S360A Start	WS-P0011						LCP-S11	DO	
0586	0	SI-S360A	Speed Indication	Sodium Hydroxide Feed Pump P-S360A Speed	WS-P0011						LCP-S11	AI	
0587	0	SC-S360A	Speed Control Output	Sodium Hydroxide Feed Pump P-S360A Required Speed	WS-P0011						LCP-S11	AO	
0588	0	UF-S360A	No Fault	Sodium Hydroxide Feed Pump P-S360A Fault	WS-P0011						LCP-S11	DI	
0589	0	YS-S360A	C/O/H Switch in Computer Position	Sodium Hydroxide Feed Pump P-S360A in Computer Mode	WS-P0011						LCP-S11	DI	
0590	0	YS-S360B	C/O/H Switch in Computer Position	Standby Sodium Hydroxide Feed Pump P-S360A Outlet Control Valve in Computer Mode	WS-P0011						LCP-S11	DI	
0591	0	YB-S360A	Close Command	Standby Sodium Hydroxide Feed Pump P-S360A Outlet Control Valve Close	WS-P0011						LCP-S11	DO	
0592	0	YD-S360A	Open Command	Standby Sodium Hydroxide Feed Pump P-S360A Outlet Control Valve Open	WS-P0011						LCP-S11	DO	
0593	0	ZB-S360A	Closed Status	Standby Sodium Hydroxide Feed Pump P-S360A Outlet Control Valve Closed	WS-P0011						LCP-S11	DI	
0594	0	ZD-S360A	Open Status	Standby Sodium Hydroxide Feed Pump P-S360A Outlet Control Valve Open	WS-P0011						LCP-S11	DI	
0595	0	FI-S370A	Flow Indication	Sodium Hydroxide Feed Pump P-S370A Outlet Flow Rate	WS-P0011						LCP-S11	AI	
0596	0	FQ-S370A	Flow Pulse	Sodium Hydroxide Feed Pump P-S370A Outlet Flow Total	WS-P0011						LCP-S11	DI	
0597	0	MM-S370A	Running Status	Sodium Hydroxide Feed Pump P-S370A Running	WS-P0011						LCP-S11	DI	
0598	0	MN-S370A	Start Command	Sodium Hydroxide Feed Pump P-S370A Start	WS-P0011						LCP-S11	DO	
0599	0	SI-S370A	Speed Indication	Sodium Hydroxide Feed Pump P-S370A Speed	WS-P0011						LCP-S11	AI	
0600	0	SC-S370A	Speed Control Output	Sodium Hydroxide Feed Pump P-S370A Required Speed	WS-P0011						LCP-S11	AO	
0601	0	UF-S370A	No Fault	Sodium Hydroxide Feed Pump P-S370A Fault	WS-P0011						LCP-S11	DI	
0602	0	YS-S370A	C/O/H Switch in Computer Position	Sodium Hydroxide Feed Pump P-S370A in Computer Mode	WS-P0011						LCP-S11	DI	
0603	0	YS-S370B	C/O/H Switch in Computer Position	Sodium Hydroxide Feed Pump P-S370A Outlet Control Valve in Computer Mode	WS-P0011						LCP-S11	DI	
0604	0	YB-S370A	Close Command	Sodium Hydroxide Feed Pump P-S370A Outlet Control Valve Close	WS-P0011						LCP-S11	DO	

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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			
0605	0	YD-S370A	Open Command	Sodium Hydroxide Feed Pump P-S370A Outlet Control Valve Open	WS-P0011						LCP-S11	DO	
0606	0	ZB-S370A	Closed Status	Sodium Hydroxide Feed Pump P-S370A Outlet Control Valve Closed	WS-P0011						LCP-S11	DI	
0607	0	ZD-S370A	Open Status	Sodium Hydroxide Feed Pump P-S370A Outlet Control Valve Open	WS-P0011						LCP-S11	DI	
0608	0	LA-S371A	Level Alarm	Sodium Hydroxide Spill Containment South Sump High Level	WS-P0011						LCP-S11	DI	
0609	0	LA-S400A	Level Alarm	Bulk Ammonia Containment Manhole High Level	WS-P0012						LCP-S11	DI	
