APPENDIX 'A' – DNP3 I/O INDEX

DNP3 PLC I/O INDEX

DESCRIPTION					LOGIC INFORMATION															DNP3		
RECORD NO.	REV. NO.	TAG NAME	FUNCTION	SERVICE	FULL SCALE			ENG. SCALE			ALARMS		CABINET	PLC CARD	I/O TYPE	I/O ADDRESS	I/O RACK	I/O SLOT	I/O POINT	TABLE	POINT ADDRESS	USAGE DESCRIPTION
					LOW	HIGH	UNIT	LOW	HIGH	UNIT	LOW (0)	HIGH (1)										
0001	0	-	PLC PROCESSOR	-							-	-	MAIN PLC	BME P58 4040	CPU	-	0	0/1	-	-	-	-
0002	0	-	ETHERNET/SERIAL RTU COMM MODULE 1	-							-	-	MAIN PLC	BMX NOR 0200H	COMM	-	0	2	-	-	-	-
0003	0	-	ETHERNET/SERIAL RTU COMM MODULE 2	-							-	-	MAIN PLC	BMX NOR 0200H	COMM	-	0	3	-	-	-	-
0004	0	ZSC-L531	DOOR CONTACT	MAIN LEVEL							OPEN	CLOSED	MAIN PLC		DI	10001	0	4	0	DISCRETE INPUT	0	PLC DI
0005	0	ZSC-L532	DOOR CONTACT	MAIN LEVEL							OPEN	CLOSED	MAIN PLC		DI	10002	0	4	1	DISCRETE INPUT	1	PLC DI
0006	0	HS-L600	STATION OCCUPIED	MAIN LEVEL							UNOCCUPIED	OCCUPIED	MAIN PLC		DI	10003	0	4	2	DISCRETE INPUT	2	PLC DI
0007	0	LSHH-L101	HIGH HIGH LEVEL	WETWELL							ALARM	NORMAL	MAIN PLC		DI	10004	0	4	3	DISCRETE INPUT	3	PLC DI
0008	0	LSH-L501	STATION FLOOD	PUMP ROOM							ALARM	NORMAL	MAIN PLC		DI	10005	0	4	4	DISCRETE INPUT	4	PLC DI
0009	0	LSH-L502	STATION FLOOD	COMMINUTOR ROOM							ALARM	NORMAL	MAIN PLC		DI	10006	0	4	5	DISCRETE INPUT	5	PLC DI
0010	0	PSL-L526	WATER LOW PRESSURE SWITCH	STATION MAIN WATER							ALARM	NORMAL	MAIN PLC		DI	10007	0	4	6	DISCRETE INPUT	6	PLC DI
0011	0	ESL-L712	600 VAC -- POWER OK	MCC							ALARM	NORMAL	MAIN PLC	DISCRETE INPUT BMX DAI 1602	DI	10008	0	4	7	DISCRETE INPUT	7	PLC DI
0012	0	ESL-L528	120 VAC -- POWER OK	MAIN PLC							ALARM	NORMAL	MAIN PLC		DI	10009	0	4	8	DISCRETE INPUT	8	PLC DI
0013	0	PS-L811	24 VDC -- POWER SUPPLY 1 OK	MAIN PLC							ALARM	NORMAL	MAIN PLC		DI	10010	0	4	9	DISCRETE INPUT	9	PLC DI
0014	0	PS-L812	24 VDC -- POWER SUPPLY 2 OK	MAIN PLC							ALARM	NORMAL	MAIN PLC		DI	10011	0	4	10	DISCRETE INPUT	10	PLC DI
0015	0	UPS-L81	24 VDC -- UPS ALARM	MAIN PLC							ALARM	NORMAL	MAIN PLC		DI	10012	0	4	11	DISCRETE INPUT	11	PLC DI
0016	0	UPS-L81	24 VDC -- UPS IN BATTERY MODE	MAIN PLC							-	BATT	MAIN PLC		DI	10013	0	4	12	DISCRETE INPUT	12	PLC DI
0017	0	UPS-L81	24 VDC -- UPS BATTERY CHARGING	MAIN PLC							-	CHARGE	MAIN PLC		DI	10014	0	4	13	DISCRETE INPUT	13	PLC DI
0018	0	XS-L711	SURGE PROTECTION DEVICE ALARM	MCC-L71							ALARM	NORMAL	MAIN PLC		DI	10015	0	4	14	DISCRETE INPUT	14	PLC DI
0019	0	LSH-L100	HIGH LEVEL	WETWELL							ALARM	NORMAL	MAIN PLC		DI	10016	0	4	15	DISCRETE INPUT	15	PLC DI
0020	0	HS-L81-4	ALARM TEST SELECTOR SWITCH	CONTROL PANEL CP-L81							NORMAL	TEST	MAIN PLC		DI	10017	0	5	0	DISCRETE INPUT	16	PLC DI
0021	0	CP-L81.CR06	PLC MODE STATUS	CONTROL PANEL CP-L81							LOCAL MODE	PLC MODE	MAIN PLC		DI	10018	0	5	1	DISCRETE INPUT	17	PLC DI
0022	0	YLR-L660	SUPPLY FAN RUNNING	SUPPLY FAN SF-L66							STOPPED	RUNNING	MAIN PLC		DI	10019	0	5	2	DISCRETE INPUT	18	PLC DI
0023	0	IA-L660	OVERLOAD TRIPPED	SUPPLY FAN SF-L66							NORMAL	FAULT	MAIN PLC		DI	10020	0	5	3	DISCRETE INPUT	19	PLC DI
0024	0	YLR-L670	SUPPLY FAN RUNNING	SUPPLY FAN SF-L67							STOPPED	RUNNING	MAIN PLC		DI	10021	0	5	4	DISCRETE INPUT	20	PLC DI
0025	0	IA-L670	OVERLOAD TRIPPED	SUPPLY FAN SF-L67							NORMAL	FAULT	MAIN PLC		DI	10022	0	5	5	DISCRETE INPUT	21	PLC DI
0026	0	PDSH-L660	FILTED PLUGGED SWITCH	MAIN FLOOR SUPPLY FAN							PLUGGED	NORMAL	MAIN PLC		DI	10023	0	5	6	DISCRETE INPUT	22	PLC DI
0027	0	FA-L201	FLOW ALARM	FORCEMAIN FLOWMETER FIT-L201							NORMAL	ALARM	MAIN PLC	DISCRETE INPUT BMX DAI 1602	DI	10024	0	5	7	DISCRETE INPUT	23	PLC DI
0028	0	FQ-L201	FLOW METER TOTALIZER	FORCEMAIN FLOWMETER FIT-L201							-	PULSE	MAIN PLC		DI	10025	0	5	8	-	-	-
