

Perimeter Road Pumping Station
 New DCS IO List
 S-1251
 MPE Project Number: 8400-007-00
 6/19/2024

Status	Wire Tags	Tag Name	Source	Type	F/S	0 state / EU Minimum	1 state / EU Maximum	Instrument Description	Area	ICU	Cabinet	Row	Termination	DCS IO Terminal	Drawing
Existing - Modified	M715-3/M715-4	YS-52-B	ATS-M7001	DI	N	OPEN	CLOSED	Main Breaker A Ramrock Status	M	WD	CAB 9	ROW 3D	DI-15	TB2, 5 & 6	1-0103-EWDG-M001
Existing - Modified	M705-1/M705-2	YS-52-A	ATS-M7001	DI	N	OPEN	CLOSED	Main Breaker B Headly Status	M	WD	CAB 9	ROW 3D	DI-14	TB2, 3 & 4	1-0103-EWDG-M001
NEW IO	M701-5/M7001-6	YAF-M7001	ATS-M7001	DI	Y	FAULT	NORMAL	Transfer switch fault	M	WD	CAB 9	ROW 3C	DI-4A	4A+ & 4AX	1-0103-EWDG-M001
NEW IO	M701-7/M7001-8	YS-M7001	ATS-M7001	DI	N	NOT IN AUTO	IN AUTO	Transfer switch Auto mode	M	WD	CAB 9	ROW 3C	DI-6B	6B+ & 6BX	1-0103-EWDG-M001
NEW IO	M701-9/M7001-10	YS-M7001	ATS-M7001	DI	N	NOT IN MANUAL	IN MANUAL	Transfer switch Manual mode	M	WD	CAB 9	ROW 3C	DI-7B	7B+ & 7BX	1-0103-EWDG-M001
NEW IO	M100-201 / M100-202	YL-M100.Rdy	VFD-M100.TB02	DI	N	NOT READY	READY	M100PP Ready Status to DCS	M	WD	CAB 9	ROW 1C	DI-7B	5A+ & 5AX	1-0103-EWDG-M002
NEW IO	M100-203 / M100-204	HS-M100.Man	VFD-M100.TB02	DI	N	NOT MANUAL MODE	MANUAL MODE	M100PP Manual Status to DCS	M	WD	CAB 9	ROW 1C	DI-7A	7A+ & 7AX	1-0103-EWDG-M002
Existing - Modified	M100-205 / M100-206	HS-M100.Auto	VFD-M100.TB02	DI	N	NOT AUTO MODE	AUTO MODE	M100PP Auto Status to DCS	M	WD	CAB 9	ROW 1C	DI-2A	2A+ & 2AX	1-0103-EWDG-M002
Existing - Modified	M100-207 / M100-208	YLR-M100.Fwd	VFD-M100.TB02	DI	N	NOT RUNNING FORWARD	RUNNING FORWARD	M100PP FWD Run Status to DCS	M	WD	CAB 9	ROW 1C	DI-1A	1A+ & 1AX	1-0103-EWDG-M002
Existing - Modified	M100-209 / M100-210	YLR-M100.Rev	VFD-M100.TB02	DI	N	NOT RUNNING REVERSE	RUNNING REVERSE	M100PP REV Run Status to DCS	M	WD	CAB 9	ROW 1C	DI-6A	6A+ & 6AX	1-0103-EWDG-M002
Existing - Modified	M100-211 / M100-212	YAF-M100.Flt	VFD-M100.TB02	DI	Y	VFD FAULT	VFD NORMAL	M100PP Fault Alarm to DCS	M	WD	CAB 9	ROW 1C	DI-3A	3A+ & 3AX	1-0103-EWDG-M002
NEW IO	M100-213 / M100-214	VAHH-M1001.Alm	VFD-M100.TB02, RLY-M1001	DI	N	NORMAL	ALARM	M100PP Bearing Vibration Lockout Alarm to DCS	M	WD	CAB 9	ROW 1D	DI-1A	1A+ & 1AX	1-0103-EWDG-M002
NEW IO	M100-215 / M100-216	TAHH-M1001.Alm	VFD-M100.TB02, RLY-M1001	DI	N	NORMAL	ALARM	M100PP Bearing Temperature Lockout Alarm to DCS	M	WD	CAB 9	ROW 1D	DI-2A	2A+ & 2AX	1-0103-EWDG-M002
