

 SNC • LAVALIN	Instrument List For Contract C3	Document Code	A-0102-AELI-RT01
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Client City of Winnipeg			
Project SEWPCC Upgrade/Expansion Project			
Package / Area Bioreactors/Blower Building			
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Notes / Comments			

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Rev	Description	Date	By	Checked	Approved
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Bioreactor/Blower Building Instrument List For Contract C3

Instrument Tag	Instrument Description	P&ID Number	Plan Drawing	Installation Detail Drawing	Detail Number	Notes
AE-R1022	Bioreactor 1 TK-R102 Anaerobic Zone ORP Sensor	1-0102-PPID-R101	1-0102-AGAD-R007	1-0102-ADTL-R001-002	A	-
AE-R1032	Bioreactor 1 TK-R103 Anoxic IFAS Zone NO3/NH3 Sensor	1-0102-PPID-R102	1-0102-AGAD-R007	1-0102-ADTL-R001-002	B	-
AE-R1041-1	Bioreactor 1 TK-R104 Aerobic IFAS Zone DO Sensor 1	1-0102-PPID-R102	1-0102-AGAD-R007	1-0102-ADTL-R001-001	B	-
AE-R1041-2	Bioreactor 1 TK-R104 Aerobic IFAS Zone DO Sensor 2	1-0102-PPID-R102	1-0102-AGAD-R007	1-0102-ADTL-R001-001	B	-
AE-R1042-1	Bioreactor 1 TK-R104 Aerobic IFAS Zone pH Sensor 1	1-0102-PPID-R102	1-0102-AGAD-R007	1-0102-ADTL-R001-001	B	-
AE-R1042-2	Bioreactor 1 TK-R104 Aerobic IFAS Zone pH Sensor 2	1-0102-PPID-R102	1-0102-AGAD-R007	1-0102-ADTL-R001-001	B	-
AE-R1043-1	Bioreactor 1 TK-R104 Aerobic IFAS Zone NO3/NH3 Sensor 1	1-0102-PPID-R102	1-0102-AGAD-R007	1-0102-ADTL-R001-001	B	-
AE-R1043-2	Bioreactor 1 TK-R104 Aerobic IFAS Zone2 NO3/NH3 Sensor 2	1-0102-PPID-R102	1-0102-AGAD-R007	1-0102-ADTL-R001-001	B	-
AE-R1044-1	Bioreactor 1 TK-R104 Aerobic IFAS Zone SS Sensor 1	1-0102-PPID-R102	1-0102-AGAD-R007	1-0102-ADTL-R001-001	B	-
AE-R1044-2	Bioreactor 1 TK-R104 Aerobic IFAS Zone SS Sensor2	1-0102-PPID-R102	1-0102-AGAD-R007	1-0102-ADTL-R001-001	B	-
AE-R1051	Bioreactor 1 TK-R105 Post Aerobic Zone DO Sensor	1-0102-PPID-R102	1-0102-AGAD-R007	1-0102-ADTL-R001-001	A	-
AE-R1052	Bioreactor 1 TK-R105 Post Aerobic Zone DO Sensor	1-0102-PPID-R102	1-0102-AGAD-R007	1-0102-ADTL-R001-001	A	-
AE-R1122	Bioreactor 2 TK-R112 Anaerobic Zone ORP Sensor	1-0102-PPID-R103	1-0102-AGAD-R008	1-0102-ADTL-R001-002	A	-
AE-R1132	Bioreactor 2 TK-R113 Anoxic Zone NO3/NH3 Sensor	1-0102-PPID-R104	1-0102-AGAD-R008	1-0102-ADTL-R001-002	B	-
AE-R1141-1	Bioreactor 2 TK-R114 Aerobic IFAS Zone DO Sensor 1	1-0102-PPID-R104	1-0102-AGAD-R008	1-0102-ADTL-R001-001	B	-