0029	0	RIV-S-651-QF	OCM PRO METER FAULT	CSO							-	-	MAIN PLC		DI	10026	0	5	9	DISCRETE INPUT	24	PLC DI
0030	0	FAL-L662	AIR FLOW SWITCH ALARM	SUPPLY FAN SF-L66							ALARM	NORMAL	MAIN PLC		DI	10027	0	5	10	DISCRETE INPUT	25	PLC DI
0031	0	FAL-L672	AIR FLOW SWITCH ALARM	SUPPLY FAN SF-L67							ALARM	NORMAL	MAIN PLC		DI	10028	0	5	11	DISCRETE INPUT	26	PLC DI
0032	0		SPARE										MAIN PLC		DI	10029	0	5	12	DISCRETE INPUT	27	PLC DI
0033	0		SPARE										MAIN PLC		DI	10030	0	5	13	DISCRETE INPUT	28	PLC DI
0034	0	HS-L81-1	LOCAL LEVEL CONTROL SELECTOR	CONTROL PANEL CP-L81							L100-1	L100-2	MAIN PLC		DI	10031	0	5	14	DISCRETE INPUT	29	PLC DI
0035	0	HS-L81-5	PLC RESET	CONTROL PANEL CP-L81							-	RESET	MAIN PLC		DI	10032	0	5	15	DISCRETE INPUT	30	PLC DI
0036	0	HS-L010-2A	AUTO MODE	PUMP P-L01							NOT AUTO	AUTO	MAIN PLC		DI	10033	0	6	0	DISCRETE INPUT	31	PLC DI
0037	0	HS-L010-2M	MANUAL MODE	PUMP P-L01							NOT MANUAL	MANUAL	MAIN PLC		DI	10034	0	6	1	DISCRETE INPUT	32	PLC DI
0038	0		SPARE										MAIN PLC		DI	10035	0	6	2	DISCRETE INPUT	33	PLC DI
0039	0	HS-L010-1	ACROSS THE LINE MODE	PUMP P-L01							NOT BYPASS	BYPASS	MAIN PLC		DI	10036	0	6	3	DISCRETE INPUT	34	PLC DI
0040	0	YC-L010-1	PUMP READY	PUMP P-L01							NOT READY	READY	MAIN PLC		DI	10037	0	6	4	DISCRETE INPUT	35	PLC DI
0041	0	YR-L010-1	RUNNING FORWARD	PUMP P-L01							NOT RUNNING	FWD RUNNING	MAIN PLC		DI	10038	0	6	5	DISCRETE INPUT	36	PLC DI
0042	0	YR-L010-2	RUNNING REVERSE	PUMP P-L01							NOT RUNNING	REV RUNNING	MAIN PLC		DI	10039	0	6	6	DISCRETE INPUT	37	PLC DI
0043	0	YAF-L010-1	VFD FAULT	PUMP P-L01							NORMAL	FAULT	MAIN PLC	DISCRETE INPUT BMX DAI 1602	DI	10040	0	6	7	DISCRETE INPUT	38	PLC DI
0044	0	FSL-L011	SEAL WATER FLOW SWITCH	PUMP P-L01							OFF	ON	MAIN PLC		DI	10041	0	6	8	DISCRETE INPUT	39	PLC DI
0045	0		SPARE										MAIN PLC		DI	10042	0	6	9	DISCRETE INPUT	40	PLC DI
0046	0	YAF-L010-2	ACROSS THE LINE OVERLOAD FAULT	PUMP P-L01							NORMAL	FAULT	MAIN PLC		DI	10043	0	6	10	DISCRETE INPUT	41	PLC DI
0047	0		SPARE										MAIN PLC		DI	10044	0	6	11	DISCRETE INPUT	42	PLC DI
0048	0		SPARE										MAIN PLC		DI	10045	0	6	12	DISCRETE INPUT	43	PLC DI
0049	0		SPARE										MAIN PLC		DI	10046	0	6	13	DISCRETE INPUT	44	PLC DI
0050	0		SPARE										MAIN PLC		DI	10047	0	6	14	DISCRETE INPUT	45	PLC DI
0051	0		SPARE										MAIN PLC		DI	10048	0	6	15	DISCRETE INPUT	46	PLC DI
0052	0	HS-L020-2A	AUTO MODE	PUMP P-L02							NOT AUTO	AUTO	MAIN PLC		DI	10049	0	7	0	DISCRETE INPUT	47	PLC DI
0053	0	HS-L020-2M	MANUAL MODE	PUMP P-L02							NOT MANUAL	MANUAL	MAIN PLC		DI	10050	0	7	1	DISCRETE INPUT	48	PLC DI
0054	0		SPARE										MAIN PLC		DI	10051	0	7	2	DISCRETE INPUT	49	PLC DI
0055	0	HS-L020-1	ACROSS THE LINE MODE	PUMP P-L02							NOT BYPASS	BYPASS	MAIN PLC		DI	10052	0	7	3	DISCRETE INPUT	50	PLC DI
0056	0	YC-L020-1	PUMP READY	PUMP P-L02							NOT READY	READY	MAIN PLC		DI	10053	0	7	4	DISCRETE INPUT	51	PLC DI
0057	0	YR-L020-1	RUNNING FORWARD	PUMP P-L02							NOT RUNNING	FWD RUNNING	MAIN PLC		DI	10054	0	7	5	DISCRETE INPUT	52	PLC DI
0058	0	YR-L020-2	RUNNING REVERSE	PUMP P-L02							NOT RUNNING	REV RUNNING	MAIN PLC		DI	10055	0	7	6	DISCRETE INPUT	53	PLC DI
0059	0	YAF-L020-1	VFD FAULT	PUMP P-L02							NORMAL	FAULT	MAIN PLC	DISCRETE INPUT BMX DAI 1602	DI	10056	0	7	7	DISCRETE INPUT	54	PLC DI
0060	0	FSL-L021	SEAL WATER FLOW SWITCH	PUMP P-L02							OFF	ON	MAIN PLC		DI	10057	0	7	8	DISCRETE INPUT	55	PLC DI
0061	0		SPARE										MAIN PLC		DI	10058	0	7	9	DISCRETE INPUT	56	PLC DI
0062	0	YAF-L020-2	ACROSS THE LINE OVERLOAD FAULT	PUMP P-L02							NORMAL	FAULT	MAIN PLC		DI	10059	0	7	10	DISCRETE INPUT	57	PLC DI