0610	0	YS-S400A	C/O/H Switch in Computer Position	Bulk Ammonia Containment Manhole Outlet Flow Valve in Computer Mode	WS-P0012						LCP-S11	DI	
0611	0	YB-S400A	Close Command	Bulk Ammonia Containment Manhole Outlet Flow Valve Close	WS-P0012						LCP-S11	DO	
0612	0	YD-S400A	Open Command	Bulk Ammonia Containment Manhole Outlet Flow Valve Open	WS-P0012						LCP-S11	DO	
0613	0	ZD-S400A	Open Status	Bulk Ammonia Containment Manhole Outlet Flow Valve Open	WS-P0012						LCP-S11	DI	
0614	0	ZB-S400A	Closed Status	Bulk Ammonia Containment Manhole Outlet Flow Valve Closed	WS-P0012						LCP-S11	DI	
0615	1	LA-S401A	Level Alarm	Bulk Ammonia Tank High Level Audible Alarm	WS-P0012						LCP-S11	DO	
0616	0	HS-S401A	Hand Switch	Bulk Ammonia Storage Tank TK-S410A or TK-S420A Start Fill From Truck	WS-P0012						LCP-S11	DI	
0617	0	HS-S401B	Hand Switch	Start Air Purge for Bulk Ammonia Truck	WS-P0012						LCP-S11	DI	
0618	0	HS-S401D	Hand Switch	Bulk Ammonia Tank Fill System Stop	WS-P0012						LCP-S11	DI	
0619	1	HS-S401C	Pushbutton	Bulk Ammonia Tank High Level Audible Alarm Accept	WS-P0012						LCP-S11	DI	
0620	0	YD-S401A	Close Command	Open Fill Valve SOL-S401A	WS-P0012						LCP-S11	DO	
0621	0	HS-S410A	Hand Switch	Bulk Ammonia Storage Tank TK-S410A Select Tank to Fill Truck	WS-P0012						LCP-S11	DI	
0622	0	LA-S410A	Level Alarm	Bulk Ammonia Storage Tank TK-S410A High Level	WS-P0012						LCP-S11	DO	
0623	0	XM-S410A	Lamp Output	Air Purge Completed for Bulk Ammonia Truck	WS-P0012						LCP-S11	DO	
0624	0	YB-S410A	Close Command	Bulk Ammonia Storage Tank TK-S410A Inlet Flow Valve Close	WS-P0012						LCP-S11	DO	
0625	0	YD-S410A	Open Command	Bulk Ammonia Storage Tank TK-S410A Inlet Flow Valve Open	WS-P0012						LCP-S11	DO	
0626	0	ZD-S410A	Open Status	Bulk Ammonia Storage Tank TK-S410A Inlet Flow Valve Open	WS-P0012						LCP-S11	DI	
0627	0	ZB-S410A	Closed Status	Bulk Ammonia Storage Tank TK-S410A Inlet Flow Valve Closed	WS-P0012						LCP-S11	DI	
0628	0	ZD-S410A	Open Status	Bulk Ammonia Storage Tank TK-S410A Inlet Valve Open	WS-P0012						LCP-S11	DO	
0629	0	HS-S420A	Hand Switch	Bulk Ammonia Storage Tank TK-S420A Select Tank to Fill Truck	WS-P0012						LCP-S11	DI	
0630	0	LA-S420A	Level Alarm	Bulk Ammonia Storage Tank TK-S420A High Level	WS-P0012						LCP-S11	DO	
0631	0	YB-S420A	Close Command	Bulk Ammonia Storage Tank TK-S420A Inlet Flow Valve Close	WS-P0012						LCP-S11	DO	
0632	0	YD-S420A	Open Command	Bulk Ammonia Storage Tank TK-S420A Inlet Flow Valve Open	WS-P0012						LCP-S11	DO	
0633	0	ZD-S420A	Open Status	Bulk Ammonia Storage Tank TK-S420A Inlet Flow Valve Open	WS-P0012						LCP-S11	DI	
0634	0	ZB-S420A	Closed Status	Bulk Ammonia Storage Tank TK-S420A Inlet Flow Valve Closed	WS-P0012						LCP-S11	DI	
0635	0	ZD-S420A	Open Status	Bulk Ammonia Storage Tank TK-S420A Inlet Valve Open	WS-P0012						LCP-S11	DO	
0636	0	FA-S752A	Flow Alarm	Emergency Shower Operating EEWS-S752A	WS-P0012						LCP-S11	DI	