AE-R1141-2	Bioreactor 2 TK-R114 Aerobic IFAS Zone DO Sensor 2	1-0102-PPID-R104	1-0102-AGAD-R008	1-0102-ADTL-R001-001	B	-
AE-R1142-1	Bioreactor 2 TK-R114 Aerobic IFAS Zone pH Sensor 1	1-0102-PPID-R104	1-0102-AGAD-R008	1-0102-ADTL-R001-001	B	-
AE-R1142-2	Bioreactor 2 TK-R114 Aerobic IFAS Zone pH Sensor 2	1-0102-PPID-R104	1-0102-AGAD-R008	1-0102-ADTL-R001-001	B	-
AE-R1143-1	Bioreactor 2 TK-R114 Aerobic IFAS Zone NO3/NH3 Sensor 1	1-0102-PPID-R104	1-0102-AGAD-R008	1-0102-ADTL-R001-001	B	-
AE-R1143-2	Bioreactor 2 TK-R114 Aerobic IFAS Zone2 NO3/NH3 Sensor 2	1-0102-PPID-R104	1-0102-AGAD-R008	1-0102-ADTL-R001-001	B	-
AE-R1144-1	Bioreactor 2 TK-R114 Aerobic IFAS Zone SS Sensor 1	1-0102-PPID-R104	1-0102-AGAD-R008	1-0102-ADTL-R001-001	B	-
AE-R1144-2	Bioreactor 2 TK-R114 Aerobic IFAS Zone SS Sensor 2	1-0102-PPID-R104	1-0102-AGAD-R008	1-0102-ADTL-R001-001	B	-
AE-R1151	Bioreactor 2 TK-R115 Post Aerobic Zone DO Sensor	1-0102-PPID-R104	1-0102-AGAD-R008	1-0102-ADTL-R001-001	A	-
AE-R1152	Bioreactor 2 TK-R115 Post Aerobic Zone DO Sensor	1-0102-PPID-R104	1-0102-AGAD-R008	1-0102-ADTL-R001-001	A	-
AE-R1222	Bioreactor 3 TK-R122 Anaerobic Zone ORP Sensor	1-0102-PPID-R105	1-0102-AGAD-R009	1-0102-ADTL-R001-002	A	-
AE-R1232	Bioreactor 3 TK-R123 Anoxic Zone NO3/NH3 Sensor	1-0102-PPID-R106	1-0102-AGAD-R009	1-0102-ADTL-R001-002	B	-
AE-R1241-1	Bioreactor 3 TK-R124 Aerobic IFAS Zone DO Sensor 1	1-0102-PPID-R106	1-0102-AGAD-R009	1-0102-ADTL-R001-001	B	-
AE-R1241-2	Bioreactor 3 TK-R124 Aerobic IFAS Zone DO Sensor 2	1-0102-PPID-R106	1-0102-AGAD-R009	1-0102-ADTL-R001-001	B	-
AE-R1242-1	Bioreactor 3 TK-R124 Aerobic IFAS Zone pH Sensor 1	1-0102-PPID-R106	1-0102-AGAD-R009	1-0102-ADTL-R001-001	B	-
AE-R1242-2	Bioreactor 3 TK-R124 Aerobic IFAS Zone pH Sensor 2	1-0102-PPID-R106	1-0102-AGAD-R009	1-0102-ADTL-R001-001	B	-
AE-R1243-1	Bioreactor 3 TK-R124 Aerobic IFAS Zone NO3/NH3 Sensor 1	1-0102-PPID-R106	1-0102-AGAD-R009	1-0102-ADTL-R001-001	B	-
AE-R1243-2	Bioreactor 3 TK-R124 Aerobic IFAS Zone2 NO3/NH3 Sensor 2	1-0102-PPID-R106	1-0102-AGAD-R009	1-0102-ADTL-R001-001	B	-
AE-R1244-1	Bioreactor 3 TK-R124 Aerobic IFAS Zone SS Sensor 1	1-0102-PPID-R106	1-0102-AGAD-R009	1-0102-ADTL-R001-001	B	-
AE-R1244-2	Bioreactor 3 TK-R124 Aerobic IFAS Zone SS Sensor 2	1-0102-PPID-R106	1-0102-AGAD-R009	1-0102-ADTL-R001-001	B	-
AE-R1251	Bioreactor 3 TK-R125 Post Aerobic Zone DO Sensor	1-0102-PPID-R106	1-0102-AGAD-R009	1-0102-ADTL-R001-001	A	-
AE-R1252	Bioreactor 3 TK-R125 Post Aerobic Zone DO Sensor	1-0102-PPID-R106	1-0102-AGAD-R009	1-0102-ADTL-R001-001	A	-