0063	0		SPARE										MAIN PLC		DI	10060	0	7	11	DISCRETE INPUT	58	PLC DI
0064	0		SPARE										MAIN PLC		DI	10061	0	7	12	DISCRETE INPUT	59	PLC DI
0065	0		SPARE										MAIN PLC		DI	10062	0	7	13	DISCRETE INPUT	60	PLC DI
0066	0		SPARE										MAIN PLC		DI	10063	0	7	14	DISCRETE INPUT	61	PLC DI
0067	0		SPARE										MAIN PLC		DI	10064	0	7	15	DISCRETE INPUT	62	PLC DI
0068	0		SPARE SLOT										MAIN PLC	BMX XEM 010	-	-	0	8	-	-	-	-

DNP3 PLC I/O INDEX

DESCRIPTION					LOGIC INFORMATION															DNP3		
RECORD NO.	REV. NO.	TAG NAME	FUNCTION	SERVICE	FULL SCALE			ENG. SCALE			ALARMS		CABINET	PLC CARD	I/O TYPE	I/O ADDRESS	I/O RACK	I/O SLOT	I/O POINT	TABLE	POINT ADDRESS	USAGE DESCRIPTION
					LOW	HIGH	UNIT	LOW	HIGH	UNIT	LOW (0)	HIGH (1)										
0069	0		SPARE SLOT										MAIN PLC	BMX XEM 010	-	-	0	9	-	-	-	-
0070	0	YCR-L010-1	START FORWARD	PUMP P-L01							STOP CMD	RUN FWD CMD	MAIN PLC		DO	00001	0	10	0	DISCRETE INPUT	63	PLC DI
0071	0	YCR-L010-2	START REVERSE	PUMP P-L01							STOP CMD	RUN REV CMD	MAIN PLC		DO	00002	0	10	1	DISCRETE INPUT	64	PLC DI
0072	0		SPARE										MAIN PLC		DO	00003	0	10	2	DISCRETE INPUT	65	PLC DI
0073	0		SPARE										MAIN PLC		DO	00004	0	10	3	DISCRETE INPUT	66	PLC DI
0074	0		SPARE										MAIN PLC		DO	00005	0	10	4	DISCRETE INPUT	67	PLC DI
0075	0	YCR-L020-1	START FORWARD	PUMP P-L02							STOP CMD	RUN FWD CMD	MAIN PLC		DO	00006	0	10	5	DISCRETE INPUT	68	PLC DI
0076	0	YCR-L020-2	START REVERSE	PUMP P-L02							STOP CMD	RUN REV CMD	MAIN PLC		DO	00007	0	10	6	DISCRETE INPUT	69	PLC DI
0077	0		SPARE										MAIN PLC	DISCRETE OUTPUT BMX DDO 1602	DO	00008	0	10	7	DISCRETE INPUT	70	PLC DI
0078	0		SPARE										MAIN PLC		DO	00009	0	10	8	DISCRETE INPUT	71	PLC DI
0079	0		SPARE										MAIN PLC		DO	00010	0	10	9	DISCRETE INPUT	72	PLC DI
0080	0		SPARE										MAIN PLC		DO	00011	0	10	10	DISCRETE INPUT	73	PLC DI
0081	0	YC-L810	PLC MODE OKAY	PUMP CONTROL							-	PLC OK	MAIN PLC		DO	00012	0	10	11	DISCRETE INPUT	74	PLC DI
0082	0		SPARE										MAIN PLC		DO	00013	0	10	12	DISCRETE INPUT	75	PLC DI
0083	0		SPARE										MAIN PLC		DO	00014	0	10	13	DISCRETE INPUT	76	PLC DI
0084	0		SPARE										MAIN PLC		DO	00015	0	10	14	DISCRETE INPUT	77	PLC DI
0085	0		SPARE										MAIN PLC		DO	00016	0	10	15	DISCRETE INPUT	78	PLC DI
0086	0		SPARE SLOT										MAIN PLC	BMX XEM 010	-	-	0	11	-	-	-	-
0087	0	TIT-L607	MAIN LEVEL TEMPERATURE	MAIN LEVEL	4	20	mA	-10	50	°C	0	40	MAIN PLC		AI	30001	1	0	0	ANALOG INPUT	0	PLC AI
0088	0	TIT-L608	PUMP ROOM TEMPRATURE	PUMP ROOM	4	20	mA	-10	50	°C	0	40	MAIN PLC		AI	30002	1	0	1	ANALOG INPUT	1	PLC AI
0089	0	FI-L201	FLOW METER RATE	FORCEMAIN FLOWMETER FIT-L201	4	20	mA	0	300	L/s	-	250	MAIN PLC		AI	30003	1	0	2	ANALOG INPUT	2	PLC AI
0090	0	FV-L601.Z	DAMPER POSITION	SUPPLY AIR DAMPER FV-L601	0	10	V	0	100	%	OPEN	CLOSED	MAIN PLC	ANALOG INPUT BMX AMI 0810	AI	30004	1	0	3	ANALOG INPUT	3	PLC AI
0091	0	FV-L602.Z	DAMPER POSITION	RETURN AIR DAMPER FV-L602	0	10	V	0	100	%	CLOSED	OPEN	MAIN PLC		AI	30005	1	0	4	ANALOG INPUT	4	PLC AI
0092	0	FV-L603.Z	DAMPER POSITION	EXHAUST AIR DAMPER FV-L603	0	10	V	0	100	%	OPEN	CLOSED	MAIN PLC		AI	30006	1	0	5	ANALOG INPUT	5	PLC AI
0093	0	FV-L604.Z	DAMPER POSITION	SUPPLY AIR DAMPER FV-L604	0	10	V	0	100	%	OPEN	CLOSED	MAIN PLC		AI	30007	1	0	6	ANALOG INPUT	6	PLC AI
0094	0	FV-L605.Z	DAMPER POSITION	RETURN AIR DAMPER FV-L605	0	10	V	0	100	%	CLOSED	OPEN	MAIN PLC		AI	30008	1	0	7	ANALOG INPUT	7	PLC AI
0095	0	RIV-S-661-LT	HYDROSTATIC LEVEL TRANSMITTER	CSO	4	20	mA	-	-	-	-	-	MAIN PLC		AI	30009	1	1	0	ANALOG INPUT	8	PLC AI
