



**METCALFE LIFT PUMPING STATION
DNP3 I/O MAPPING LIST PLC-L81**

Document No. 5-0162L-A0001

Revision 0



THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

Engineer's Seal

METCALFE LIFT PUMPING STATION
2023 UPGRADES
DNP3 I/O MAPPING LIST
PLC-L81

City Document No. 5-0162L-A0001

KGS Project No. 22-0107-004

Notes / Comments

Input & Output signal addresses associated with Metcalfe Lift Station PLC-L81.

Reference Drawings:

- 1-0162L-A0007-001 - I/O Wiring PLC Control Panel CP-L81 Discrete Input Rack 0, Module 4
- 1-0162L-A0008-001 - I/O Wiring PLC Control Panel CP-L81 Discrete Input Rack 0, Module 5
- 1-0162L-A0009-001 - I/O Wiring PLC Control Panel CP-L81 Discrete Input Rack 0, Module 6
- 1-0162L-A0010-001 - I/O Wiring PLC Control Panel CP-L81 Discrete Output Rack 0, Module 7
- 1-0162L-A0011-001 - I/O Wiring PLC Control Panel CP-L81 Analog Input Rack 0, Module 8
- 1-0162L-A0012-001 - I/O Wiring PLC Control Panel CP-L81 Analog Input Rack 0, Module 9
- 1-0162L-A0013-001 - I/O Wiring PLC Control Panel CP-L81 Analog Input Rack 0, Module 10
- 1-0162L-A0014-001 - I/O Wiring PLC Control Panel CP-L81 Analog Input Rack 0, Module 11
- 1-0162L-A0015-001 - I/O Wiring PLC Control Panel CP-L81 Analog Input Rack 1, Module 0
- 1-0162L-A0016-001 - I/O Wiring PLC Control Panel CP-L81 Analog Input Rack 2, Module 1

Revisions

Rev	Description	Date	By	Checked	Approved
0	ISSUED FOR CONSTRUCTION	2023-02-27	AN/CSR		