AIT-R1001	Bioreactor 1 Analyzer 1	1-0102-PPID-R102	1-0102-AGAD-R007	NA	-	-
AIT-R1002	Bioreactor 1 Analyzer 2	1-0102-PPID-R102	1-0102-AGAD-R007	NA	-	-
AIT-R1101	Bioreactor 2 Analyzer 1	1-0102-PPID-R104	1-0102-AGAD-R008	NA	-	-
AIT-R1102	Bioreactor 2 Analyzer 2	1-0102-PPID-R104	1-0102-AGAD-R008	NA	-	-
AIT-R1201	Bioreactor 3 Analyzer 1	1-0102-PPID-R106	1-0102-AGAD-R009	NA	-	-
AIT-R1202	Bioreactor 3 Analyzer 2	1-0102-PPID-R106	1-0102-AGAD-R009	NA	-	-
FE-R1021	Bioreactor 1 Influent Open Channel Flow Sensor	1-0102-PPID-R101	1-0102-AGAD-R007	1-0102-ADTL-R002	-	-
FE-R1031	Bioreactor 1 Anoxic Influent Open Channel Flow Sensor	1-0102-PPID-R101	1-0102-AGAD-R007	1-0102-ADTL-R002	-	-
FE-R1121	Bioreactor 2 Influent Open Channel Flow Sensor	1-0102-PPID-R103	1-0102-AGAD-R008	1-0102-ADTL-R002	-	-
FE-R1131	Bioreactor 2 Anoxic Influent Open Channel Flowmeter Sensor	1-0102-PPID-R103	1-0102-AGAD-R008	1-0102-ADTL-R002	-	-
FE-R1221	Bioreactor 3 Influent Open Channel Flow Sensor	1-0102-PPID-R105	1-0102-AGAD-R009	1-0102-ADTL-R002	-	-

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Instrument Tag	Instrument Description	P&ID Number	Plan Drawing	Installation Detail Drawing	Detail Number	Notes
FE-R1231	Bioreactor 3 Anoxic Influent Open Channel Flow Sensor	1-0102-PPID-R105	1-0102-AGAD-R009	1-0102-ADTL-R002	-	-
LIT-R3002-1	WAS Sump TK-R300 Level Transmitter 1	1-0102-PPID-R301	1-0102-AGAD-R004	1-0102-ADTL-R003	A	-
LIT-R3002-2	WAS Sump TK-R300 Level Transmitter 2	1-0102-PPID-R301	1-0102-AGAD-R004	1-0102-ADTL-R003	A	-
LT-R1045-1	Bioreactor 1 Aerobic IFAS Zone Level Transmitter 1	1-0102-PPID-R102	1-0102-AGAD-R007	1-0102-ADTL-R003	B	-
LT-R1045-2	Bioreactor 1 Aerobic IFAS Zone Level Transmitter 2	1-0102-PPID-R102	1-0102-AGAD-R007	1-0102-ADTL-R003	B	-
LT-R1145-1	Bioreactor 2 Aerobic IFAS Zone Level Transmitter 1	1-0102-PPID-R104	1-0102-AGAD-R008	1-0102-ADTL-R003	B	-
LT-R1145-2	Bioreactor 2 Aerobic IFAS Zone Level Transmitter 2	1-0102-PPID-R104	1-0102-AGAD-R008	1-0102-ADTL-R003	B	-
LT-R1245-1	Bioreactor 3 Aerobic IFAS Zone Level Transmitter 1	1-0102-PPID-R106	1-0102-AGAD-R009	1-0102-ADTL-R003	B	-
LT-R1245-2	Bioreactor 3 Aerobic IFAS Zone Level Transmitter 2	1-0102-PPID-R106	1-0102-AGAD-R009	1-0102-ADTL-R003	B	-
LT-R1301	Mixed Liquor Channel Level Transmitter	1-0102-PPID-R107	1-0102-AGAD-R007	1-0102-ADTL-A005	B	-
LT-R1303	Bioreactor Bypass Channel 2 Level Transmitter	1-0102-PPID-R107	1-0102-AGAD-R007	1-0102-ADTL-A005	B	-
LT-R1803	RAS Channel Level Transmitter	1-0102-PPID-R108	1-0102-AGAD-R008	1-0102-ADTL-A005	B	-