0096	0	RIV-S-951-LT	RADAR LEVEL TRANSMITTER	CSO	4	20	mA	-	-	-	-	-	MAIN PLC		AI	30010	1	1	1	ANALOG INPUT	9	PLC AI
0097	0	RIV-S-851-ZT	INCLINATION TRANSMITTER	CSO	4	20	mA	-	-	-	-	-	MAIN PLC		AI	30011	1	1	2	ANALOG INPUT	10	PLC AI
0098	0	RIV-S-651-VT	OCM PRO METER VELOCITY	CSO	4	20	mA	-	-	-	-	-	MAIN PLC	ANALOG INPUT BMX AMI 0810	AI	30012	1	1	3	ANALOG INPUT	11	PLC AI
0099	0	RIV-S-651-FT	OCM PRO METER FLOW	CSO	4	20	mA	-	-	-	-	-	MAIN PLC		AI	30013	1	1	4	ANALOG INPUT	12	PLC AI
0100	0	RIV-S-651-LT	OCM PRO METER LEVEL	CSO	4	20	mA	-	-	-	-	-	MAIN PLC		AI	30014	1	1	5	ANALOG INPUT	13	PLC AI
0101	0		SPARE										MAIN PLC		AI	30015	1	1	6	ANALOG INPUT	14	PLC AI
0102	0		SPARE										MAIN PLC		AI	30016	1	1	7	ANALOG INPUT	15	PLC AI
0103	0	VFD-L01.S	VFD-L01 SPEED FEEDBACK	PUMP P-L01	4	20	mA	0	100	%	-	65	MAIN PLC		AI	30017	1	2	0	ANALOG INPUT	16	PLC AI
0104	0	IT-L010	P-L01 CURRENT	PUMP P-L01	4	20	mA	0	25	A	-	8	MAIN PLC		AI	30018	1	2	1	ANALOG INPUT	17	PLC AI
0105	0	LIT-L100-1	SIGHT GLASS PRESSURE TRANSMITTER 1	WETWELL	4	20	mA	0	2000	mm	919	1529	MAIN PLC		AI	30019	1	2	2	ANALOG INPUT	18	PLC AI
0106	0		SPARE										MAIN PLC	ANALOG INPUT BMX AMI 0810	AI	30020	1	2	3	ANALOG INPUT	19	PLC AI
0107	0		SPARE										MAIN PLC		AI	30021	1	2	4	ANALOG INPUT	20	PLC AI
0108	0		SPARE										MAIN PLC		AI	30022	1	2	5	ANALOG INPUT	21	PLC AI
0109	0		SPARE										MAIN PLC		AI	30023	1	2	6	ANALOG INPUT	22	PLC AI
0110	0		SPARE										MAIN PLC		AI	30024	1	2	7	ANALOG INPUT	23	PLC AI
0111	0	TE-L010-1	MOTOR 1 WINDING RTD 1	PUMP P-L01 (M-L01)	-2000	8500	Pt100	0	260	°C	0	100	MAIN PLC		AI (RTD)	30025	1	3	0	ANALOG INPUT	24	PLC AI
0112	0	TE-L010-2	MOTOR 1 WINDING RTD 2	PUMP P-L01 (M-L01)	-2000	8500	Pt100	0	260	°C	0	100	MAIN PLC		AI (RTD)	30026	1	3	1	ANALOG INPUT	25	PLC AI
0113	0	TE-L010-3	MOTOR 1 WINDING RTD 3	PUMP P-L01 (M-L01)	-2000	8500	Pt100	0	260	°C	0	100	MAIN PLC		AI (RTD)	30027	1	3	2	ANALOG INPUT	26	PLC AI
0114	0	TE-L010-4	MOTOR 1 WINDING RTD 4	PUMP P-L01 (M-L01)	-2000	8500	Pt100	0	260	°C	0	100	MAIN PLC	RTD INPUT BMX ART 0814	AI (RTD)	30028	1	3	3	ANALOG INPUT	27	PLC AI
0115	0	TE-L010-5	MOTOR 1 WINDING RTD 5	PUMP P-L01 (M-L01)	-2000	8500	Pt100	0	260	°C	0	100	MAIN PLC		AI (RTD)	30029	1	3	4	ANALOG INPUT	28	PLC AI
0116	0	TE-L010-6	MOTOR 1 WINDING RTD 6	PUMP P-L01 (M-L01)	-2000	8500	Pt100	0	260	°C	0	100	MAIN PLC		AI (RTD)	30030	1	3	5	ANALOG INPUT	29	PLC AI
0117	0	TE-L010-7	PUMP 1 DRIVE-END BEARING RTD	PUMP P-L01	-2000	8500	Pt100	0	260	°C	0	100	MAIN PLC		AI (RTD)	30031	1	3	6	ANALOG INPUT	30	PLC AI
0118	0	TE-L010-8	PUMP 1 NON-DRIVE-END BEARING RTD	PUMP P-L01	-2000	8500	Pt100	0	260	°C	0	100	MAIN PLC		AI (RTD)	30032	1	3	7	ANALOG INPUT	31	PLC AI
0119	0	VT-L010-1	PUMP 1 DE BEARING VIBRATION SENSOR X	PUMP P-L01	4	20	mA	0	50	mm/s	-	20	MAIN PLC		AI	30033	1	4	0	ANALOG INPUT	32	PLC AI
0120	0	VT-L010-2	PUMP 1 DE BEARING VIBRATION SENSOR Y	PUMP P-L01	4	20	mA	0	50	mm/s	-	20	MAIN PLC		AI	30034	1	4	1	ANALOG INPUT	33	PLC AI
0121	0	VT-L010-3	MOTOR 1 DE BEARING VIB SENSOR X	PUMP P-L01 (M-L01)	4	20	mA	0	50	mm/s	-	20	MAIN PLC		AI	30035	1	4	2	ANALOG INPUT	34	PLC AI
0122	0	VT-L010-4	MOTOR 1 DE BEARING VIB SENSOR Y	PUMP P-L01 (M-L01)	4	20	mA	0	50	mm/s	-	20	MAIN PLC	ANALOG INPUT BMX AMI 0810	AI	30036	1	4	3	ANALOG INPUT	35	PLC AI
0123	0	VT-L010-5	MOTOR 1 ODE BEARING VIB SENSOR X	PUMP P-L01 (M-L01)	4	20	mA	0	50	mm/s	-	20	MAIN PLC		AI	30037	1	4	4	ANALOG INPUT	36	PLC AI
0124	0	VT-L010-6	MOTOR 1 ODE BEARING VIB SENSOR Y	PUMP P-L01 (M-L01)	4	20	mA	0	50	mm/s	-	20	MAIN PLC		AI	30038	1	4	5	ANALOG INPUT	37	PLC AI
0125	0		SPARE										MAIN PLC		AI	30039	1	4	6	ANALOG INPUT	38	PLC AI
0126	0		SPARE										MAIN PLC		AI	30040	1	4	7	ANALOG INPUT	39	PLC AI