0637	0	LA-S405A	Level Alarm	Bulk Ammonia Storage Tank TK-S410A Water Column Water Level Low	WS-P0013						LCP-S11	DI	
0638	0	LA-S405B	Level Alarm	Bulk Ammonia Storage Tank TK-S420A Water Column Water Level Low	WS-P0013						LCP-S11	DI	S
0639	0	LA-S405C	Level Alarm	Bulk Ammonia Containment Level High or Gas Visual Alarm	WS-P0013						LCP-S11	DI	
0640	0	YD-S405A	Open Command	Bulk Ammonia Storage Tank TK-S410A Solenoid Valve Open	WS-P0013						LCP-S11	DO	
0641	0	YD-S405B	Open Command	Bulk Ammonia Storage Tank TK-S420A Solenoid Valve Open	WS-P0013						LCP-S11	DO	
0642	0	LI-S410A	Level Indicator	Bulk Ammonia Storage Tank TK-S410A Level	WS-P0013						LCP-S11	AI	

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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			
0643	0	LI-S410B	Level Indicator	Bulk Ammonia Storage Tank TK-S410A Level	WS-P0013						LCP-S11	AI	
0644	0	PA-S410A	Pressure Alarm	Bulk Ammonia Storage Tank TK-S410A Relief Valve Operating	WS-P0013						LCP-S11	DI	
0645	0	UF-S410A	Level Fault	Bulk Ammonia Storage Tank TK-S410A Level	WS-P0013						LCP-S11	DI	
0646	0	UF-S410B	Level Fault	Bulk Ammonia Storage Tank TK-S410A Level	WS-P0013						LCP-S11	DI	
0647	0	YB-S410B	Close Command	Bulk Ammonia Storage Tank TK-S410A Vacuum/Pressure Relief Valve Close	WS-P0013						LCP-S11	DO	
0648	0	YD-S410B	Open Command	Bulk Ammonia Storage Tank TK-S410A Vacuum/Pressure Relief Valve Open	WS-P0013						LCP-S11	DO	
0649	0	YS-S410C	C/O/H Switch in Computer Position	Bulk Ammonia Storage Tank TK-S410A in Computer Mode	WS-P0013						LCP-S11	DI	
0650	0	YB-S410C	Close Command	Bulk Ammonia Storage Tank TK-S410A Outlet Flow Valve Close	WS-P0013						LCP-S11	DO	
0651	0	YD-S410C	Open Command	Bulk Ammonia Storage Tank TK-S410A Outlet Flow Valve Open	WS-P0013						LCP-S11	DO	
0652	0	ZD-S410B	Open Status	Bulk Ammonia Storage Tank TK-S410A vacuum/Pressure Relief valve Open	WS-P0013						LCP-S11	DI	
0653	0	ZB-S410B	Closed Status	Bulk Ammonia Storage Tank TK-S410A Vacuum/Pressure Relief Valve Closed	WS-P0013						LCP-S11	DI	
0654	0	ZD-S410C	Open Status	Bulk Ammonia Storage Tank TK-S410A Outlet Flow Valve Open	WS-P0013						LCP-S11	DI	
0655	0	ZB-S410C	Closed Status	Bulk Ammonia Storage Tank TK-S410A Outlet Flow Valve Closed	WS-P0013						LCP-S11	DI	
0656	0	LI-S420A	Level Indicator	Bulk Ammonia Storage Tank TK-S420A Level	WS-P0013						LCP-S11	AI	
0657	0	LI-S420B	Level Indicator	Bulk Ammonia Storage Tank TK-S420A Level	WS-P0013						LCP-S11	AI	
0658	0	PA-S420A	Pressure Alarm	Bulk Ammonia Storage Tank TK-S420A Relief Valve Operating	WS-P0013						LCP-S11	DI	
0659	0	UF-S420A	Level Fault	Bulk Ammonia Storage Tank TK-S420A Level	WS-P0013						LCP-S11	DI	
0660	0	UF-S420B	Level Fault	Bulk Ammonia Storage Tank TK-S420A Level	WS-P0013						LCP-S11	DI	
0661	0	YB-S420B	Close Command	Bulk Ammonia Storage Tank TK-S420A Vacuum/Pressure Relief Valve Close	WS-P0013						LCP-S11	DO	