NEW IO	M100-607 / M100-608	VAH-M1001.Warn	VFD-M100.TB06, RLY-M1001	DI	N	NORMAL	WARNING	M100PP Bearing Vibration Warning Alarm to DCS	M	WD	CAB 9	ROW 1D	DI-5A	5A+ & 5AX	1-0103-EWDG-M002
NEW IO	M100-609 / M100-610	TAH-M1001.Warn	VFD-M100.TB06, RLY-M1001	DI	N	NORMAL	WARNING	M100PP Bearing Temperature Warning Alarm to DCS	M	WD	CAB 9	ROW 1D	DI-6A	6A+ & 6AX	1-0103-EWDG-M002
Existing - Modified	M100-20 / M100-21	HS-M1006.Vfd	M100PP Bypass Cabinet	DI	N	NOT VFD MODE	VFD MODE	M100PP VFD Mode Input to DCS	M	WD	CAB 9	ROW 1C	DI-4A	4A+ & 4AX	1-0103-EWDG-M002
Existing - Modified	M1006-22 / M1006-23	HS-M1006.Rvms	M100PP Bypass Cabinet	DI	N	NOT RVMS MODE	RVMS MODE	M100PP RVMS Mode Input to DCS	M	WD	CAB 9	ROW 1C	DI-6B	6B+ & 6AX	1-0103-EWDG-M002
NEW IO	M100-217 / M100-218	YCR-M100.CmdFwd	VFD-M100.TB02	DO	N	STOP COMMAND	RUN FORWARD COMMAND	M100PP Run Forward Command from DCS	M	WD	CAB 9	ROW 1C1	DO-1A	1A+ & 1A0	1-0103-EWDG-M002
NEW IO	M100-219 / M100-220	YCR-M100.CmdRev	VFD-M100.TB02	DO	N	STOP COMMAND	RUN REVERSE COMMAND	M100PP Run Reverse Command from DCS	M	WD	CAB 9	ROW 2C1	DO-4B	4B+ & 4B0	1-0103-EWDG-M002
Existing - Modified	M100-301(+) / M100-301(-)	SI-M100.PV (Speed RPM)	VFD-M100.TB03	AI - 4-20mA	N/A	4 mA (0 RPM)	20 mA (1000 RPM)	M100PP Speed Input to DCS	M	WD	CAB 8	ROW 8D	AI-A17	TB2, 5+ & 6-	1-0103-EWDG-M002
NEW IO	M100-302(+) / M100-302(-)	II-M100.PV (Amps)	VFD-M100.TB03	AI - 4-20mA	N/A	4 mA (0 Amps)	20 mA (500 Amps)	M100PP Current Input to DCS	M	WD	CAB 8	ROW 8D	AI-A18	TB2, 7+ & 8-	1-0103-EWDG-M002
Existing - Modified	M100-300(+) / M100-300(-)	SC-M100.Out (speed %)	VFD-M100.TB03	AO - 4-20mA	N/A	4 mA (0%)	20 mA (100%)	M100PP Speed Output to DCS	M	WD	CAB 8	ROW 8C	AO-A01	TB4, 1+ & 2-	1-0103-EWDG-M002
NEW IO	M200-201 / M200-202	YL-M200.Rdy	VFD-M200.TB02	DI	N	NOT READY	READY	M200PP Ready Status to DCS	M	WD	CAB 9	ROW 2C	DI-6A	6A+ & 6AX	1-0103-EWDG-M004
NEW IO	M200-203 / M200-204	HS-M200.Man	VFD-M200.TB02	DI	N	NOT MANUAL MODE	MANUAL MODE	M200PP Manual Status to DCS	M	WD	CAB 9	ROW 2C	DI-4A	4A+ & 4AX	1-0103-EWDG-M004
Existing - Modified	M200-205 / M200-206	HS-M200.Auto	VFD-M200.TB02	DI	N	NOT AUTO MODE	AUTO MODE	M200PP Auto Status to DCS	M	WD	CAB 9	ROW 2C	DI-2A	2A+ & 2AX	1-0103-EWDG-M004
Existing - Modified	M200-207 / M200-208	YLR-M200.Fwd	VFD-M200.TB02	DI	N	NOT RUNNING FORWARD	RUNNING FORWARD	M200PP FWD Run Status to DCS	M	WD	CAB 9	ROW 2C	DI-1A	1A+ & 1AX	1-0103-EWDG-M004