0127		VFD-L02.S	VFD-L02 SPEED FEEDBACK	PUMP P-L02	4	20	mA	0	100	%	-	65	MAIN PLC		AI	30041	1	5	0	ANALOG INPUT	40	PLC AI
0128		IT-L020	P-L02 CURRENT	PUMP P-L02	4	20	mA	0	25	A	-	8	MAIN PLC		AI	30042	1	5	1	ANALOG INPUT	41	PLC AI
0129		LIT-L100-2	SIGHT GLASS PRESSURE TRANSMITTER 2	WETWELL	4	20	mA	0	2000	mm	360	1379	MAIN PLC		AI	30043	1	5	2	ANALOG INPUT	42	PLC AI
0130			SPARE										MAIN PLC	ANALOG INPUT BMX AMI 0810	AI	30044	1	5	3	ANALOG INPUT	43	PLC AI
0131			SPARE										MAIN PLC		AI	30045	1	5	4	ANALOG INPUT	44	PLC AI
0132			SPARE										MAIN PLC		AI	30046	1	5	5	ANALOG INPUT	45	PLC AI
0133			SPARE										MAIN PLC		AI	30047	1	5	6	ANALOG INPUT	46	PLC AI
0134			SPARE										MAIN PLC		AI	30048	1	5	7	ANALOG INPUT	47	PLC AI
0135	0	TE-L020-1	MOTOR 2 WINDING RTD 1	PUMP P-L02 (M-L02)	-2000	8500	Pt100	0	260	°C	0	100	MAIN PLC		AI (RTD)	30049	1	6	0	ANALOG INPUT	48	PLC AI
0136	0	TE-L020-2	MOTOR 2 WINDING RTD 2	PUMP P-L02 (M-L02)	-2000	8500	Pt100	0	260	°C	0	100	MAIN PLC		AI (RTD)	30050	1	6	1	ANALOG INPUT	49	PLC AI

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DESCRIPTION					LOGIC INFORMATION															DNP3		
RECORD NO.	REV. NO.	TAG NAME	FUNCTION	SERVICE	FULL SCALE			ENG. SCALE			ALARMS		CABINET	PLC CARD	I/O TYPE	I/O ADDRESS	I/O RACK	I/O SLOT	I/O POINT	TABLE	POINT ADDRESS	USAGE DESCRIPTION
					LOW	HIGH	UNIT	LOW	HIGH	UNIT	LOW (0)	HIGH (1)										
0137	0	TE-L020-3	MOTOR 2 WINDING RTD 3	PUMP P-L02 (M-L02)	-2000	8500	Pt100	0	260	°C	0	100	MAIN PLC		AI (RTD)	30051	1	6	2	ANALOG INPUT	50	PLC AI
0138	0	TE-L020-4	MOTOR 2 WINDING RTD 4	PUMP P-L02 (M-L02)	-2000	8500	Pt100	0	260	°C	0	100	MAIN PLC	RTD INPUT	AI (RTD)	30052	1	6	3	ANALOG INPUT	51	PLC AI
0139	0	TE-L020-5	MOTOR 2 WINDING RTD 5	PUMP P-L02 (M-L02)	-2000	8500	Pt100	0	260	°C	0	100	MAIN PLC	BMX ART 0814	AI (RTD)	30053	1	6	4	ANALOG INPUT	52	PLC AI
0140	0	TE-L020-6	MOTOR 2 WINDING RTD 6	PUMP P-L02 (M-L02)	-2000	8500	Pt100	0	260	°C	0	100	MAIN PLC		AI (RTD)	30054	1	6	5	ANALOG INPUT	53	PLC AI
0141	0	TE-L020-7	PUMP 2 DRIVE-END BEARING RTD	PUMP P-L02	-2000	8500	Pt100	0	260	°C	0	100	MAIN PLC		AI (RTD)	30055	1	6	6	ANALOG INPUT	54	PLC AI
0142	0	TE-L020-8	PUMP 2 NON-DRIVE-END BEARING RTD	PUMP P-L02	-2000	8500	Pt100	0	260	°C	0	100	MAIN PLC		AI (RTD)	30056	1	6	7	ANALOG INPUT	55	PLC AI
0143	0	VT-L020-1	PUMP 2 DE BEARING VIBRATION SENSOR X	PUMP P-L02	4	20	mA	0	50	mm/s	-	20	MAIN PLC		AI	30057	1	7	0	ANALOG INPUT	56	PLC AI
0144	0	VT-L020-2	PUMP 2 DE BEARING VIBRATION SENSOR Y	PUMP P-L02	4	20	mA	0	50	mm/s	-	20	MAIN PLC		AI	30058	1	7	1	ANALOG INPUT	57	PLC AI
0145	0	VT-L020-3	MOTOR 2 DE BEARING VIB SENSOR X	PUMP P-L02 (M-L02)	4	20	mA	0	50	mm/s	-	20	MAIN PLC		AI	30059	1	7	2	ANALOG INPUT	58	PLC AI
0146	0	VT-L020-4	MOTOR 2 DE BEARING VIB SENSOR Y	PUMP P-L02 (M-L02)	4	20	mA	0	50	mm/s	-	20	MAIN PLC	ANALOG INPUT	AI	30060	1	7	3	ANALOG INPUT	59	PLC AI
0147	0	VT-L020-5	MOTOR 2 ODE BEARING VIB SENSOR X	PUMP P-L02 (M-L02)	4	20	mA	0	50	mm/s	-	20	MAIN PLC	BMX AMI 0810	AI	30061	1	7	4	ANALOG INPUT	60	PLC AI
0148	0	VT-L020-6	MOTOR 2 ODE BEARING VIB SENSOR Y	PUMP P-L02 (M-L02)	4	20	mA	0	50	mm/s	-	20	MAIN PLC		AI	30062	1	7	5	ANALOG INPUT	61	PLC AI
0149	0		SPARE										MAIN PLC		AI	30063	1	7	6	ANALOG INPUT	62	PLC AI
0150	0		SPARE										MAIN PLC		AI	30064	1	7	7	ANALOG INPUT	63	PLC AI
0151	0		SPARE SLOT										MAIN PLC	BMX XEM 010	-	-	1	8	-	-	-	-
0152	0		SPARE SLOT										MAIN PLC	BMX XEM 010	-	-	1	9	-	-	-	-
0153	0	VFD-L01.CmdS	SPEED COMMAND	PUMP P-L01	4	20	mA	0	100	%	-	-	MAIN PLC		AO	40001	1	10	0	ANALOG OUTPUT	0	PLC AO
0154	0		SPARE										MAIN PLC	ANALOG OUTPUT	AO	40002	1	10	1	ANALOG OUTPUT	1	PLC AO