0662	0	YD-S420B	Open Command	Bulk Ammonia Storage Tank TK-S420A vacuum/Pressure Relief valve Open	WS-P0013						LCP-S11	DO	
0663	0	YS-S420C	C/O/H Switch in Computer Position	Bulk Ammonia Storage Tank TK-S420A Outlet Flow Valve in Computer Mode	WS-P0013						LCP-S11	DI	
0664	0	YB-S420C	Close Command	Bulk Ammonia Storage Tank TK-S420A Outlet Flow Valve Close	WS-P0013						LCP-S11	DO	
0665	0	YD-S420C	Open Command	Bulk Ammonia Storage Tank TK-S420A Outlet Flow Valve Open	WS-P0013						LCP-S11	DO	
0666	0	ZD-S420B	Open Status	Bulk Ammonia Storage Tank TK-S420A Vacuum/Pressure Relief Valve Open	WS-P0013						LCP-S11	DI	
0667	0	ZB-S420B	Closed Status	Bulk Ammonia Storage Tank TK-S420A Vacuum/Pressure Relief Valve Closed	WS-P0013						LCP-S11	DI	
0668	0	ZD-S420C	Open Status	Bulk Ammonia Storage Tank TK-S420A Outlet Flow Valve Open	WS-P0013						LCP-S11	DI	
0669	0	ZB-S420C	Closed Status	Bulk Ammonia Storage Tank TK-S420A Outlet Flow Valve Closed	WS-P0013						LCP-S11	DI	
0670	2	AI-S450B	Gas Indicator	Bulk Ammonia Gas Indicator	WS-P0013						LCP-S11	DI	
0671	0	FI-S430A	Flow Indication	Ammonia Feed Pump P-S430A Outlet Flow Rate	WS-P0014						LCP-S11	AI	
0672	0	FQ-S430A	Flow Pulse	Ammonia Feed Pump P-S430A Outlet Flow Total	WS-P0014						LCP-S11	DI	
0673	0	MM-S430A	Running Status	Ammonia Feed Pump P-S430A Running	WS-P0014						LCP-S11	DI	
0674	0	MN-S430A	Start Command	Ammonia Feed Pump P-S430A Start	WS-P0014						LCP-S11	DO	
0675	0	SI-S430A	Speed Indication	Ammonia Feed Pump P-S430A Speed	WS-P0014						LCP-S11	AI	
0676	0	SC-S430A	Speed Control Output	Ammonia Feed Pump P-S430A Required Speed	WS-P0014						LCP-S11	AO	
0677	0	UF-S430A	No Fault	Ammonia Feed Pump P-S430A Fault	WS-P0014						LCP-S11	DI	
0678	0	YS-S430A	C/O/H Switch in Computer Position	Ammonia Feed Pump P-S430A in Computer Mode	WS-P0014						LCP-S11	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			
0679	0	FI-S440A	Flow Indication	Ammonia Feed Pump P-S440A Outlet Flow Rate	WS-P0014						LCP-S11	AI	
0680	0	FQ-S440A	Flow Pulse	Ammonia Feed Pump P-S440A Outlet Flow Total	WS-P0014						LCP-S11	DI	
0681	0	MM-S440A	Running Status	Ammonia Feed Pump P-S440A Running	WS-P0014						LCP-S11	DI	
0682	0	MN-S440A	Start Command	Ammonia Feed Pump P-S440A Start	WS-P0014						LCP-S11	DO	
0683	0	SI-S440A	Speed Indication	Ammonia Feed Pump P-S440A Speed	WS-P0014						LCP-S11	AI	
0684	0	SC-S440A	Speed Control Output	Ammonia Feed Pump P-S440A Required Speed	WS-P0014						LCP-S11	AO	
0685	0	UF-S440A	No Fault	Ammonia Feed Pump P-S440A Fault	WS-P0014						LCP-S11	DI	
0686	0	YS-S440A	C/O/H Switch in Computer Position	Ammonia Feed Pump P-S440A in Computer Mode	WS-P0014						LCP-S11	DI	
0687	0	YS-S440A	C/O/H Switch in Computer Position	Ammonia Feed Pump Outlet Control Valve in Computer Mode	WS-P0014						LCP-S11	DI	
0688	0	YB-S440A	Close Command	Ammonia Feed Pump Outlet Control Valve Close	WS-P0014						LCP-S11	DO	