NEW IO	M200-209 / M200-210	YLR-M200.Rev	VFD-M200.TB02	DI	N	NOT RUNNING REVERSE	RUNNING REVERSE	M200PP REV Run Status to DCS	M	WD	CAB 9	ROW 2C	DI-5A	5A+ & 5AX	1-0103-EWDG-M004
Existing - Modified	M200-211 / M200-212	YAF-M200.Flt	VFD-M200.TB02	DI	Y	VFD FAULT	VFD NORMAL	M200PP Fault Alarm to DCS	M	WD	CAB 9	ROW 2C	DI-3A	3A+ & 3AX	1-0103-EWDG-M004
NEW IO	M2001-213 / M2001-214	VAHH-M200.Alm	RLY-M2001	DI	N	NORMAL	ALARM	M200PP Bearing Vibration Lockout Alarm to DCS	M	WD	CAB 9	ROW 1D	DI-3A	3A+ & 3AX	1-0103-EWDG-M004
NEW IO	M2001-215 / M2001-216	TAHH-M200.Alm	RLY-M2001	DI	N	NORMAL	ALARM	M200PP Bearing Temperature Lockout Alarm to DCS	M	WD	CAB 9	ROW 1D	DI-4A	4A+ & 4AX	1-0103-EWDG-M004
NEW IO	M2001-607 / M2001-608	VAH-M200.Warn	RLY-M2001	DI	N	NORMAL	WARNING	M200PP Bearing Vibration Warning Alarm to DCS	M	WD	CAB 9	ROW 1D	DI-7A	7A+ & 7AX	1-0103-EWDG-M004
NEW IO	M200-609 / M2001-610	TAH-M200.Warn	RLY-M2001	DI	N	NORMAL	WARNING	M200PP Bearing Temperature Warning Alarm to DCS	M	WD	CAB 9	ROW 1D	DI-2B	2B+ & 2AX	1-0103-EWDG-M004
Existing - Modified	M200-217 / M200-218	YCR-M200.CmdFwd	VFD-M200.TB02	DO	N	STOP COMMAND	RUN FORWARD COMMAND	M200PP Run Forward Command from DCS	M	WD	CAB 9	ROW 2C1	DO-1A	1A+ & 1A0	1-0103-EWDG-M004
NEW IO	M200-219 / M200-220	YCR-M200.CmdRev	VFD-M200.TB02	DO	N	STOP COMMAND	RUN REVERSE COMMAND	M200PP Run Reverse Command from DCS	M	WD	CAB 9	ROW 2C1	DO-5B	5B+ & 5B0	1-0103-EWDG-M004
NEW IO	M200-301(+) / M200-301(-)	SI-M200.PV (Speed RPM)	VFD-M200.TB03	AI - 4-20mA	N/A	4 mA (0 RPM)	20 mA (1000 RPM)	M200PP Speed Input to DCS	M	WD	CAB 8	ROW 10D	AI-A11	TB1, 1+ & 2-	1-0103-EWDG-M004
Existing - Modified	M200-302(+) / M200-302(-)	II-M200.PV (Amps)	VFD-M200.TB03	AI - 4-20mA	N/A	4 mA (0 Amps)	20 mA (500 Amps)	M200PP Current Input to DCS	M	WD	CAB 8	ROW 10D	AI-A12	TB1, 3+ & 4-	1-0103-EWDG-M004
Existing - Modified	M200-300(+) / M200-300(-)	SC-M200.Out (speed %)	VFD-M200.TB03	AO - 4-20mA	N/A	4 mA (0%)	20 mA (100%)	M200PP Speed Output to DCS	M	WD	CAB 8	ROW 8C	AO-A02	TB4, 3+ & 4-	1-0103-EWDG-M004
NEW IO	M614-1 / M614-2	TT-M614.PV (Temp °C)	MA-M614-TT	AI - 4-20mA	N/A	4 mA (0°C)	20 mA (100°C)	Control Room Temperature Transmitter	M	WD	CAB 8	ROW 8D	AI-A13	TB1, 5+ & 6-	1-0103-AILD-M005
NEW IO	M100-221 / M100-222	FAL-M1005.Alm	VFD-M100.TB02	DI	N	NORMAL	ALARM	M100PP Low Seal Water Flow	M	WD	CAB 9	ROW 2C	DI-7A	7A+ & 7AX	1-0103-EWDG-M002
NEW IO	M200-221 / M200-222	FAL-M2005.Alm	VFD-M200.TB02	DI	N	NORMAL	ALARM	M200PP Low Seal Water Flow	M	WD	CAB 9	ROW 2C	DI-1B	1B+ & 1BX	1-0103-EWDG-M004