PLC Card	Fuse Number	Terminal Block	Terminal Number	Wire Tag	Rack	IO Module	Point	DNP3 Type	DNP3 Address	Equipment Tag	Description	Fail Safe (F/S)	0 State/ EU Minimum (Note 1)	1 State/ EU Maximum (Note 1)	I/O Type	Interface	Field Type	Notes
-	-	-	-	-	-	-	-	-	79	P_L02_Stop_Cmd	Stop Command (DNP3 Binary Output sent by SCADA)	-	Okay	Stop	-	-	-	-
-	-	-	-	-	-	-	-	-	80	P_L02_RunRev_Cmd	Run Reverse Command (DNP3 Binary Output sent by SCADA)	-	Do Not Run Reverse	Run Reverse	-	-	-	-
-	-	-	-	-	-	-	-	-	81	P_L02_RunFwd_Fbk	Run Forward Command Feedback (DNP3 Binary Input sent to SCADA)	-	Do Not Run Forward	Run Forward	-	-	-	-
-	-	-	-	-	-	-	-	-	82	P_L02_Stop_Fbk	Stop Command Feedback (DNP3 Binary Input sent to SCADA)	-	Okay	Stop	-	-	-	-
-	-	-	-	-	-	-	-	-	83	P_L02_RunRev_Fbk	Run Reverse Command Feedback (DNP3 Binary Input sent to SCADA)	-	Do Not Run Reverse	Run Reverse	-	-	-	-
-	-	-	-	-	-	-	-	-	84	P-L02_RunFtrRst_Cmd	Run Fault Reset Command (DNP3 Binary Output sent by SCADA)	-	Do Not Reset	Run Fault Reset	-	-	-	-
-	-	-	-	-	-	-	-	-	85	P-L02_RunFtrRst_Fbk	Run Fault Reset Command Feedback (DNP3 Binary Input sent to SCADA)	-	Do Not Reset	Reset	-	-	-	-
-	-	-	-	-	-	-	-	-	86	P_L03_InService_Cmd	In Service Command (DNP3 Binary Output sent by SCADA)	-	Out of Service	In Service,	-	-	-	-
-	-	-	-	-	-	-	-	-	87	P_L03_OutService_Cmd	Out of Service Command (DNP3 Binary Output sent by SCADA)	-	In Service	Out of Service	-	-	-	-
-	-	-	-	-	-	-	-	-	88	P_L03_InService_Fbk	In Service Command Feedback (DNP3 Binary Input sent to SCADA)	-	Out of Service	In Service,	-	-	-	-
-	-	-	-	-	-	-	-	-	89	P_L03_OutService_Fbk	Out of Service Command Feedback (DNP3 Binary Input sent to SCADA)	-	In Service	Out of Service	-	-	-	-
-	-	-	-	-	-	-	-	-	90	P_L03_OutService_Sts	Out of Service Status (DNP3 Binary Input sent to SCADA)	-	Not out of Service	Out of Service	-	-	-	-
-	-	-	-	-	-	-	-	-	91	P_L03_RunFwd_Cmd	Run Forward Command (DNP3 Binary Output sent by SCADA)	-	Do Not Run Forward	Run Forward	-	-	-	-
-	-	-	-	-	-	-	-	-	92	P_L03_Stop_Cmd	Stop Command (DNP3 Binary Output sent by SCADA)	-	Okay	Stop	-	-	-	-
-	-	-	-	-	-	-	-	-	93	P_L03_RunRev_Cmd	Run Reverse Command (DNP3 Binary Output sent by SCADA)	-	Do Not Run Reverse	Run Reverse	-	-	-	-
-	-	-	-	-	-	-	-	-	94	P_L03_RunFwd_Fbk	Run Forward Command Feedback (DNP3 Binary Input sent to SCADA)	-	Do Not Run Forward	Run Forward	-	-	-	-
-	-	-	-	-	-	-	-	-	95	P_L03_Stop_Fbk	Stop Command Feedback (DNP3 Binary Input sent to SCADA)	-	Okay	Stop	-	-	-	-
-	-	-	-	-	-	-	-	-	96	P_L03_RunRev_Fbk	Run Reverse Command Feedback (DNP3 Binary Input sent to SCADA)	-	Do Not Run Reverse	Run Reverse	-	-	-	-
-	-	-	-	-	-	-	-	-	97	P-L03_RunFtrRst_Cmd	Run Fault Reset Command (DNP3 Binary Output sent by SCADA)	-	Do Not Reset	Run Fault Reset	-	-	-	-
-	-	-	-	-	-	-	-	-	98	P-L03_RunFtrRst_Fbk	Run Fault Reset Command Feedback (DNP3 Binary Input sent to SCADA)	-	Do Not Reset	Reset	-	-	-	-
-	-	-	-	-	-	-	-	-	99	PLC_Auto_Cmd	PLC Auto Command (DNP3 Binary Output sent by SCADA)	-	Not Auto	Auto	-	-	-	-
-	-	-	-	-	-	-	-	-	100	PLC_Manual_Cmd	PLC Manual Command (DNP3 Binary Output sent by SCADA)	-	Not Manual	Manual	-	-	-	-
-	-	-	-	-	-	-	-	-	101	PLC_Auto_Fbk	In Service Command Feedback (DNP3 Binary Input sent to SCADA):	-	Not Auto	Auto	-	-	-	-
-	-	-	-	-	-	-	-	-	102	PLC_Manual_Fbk	PLC Manual Feedback (DNP3 Binary Input sent to SCADA)	-	Not Manual	Manual	-	-	-	-
-	-	-	-	-	-	-	-	-	103	PLC_AutoMan_Sts	PLC Auto/Manual Status (DNP3 Binary Input sent to SCADA)	-	Manual	Auto	-	-	-	-
-	-	-	-	-	-	-	-	-	104	PLC_ResetOn_Cmd	Reset ON Cmd (DNP3 Binary Output sent by SCADA)	-	Do Not Reset Alarms	Reset Alarms	-	-	-	-
-	-	-	-	-	-	-	-	-	105	PLC_ResetOn_Fbk	Reset ON Cmd Feedback (DNP3 Binary Input sent to SCADA)	-	Alarms Not Reset	Alarms Reset	-	-	-	-
-	-	-	-	-	-	-	-	-	106	PLC_ResetOn_Sts	Reset ON Status (DNP3 Binary Input sent to SCADA)	-	Not Reset	Reset	-	-	-	-