0689	0	YD-S440A	Open Command	Ammonia Feed Pump Outlet Control Valve Open	WS-P0014						LCP-S11	DO	
0690	0	ZB-S440A	Closed Status	Ammonia Feed Pump Outlet Control Valve Closed	WS-P0014						LCP-S11	DI	
0691	0	ZD-S440A	Open Status	Ammonia Feed Pump Outlet Control Valve Open	WS-P0014						LCP-S11	DI	
0692	0	LA-S450A	Level Alarm	Ammonia Spill Containment High Level	WS-P0014						LCP-S11	DI	
0693	0	UF-H805A	No Fault	Hot Water Boiler BG-H805A Fault	WS-H0508						LCP-S11	DI	
0694	0	UF-H805B	No Fault	Hot Water Boiler BG-H805B Fault	WS-H0508						LCP-S11	DI	
0695	0	UF-H808A	No Fault	Glycol Recirc Pump GP-H808A Fault	WS-H0508						LCP-S11	DI	
0696	0	UF-H808B	No Fault	Glycol Recirc Pump GP-H808B Fault	WS-H0508						LCP-S11	DI	
0697	0	UF-H810A	No Fault	West Hydronic Glycol Pump GP-H810A Fault	WS-H0509						LCP-S11	DI	
0698	0	UF-H810B	No Fault	West Hydronic Glycol Pump GP-H810B Fault	WS-H0509						LCP-S11	DI	
0699	0	UF-H812A	No Fault	Hypo Building Glycol Pump GP-H812A Fault	WS-H0511						LCP-S11	DI	
0700	0	UF-H812B	No Fault	Hypo Building Glycol Pump GP-H812B Fault	WS-H0511						LCP-S11	DI	
0701	0	UF-H800A	No Fault	Make Up Air Unit MAU-H800A Fault	WS-H0513						LCP-S11	DI	
0702	0	TI-H800F	Temperature Indication	Ferric Chloride Room Temperature	WS-H0513						LCP-S11	AI	
0703	0	MN-H825A	Start Command	Emergency Exhaust Fan EF-H825C Start	WS-H0513						LCP-S11	DO	
0704	0	UF-H801A	No Fault	Make Up Air Unit MAU-H801A Fault	WS-H0514						LCP-S11	DI	
0705	0	TI-H801F	Temperature Indication	Sulphuric Acid Room Temperature	WS-H0514						LCP-S11	AI	
0706	0	MN-H824A	Start Command	Emergency Exhaust Fan EF-H824C Start	WS-H0514						LCP-S11	DO	
0707	0	UF-H802A	No Fault	Make Up Air Unit MAU-H802A Fault	WS-H0515						LCP-S11	DI	
0708	0	TI-H802F	Temperature Indication	Sodium Hydroxide Room Temperature	WS-H0515						LCP-S11	AI	
0709	0	MN-H821A	Start Command	Emergency Exhaust Fan EF-H821C Start	WS-H0515						LCP-S11	DO	
0710	0	UF-H804A	No Fault	Make Up Air Unit MAU-H804A Fault	WS-H0516						LCP-S11	DI	
0711	0	TI-H804F	Temperature Indication	Aqua Ammonia Room Temperature	WS-H0516						LCP-S11	AI	
0712	0	MN-H820A	Start Command	Emergency Exhaust Fan EF-H820C Start	WS-H0516						LCP-S11	DO	
0713	0	UF-H803A	No Fault	Air Handling Unit AHU-H803A Fault	WS-H0517						LCP-S11	DI	
0714	0	TI-H803A	Temperature Indication	Electrical Room Temperature	WS-H0517						LCP-S11	AI	
0715	0	UF-H828A	No Fault	Air Handling Unit AHU-H803A Fault	WS-H0518						LCP-S11	DI	
0716	0	TI-H828A	Temperature Indication	Electrical Room Temperature	WS-H0518						LCP-S11	AI	

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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			
0717	0	UF-H000A	No Fault	Common Trace Heating Fault	WS-H0520						LCP-S11	DI	
0718	0	UF-S701A	Water Hardness Fault	Softened Water Hardness Monitor	WS-H0502						LCP-S11	DI	
0719	0	AI-S701A	Water Hardness Indication	Softened Water Hardness Monitor	WS-H0502						LCP-S11	AI	