0155	0	VFD-L02.CmdS	SPEED COMMAND	PUMP P-L02	4	20	mA	0	100	%	-	-	MAIN PLC	BMX AMO 0410	AO	40003	1	10	2	ANALOG OUTPUT	2	PLC AO
0156	0	RIV-S-661-LT	DIGITAL INDICATOR	CSO	4	20	mA	-	-	-	-	-	MAIN PLC		AO	40004	1	10	3	ANALOG OUTPUT	3	PLC AO
0157	0		SPARE SLOT										MAIN PLC	BMX XEM 010	-	-	1	11	-	-	-	-
INTERNAL SIGNALS																						
0157	0	YA-L010-1	INTERNAL ALARM - FAILED TO START	PUMP P-L01							NORMAL	ALARM	INTERNAL		DO	01000				DISCRETE INPUT	79	PLC -> SCADA
0158	0	YA-L010-2	INTERNAL ALARM - FAILED TO STOP	PUMP P-L01							NORMAL	ALARM	INTERNAL		DO	01001				DISCRETE INPUT	80	PLC -> SCADA
0159	0	YA-L010-3	INTERNAL ALARM - NOT AVAILABLE	PUMP P-L01							NORMAL	ALARM	INTERNAL		DO	01002				DISCRETE INPUT	81	PLC -> SCADA
0160	0	YA-L020-1	INTERNAL ALARM - FAILED TO START	PUMP P-L02							NORMAL	ALARM	INTERNAL		DO	01003				DISCRETE INPUT	82	PLC -> SCADA
0161	0	YA-L020-2	INTERNAL ALARM - FAILED TO STOP	PUMP P-L02							NORMAL	ALARM	INTERNAL		DO	01004				DISCRETE INPUT	83	PLC -> SCADA
0162	0	YA-L020-3	INTERNAL ALARM - NOT AVAILABLE	PUMP P-L02							NORMAL	ALARM	INTERNAL		DO	01005				DISCRETE INPUT	84	PLC -> SCADA
0163	0	YA-L810-1	INTERNAL ALARM - ONLY ONE PUMP IN AUTO	PUMPS P-L01/P-L02							NORMAL	ALARM	INTERNAL		DO	01006				DISCRETE INPUT	85	PLC -> SCADA
0164	0	YA-L810-2	INTERNAL ALARM - NO PUMPS IN AUTO	PUMPS P-L01/P-L02							NORMAL	ALARM	INTERNAL		DO	01007				DISCRETE INPUT	86	PLC -> SCADA
0165	0	YA-L100-1	INTERNAL ALARM - LEVEL VARIANCE	WETWELL							NORMAL	ALARM	INTERNAL		DO	01008				DISCRETE INPUT	87	PLC -> SCADA
0166	0	YA-L201-1	INTERNAL ALARM - LOW FLOW w/ 1 PUMP RUNNING	FORCEMAIN FLOWMETER FIT-L201							NORMAL	ALARM	INTERNAL		DO	01009				DISCRETE INPUT	88	PLC -> SCADA
0167	0	YA-L201-2	INTERNAL ALARM - LOW FLOW w/ 2 PUMPS RUNNING	FORCEMAIN FLOWMETER FIT-L201							NORMAL	ALARM	INTERNAL		DO	01010				DISCRETE INPUT	89	PLC -> SCADA
0168	0	YA-L011	INTERNAL ALARM - SEAL WATER FLOW SWITCH P-L01	P-L01/FSL-L011							NORMAL	ALARM	INTERNAL		DO	01011				DISCRETE INPUT	90	PLC -> SCADA
0169	0	YA-L021	INTERNAL ALARM - SEAL WATER FLOW SWITCH P-L02	P-L02/FSL-L021							NORMAL	ALARM	INTERNAL		DO	01012				DISCRETE INPUT	91	PLC -> SCADA
0170	0	PLC-L81.Rst	RESET STATUS	ALARM RESET							-	RESET	INTERNAL		DO	01013				DISCRETE INPUT	92	PLC -> SCADA
0171	0	VFD-L01.InS	IN SERVICE STATUS	PUMP P-L01							NOT	ACTIVE	INTERNAL		DO	01014				DISCRETE INPUT	93	PLC -> SCADA
0172	0	VFD-L01.B	BACKFLUSH IN PROGRESS	PUMP P-L01							NOT	ACTIVE	INTERNAL		DO	01015				DISCRETE INPUT	94	PLC -> SCADA
0173	0	VFD-L01.RemAuto	PLC AUTO/MANUAL MODE	PUMP P-L01							MANUAL	AUTO	INTERNAL		DO	01016				DISCRETE INPUT	95	PLC -> SCADA
0174	0	VFD-L02.InS	IN SERVICE STATUS	PUMP P-L02							NOT	ACTIVE	INTERNAL		DO	01017				DISCRETE INPUT	96	PLC -> SCADA
0175	0	VFD-L02.B	BACKFLUSH IN PROGRESS	PUMP P-L02							NOT	ACTIVE	INTERNAL		DO	01018				DISCRETE INPUT	97	PLC -> SCADA
0176	0	VFD-L02.RemAuto	PLC AUTO/MANUAL MODE	PUMP P-L02							MANUAL	AUTO	INTERNAL		DO	01019				DISCRETE INPUT	98	PLC -> SCADA
0177	0	LIT-L100-1.Enb	LIT-100-1 SELECTED	LEVEL CONTROL							NOT	ACTIVE	INTERNAL		DO	01020				DISCRETE INPUT	99	PLC -> SCADA
0178	0	LIT-L100-2.Enb	LIT-100-2 SELECTED	LEVEL CONTROL							NOT	ACTIVE	INTERNAL		DO	01021				DISCRETE INPUT	100	PLC -> SCADA
0179	0	LIT-L100-3.Enb	LIT AVERAGE SELECTED	LEVEL CONTROL							NOT	ACTIVE	INTERNAL		DO	01022				DISCRETE INPUT	101	PLC -> SCADA
0180	0	YC-L811	ALTERNATING/NON-ALTERNATING PUMP MODE STATUS	PUMP P-L01 / PUMP P-L02							FIXED	ALTERNATING	INTERNAL		DO	01023				DISCRETE INPUT	102	PLC -> SCADA
0181	0	-	ECHO - RESET	ALARM RESET									INTERNAL		DO	01024				DISCRETE INPUT	103	PLC -> SCADA
0182	0	-	ECHO - INITIATE BACKFLUSH COMMAND	PUMP P-L01									INTERNAL		DO	01025				DISCRETE INPUT	104	PLC -> SCADA
0183	0	-	ECHO - INITIATE BACKFLUSH COMMAND	PUMP P-L02									INTERNAL		DO	01026				DISCRETE INPUT	105	PLC -> SCADA
0184	0	-	ECHO - SELECT LIT-L100-1 COMMAND	LEVEL CONTROL									INTERNAL		DO	01027				DISCRETE INPUT	106	PLC -> SCADA
0185	0	-	ECHO - SELECT LIT-L100-2 COMMAND	LEVEL CONTROL									INTERNAL		DO	01028				DISCRETE INPUT	107	PLC -> SCADA
0186	0	-	ECHO - SELECT AVERAGE COMMAND	LEVEL CONTROL									INTERNAL		DO	01029				DISCRETE INPUT	108	PLC -> SCADA
0187	0	-	ECHO - SELECT ALTERNATING/NON-ALTERNATING PUMP MODE	PUMP P-L01 / PUMP P-L02									INTERNAL		DO	01030				DISCRETE INPUT	109	PLC -> SCADA
188	0	PLC-L81.CmdRst	RESET ON	ALARM RESET							NO RESET	RESET	INTERNAL		DO	01031				DISCRETE OUTPUT	0	SCADA -> PLC
0189	0	VFD-L01.CmdB	INITIATE BACKFLUSH COMMAND	PUMP P-L01							n/a	START	INTERNAL		DO	01032				DISCRETE OUTPUT	1	SCADA -> PLC
0190	0	VFD-L02.CmdB	INITIATE BACKFLUSH COMMAND	PUMP P-L02							n/a	START	INTERNAL		DO	01033				DISCRETE OUTPUT	2	SCADA -> PLC
0191	0	1.CmdEnb	SELECT LIT-L100-1 COMMAND	LEVEL CONTROL							n/a	SELECT	INTERNAL		DO	01034				DISCRETE OUTPUT	3	SCADA -> PLC
0192	0	2.CmdEnb	SELECT LIT-L100-2 COMMAND	LEVEL CONTROL							n/a	SELECT	INTERNAL		DO	01035				DISCRETE OUTPUT	4	SCADA -> PLC
0193	0	3.CmdEnb	SELECT AVERAGE COMMAND	LEVEL CONTROL							n/a	SELECT	INTERNAL		DO	01036				DISCRETE OUTPUT	5	SCADA -> PLC
0194	0	YC-L811.Cmd	SELECT ALTERNATING/NON-ALTERNATING PUMP MODE	PUMP P-L01 / PUMP P-L02							n/a	CHANGE	INTERNAL		DO	01037				DISCRETE OUTPUT	6	SCADA -> PLC
0195	0	VFD-L01.State	LEAD/LAG STATE	PUMP P-L01	INT	0	1				LAG	LEAD	INTERNAL		AI	31000				ANALOG INPUT	64	PLC -> SCADA
0196	0	VFD-L01.RunTime	TOTAL RUNTIME	PUMP P-L01	h	0	65536				-	-	INTERNAL		AI	31001				ANALOG INPUT	65	PLC -> SCADA
0197	0	VFD-L01.Flush_Val	BACKFLUSH TIMER VALUE	PUMP P-L01	s	0	600				-	-	INTERNAL		AI	31002				ANALOG INPUT	66	PLC -> SCADA
0198	0	VFD-L01.Flush_TS	BACKFLUSH TIMER SETPOINT	PUMP P-L01	s	0	600				-	-	INTERNAL		AI	31003				ANALOG INPUT	67	PLC -> SCADA
0199	0	VFD-L01.Flush_SS	BACKFLUSH SPEED SETPOINT	PUMP P-L01	%	0	100				-	-	INTERNAL		AI	31004				ANALOG INPUT	68	PLC -> SCADA
0200	0	VFD-L01.SS	FORWARD SPEED SETPOINT	PUMP P-L01	%	0	100				-	-	INTERNAL		AI	31005				ANALOG INPUT	69	PLC -> SCADA
0201	0	VFD-L02.State	LEAD/LAG STATE	PUMP P-L02	INT	0	1				LAG	LEAD	INTERNAL		AI	31006				ANALOG INPUT	70	PLC -> SCADA
0202	0	VFD-L02.RunTime	TOTAL RUNTIME	PUMP P-L02	h	0	65536				-	-	INTERNAL		AI	31007				ANALOG INPUT	71	PLC -> SCADA

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DESCRIPTION					LOGIC INFORMATION															DNP3		
RECORD NO.	REV. NO.	TAG NAME	FUNCTION	SERVICE	FULL SCALE			ENG. SCALE			ALARMS		CABINET	PLC CARD	I/O TYPE	I/O ADDRESS	I/O RACK	I/O SLOT	I/O POINT	TABLE	POINT ADDRESS	USAGE DESCRIPTION
					LOW	HIGH	UNIT	LOW	HIGH	UNIT	LOW (0)	HIGH (1)										
0203	0	VFD-L02.Flush_Val	BACKFLUSH TIMER VALUE	PUMP P-L02				s	0	600	-	-	INTERNAL		AI	31008				ANALOG INPUT	72	PLC -> SCADA
0204	0	VFD-L02.Flush_TS	BACKFLUSH TIMER SETPOINT	PUMP P-L02				s	0	600	-	-	INTERNAL		AI	31009				ANALOG INPUT	73	PLC -> SCADA
0205	0	VFD-L02.Flush_SS	BACKFLUSH SPEED SETPOINT	PUMP P-L02				%	0	100	-	-	INTERNAL		AI	31010				ANALOG INPUT	74	PLC -> SCADA
0206	0	VFD-L02.SS	FORWARD SPEED SETPOINT	PUMP P-L02				%	0	100	-	-	INTERNAL		AI	31011				ANALOG INPUT	75	PLC -> SCADA
0207	0	FIT-L201.Tot	TOTALIZED FLOW	FORCEMAIN FLOWMETER FIT-L201				L	0	65536	-	-	INTERNAL		AI	31012				ANALOG INPUT	76	PLC -> SCADA