0720	0	WI-S702A	Weight Indicator	Amine Drum Weight	WS-H0502						LCP-S11	AI	
0721	0	LA-S703A	Level Alarm	Condensate Tank TNK-S703A Low Level	WS-H0502						LCP-S11	DI	
0722	0	MN-S707A	Start Command	Standby Boiler Feedwater Pump P-S707A Start	WS-H0503						LCP-S11	DO	
0723	0	YS-S707A	C/O/H Switch in Computer Position	Standby Boiler Feedwater Pump P-S707A in Computer Mode	WS-H0503						LCP-S11	DI	
0724	0	MM-S707A	Running Status	Standby Boiler Feedwater Pump P-S707A Running	WS-H0503						LCP-S11	DI	
0725	0	UF-S707A	No Fault	Standby Boiler Feedwater Pump P-S707A Fault	WS-H0503						LCP-S11	DI	
0726	0	MN-S706A	Start Command	Boiler Feedwater Pump P-S706A Start	WS-H0503						LCP-S11	DO	
0727	0	YS-S706A	C/O/H Switch in Computer Position	Boiler Feedwater Pump P-S706A in Computer Mode	WS-H0503						LCP-S11	DI	
0728	0	MM-S706A	Running Status	Boiler Feedwater Pump P-S706A Running	WS-H0503						LCP-S11	DI	
0729	0	UF-S706A	No Fault	Boiler Feedwater Pump P-S706A Fault	WS-H0503						LCP-S11	DI	
0730	0	YD-S708A	Open Command	Boiler Water Supply Solenoid Valve SOL-S708A Open	WS-H0503						LCP-S11	DI	
0731	0	XN-S704A	Boiler Start Command	Steam Boiler BLR-S704A Start	WS-H0503						LCP-S11	DO	
0732	0	XU-S704A	Boiler Fault	Steam Boiler BLR-S704A Fault	WS-H0503						LCP-S11	DI	
0733	0	LA-S705A	Level Alarm	Steam Boiler BLR-S704A Low Level	WS-H0503						LCP-S11	DI	
0734	0	YD-S708B	Open Command	Boiler Water Supply Solenoid Valve SOL-S708B Open	WS-H0503						LCP-S11	DI	
0735	0	LA-S705A	Level Alarm	Steam Boiler BLR-S705A Low Level	WS-H0503						LCP-S11	DI	
0736	0	XN-S705A	Boiler Start Command	Steam Boiler BLR-S705A Start	WS-H0503						LCP-S11	DO	
0737	0	XU-S705A	Boiler Fault	Steam Boiler BLR-S705A Fault	WS-H0503						LCP-S11	DI	
0738	0	PA-S709A	Pressure Alarm	Steam Heater Pressure Low	WS-H0503						LCP-S11	DI	
0739	0	MN-S816A	Start Command	Air Compressor CMP-S816A Start	WS-H0521						LCP-S11	DO	
0740	0	MM-S816A	Running Status	Air Compressor CMP-S816A Running	WS-H0521						LCP-S11	DI	
0741	0	YS-S816A	C/O/H Switch in Computer Position	Air Compressor CMP-S816A in Computer Mode	WS-H0521						LCP-S11	DI	
0742	0	UF-S816A	No Fault	Air Compressor CMP-S816A Fault	WS-H0521						LCP-S11	DI	
0743	0	MN-S815A	Start Command	Air Compressor CMP-S815A Start	WS-H0521						LCP-S11	DO	
0744	0	MM-S815A	Running Status	Air Compressor CMP-S815A Running	WS-H0521						LCP-S11	DI	
0745	0	YS-S815A	C/O/H Switch in Computer Position	Air Compressor CMP-S815A in Computer Mode	WS-H0521						LCP-S11	DI	
0746	0	UF-S815A	No Fault	Air Compressor CMP-S815A Fault	WS-H0521						LCP-S11	DI	
0747	0	UF-S350A	No Fault	Sodium Hydroxide Dosing Line Trace Heating Fault	WS-P0011						LCP-S11	DI	
0748	0	UF-S370A	No Fault	Sodium Hydroxide Dosing Line Trace Heating Fault	WS-P0011						LCP-S11	DI	
0749	0	XX-S800A	HVAC Load Shedding	Standby Power Mode load shedding signal to HVAC/ BMS	WS-H0508						LCP-S11	DO	