0208	0	FIT-L201.PrevTot	PREVIOUS DAY TOTALIZED FLOW	FORCEMAIN FLOWMETER FIT-L201				L	0	65536	-	-	INTERNAL		AI	31013				ANALOG INPUT	77	PLC -> SCADA
0209	0	LIT-L100-3.L	WETWELL LEVEL UTILIZED FOR CONTROL	LEVEL CONTROL				mm	0	2000	-	-	INTERNAL		AI	31014				ANALOG INPUT	78	PLC -> SCADA
0210	0	FIT-L201.Flt_L1	LOW FLOW ALARM SETPOINT w/ 1 PUMP RUNNING	PUMP CONTROL				L/s	0	300	50	-	INTERNAL		AI	31015				ANALOG INPUT	79	PLC -> SCADA
0211	0	FIT-L201.Flt_L2	LOW FLOW ALARM SETPOINT w/ 2 PUMPS RUNNING	PUMP CONTROL				L/s	0	300	100	-	INTERNAL		AI	31016				ANALOG INPUT	80	PLC -> SCADA
0212	0	RIV-S-661-LT	INFLOW LEVEL METER	CSO				-	-	-	-	-	INTERNAL		AI	31017				ANALOG INPUT	81	PLC -> SCADA
0213	0	PLC-L810.L_1	LEAD PUMP START LEVEL SETPOINT	PUMP P-L01/P-L02				mm	0	2000	-	-	INTERNAL		AI	31018				ANALOG INPUT	82	PLC -> SCADA
0214	0	PLC-L810.L_2	LEAD PUMP STOP LEVEL SETPOINT	PUMP P-L01/P-L02				mm	0	2000	-	-	INTERNAL		AI	31019				ANALOG INPUT	83	PLC -> SCADA
0215	0	PLC-L810.L_3	LAG PUMP START LEVEL SETPOINT	PUMP P-L01/P-L02				mm	0	2000	-	-	INTERNAL		AI	31020				ANAOG INPUT	84	PLC -> SCADA
0216	0	PLC-L810.L_4	LAG PUMP STOP LEVEL SETPOINT	PUMP P-L01/P-L02				mm	0	2000	-	-	INTERNAL		AI	31021				ANALOG INPUT	85	PLC -> SCADA
0217	0	-	ECHO - FORWARD SPEED SETPOINT	PUMP P-L01									INTERNAL		AI	31022				ANALOG INPUT	86	PLC -> SCADA
0218	0	-	ECHO - FORWARD SPEED SETPOINT	PUMP P-L02									INTERNAL		AI	31023				ANALOG INPUT	87	PLC -> SCADA
0219	0	-	ECHO - LEAD PUMP START LEVELS SETPOINT COMMAND	PUMP P-L01/P-L02									INTERNAL		AI	31024				ANALOG INPUT	88	PLC -> SCADA
0220	0	-	ECHO - LEAD PUMP STOP LEVEL SETPOINT COMMAND	PUMP P-L01/P-L02									INTERNAL		AI	31025				ANALOG INPUT	89	PLC -> SCADA
0221	0	-	ECHO - LAG PUMP START LEVEL SETPOINT COMMAND	PUMP P-L01/P-L02									INTERNAL		AI	31026				ANALOG INPUT	90	PLC -> SCADA
0222	0	-	ECHO - LAG PUMP STOP LEVEL SETPOINT COMMAND	PUMP P-L01/P-L02									INTERNAL		AI	31027				ANALOG INPUT	91	PLC -> SCADA
0223	0	-	ECHO - BACKFLUSH TIMER SETPOINT COMMAND	PUMP P-L01									INTERNAL		AI	31028				ANALOG INPUT	92	PLC -> SCADA
0224	0	-	ECHO - BACKFLUSH TIMER SETPOINT COMMAND	PUMP P-L02									INTERNAL		AI	31029				ANALOG INPUT	93	PLC -> SCADA
0225	0	RIV-S-661-LT	ECHO - BAROMETRIC PRESSURE	CSO									INTERNAL		AI	31030				ANALOG INPUT	94	PLC -> SCADA
0226	0	VFD-L01.CmdS	FORWARD SPEED SETPOINT COMMAND	PUMP P-L01				%	0	100	-	-	INTERNAL		AO	41000				ANALOG OUTPUT	4	SCADA -> PLC
0227	0	VFD-L01.CmdS	FORWARD SPEED SETPOINT COMMAND	PUMP P-L02				%	0	100	-	-	INTERNAL		AO	41001				ANALOG OUTPUT	5	SCADA -> PLC
0228	0	PLC-L810.CmdL_1	LEAD PUMP START LEVEL SETPOINT COMMAND	PUMP P-L01/P-L02				mm	0	2000	-	-	INTERNAL		AO	41002				ANALOG OUTPUT	6	SCADA -> PLC
0229	0	PLC-L810.CmdL_2	LEAD PUMP STOP LEVEL SETPOINT COMMAND	PUMP P-L01/P-L02				mm	0	2000	-	-	INTERNAL		AO	41003				ANALOG OUTPUT	7	SCADA -> PLC
0230	0	PLC-L810.CmdL_3	LAG PUMP START LEVEL SETPOINT COMMAND	PUMP P-L01/P-L02				mm	0	2000	-	-	INTERNAL		AO	41004				ANALOG OUTPUT	8	SCADA -> PLC
0231	0	PLC-L810.CmdL_4	LAG PUMP STOP LEVEL SETPOINT COMMAND	PUMP P-L01/P-L02				mm	0	2000	-	-	INTERNAL		AO	41005				ANALOG OUTPUT	9	SCADA -> PLC
0232	0	VFD-L01.CmdT	BACKFLUSH TIMER SETPOINT COMMAND	PUMP P-L01				s	0	600	-	-	INTERNAL		AO	41006				ANALOG OUTPUT	10	SCADA -> PLC
0233	0	VFD-L01.CmdT	BACKFLUSH TIMER SETPOINT COMMAND	PUMP P-L02				s	0	600	-	-	INTERNAL		AO	41007				ANALOG OUTPUT	11	SCADA -> PLC
0234	0	RIV-S-661-LT	BAROMETRIC PRESSURE	CSO				-	-	-	-	-	INTERNAL		AO	41008				ANALOG OUTPUT	12	SCADA -> PLC