A1 SIZE - 594mm x 841mm

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TO PLANT PA SYSTEM
1-0102-PPID-M901

HL C0121

DI

HS C0121
CHEMICAL HAULER PUSH BUTTON

LKH C2011 | YC C2011 | LK C2011 1 | DO
LKH C2021 | YC C2021 | LK C2021 1 | AO
LKH C2051 | YC C2051 | LK C2051 1 | DO
LKH C3011 | YC C3011 | LK C3011 1 | AO
LKH C0201 | LKHH C0201 | HL C0201 1 | DI | HL C0201 2 | DI

LKH C1011 | YC C1011 | LK C1011 1 | DO
LKH C1021 | YC C1021 | LK C1021 1 | AO
LKH C1031 | YC C1031 | LK C1031 1 | DO
LKH C0202 | LKHH C0202 | HL C0202 1 | DI | HL C0202 2 | DI

75-SBS-PV01 → TO SODIUM BISULPHITE TANK TK-C301
1-0102-PPID-C301

75-SHC-PV01 → TO SODIUM HYPOCHLORITE TANKS TK-C201 AND TK-C202
1-0102-PPID-C201

75-SHD-PV01 → TO SODIUM HYDROXIDE TANK TK-C205
1-0102-PPID-C201

75-FC-PV01 → TO FERRIC CHLORIDE TANKS TK-C101, TK-C102 AND TK-C103
1-0102-PPID-C101

75 HV-C300A
75 HV-C200A
75 HV-C200B
75 HV-C100A

LCP-C0201
CHEMICAL FILL PANEL NO. 1

YL C2011 G	YL C2021 G	YL C2051 G	YL C3011 G
SODIUM HYPOCHLORITE TANK NO.1 READY	SODIUM HYPOCHLORITE TANK NO.2 READY	SODIUM HYDROXIDE TANK READY	SODIUM BISULPHITE TANK READY
LAH C2011 A	LAH C2021 A	LAH C2051 A	LAH C3011 A
SODIUM HYPOCHLORITE TANK NO.1 HIGH LEVEL	SODIUM HYPOCHLORITE TANK NO.2 HIGH LEVEL	SODIUM HYDROXIDE TANK HIGH LEVEL	SODIUM BISULPHITE TANK HIGH LEVEL
LI C2011 1	LI C2021 1	LI C2051 1	LI C3011 1
SODIUM HYPOCHLORITE TANK NO. 1 LEVEL	SODIUM HYPOCHLORITE TANK NO. 2 LEVEL	SODIUM HYDROXIDE TANK LEVEL	SODIUM BISULPHITE TANK LEVEL
LAHH C0201 R	LAH C0201	HS C0201 1	HS C0201 2
STROBE	HORN	TEST	SILENCE
COMMON HIGH HIGH ALARM	COMMON HIGH ALARM		

LCP-C0202
CHEMICAL FILL PANEL NO. 2

YL C1011 G	YL C1021 G	YL C1031 G
FERRIC CHLORIDE TANK NO.1 READY	FERRIC CHLORIDE TANK NO.2 READY	FERRIC CHLORIDE TANK NO.3 READY
LAH C1011 A	LAH C1021 A	LAH C1031 A
FERRIC CHLORIDE TANK NO.1 HIGH LEVEL	FERRIC CHLORIDE TANK NO.2 HIGH LEVEL	FERRIC CHLORIDE TANK NO.3 HIGH LEVEL
LI C1011 1	LI C1021 1	LI C1031 1
FERRIC CHLORIDE TANK NO. 1 LEVEL	FERRIC CHLORIDE TANK NO. 2 LEVEL	FERRIC CHLORIDE TANK NO. 3 LEVEL
LAHH C0202 R	LAH C0202	HS C0202 1	HS C0202 2
STROBE	HORN	TEST	ACK
COMMON HIGH HIGH ALARM	COMMON HIGH ALARM		

100-PD-PV01 → FROM POLYMER MIXING AREA NORTH SPILL CONTAINMENT
1-0102-PPID-C401

100-PD-PV01 → FROM POLYMER MIXING AREA SOUTH SPILL CONTAINMENT
1-0102-PPID-C408

25-PD-PV01 → FROM POLYMER AGING NORTH AREA SPILL CONTAINMENT
1-0102-PPID-C401

25-PD-PV01 → FROM POLYMER AGING SOUTH AREA SPILL CONTAINMENT
1-0102-PPID-C408

25-PD-PV01 → FROM FERRIC CHLORIDE SPILL CONTAINMENT
1-0102-PPID-C101

25-PD-PV01 → FROM SODIUM BISULPHITE SPILL CONTAINMENT
1-0102-PPID-C301

25-PD-PV01 → FROM SODIUM HYPOCHLORITE/ HYDROXIDE SPILL CONTAINMENT
1-0102-PPID-C201

100-PD-PV01 (01)

100-PD-PV01 (01)

150-VTA-PV01 (01)

100-PD-PV01

V

XA C0103
LEAK
XS C0103
VENDOR SUPPLIED

SPARE
PV01

LI C0101 HH H L
AI

MANWAY
100-PD-PV01

PUMP OUT
GS01
LAHH C0102
LSHH C0102
VENDOR SUPPLIED

VENDOR SUPPLIED
LT C0101
HS

TK-C010
DOUBLE WALL CHEMICAL CONTAINMENT HOLDING TANK (BELOW GRADE)
10000 L

LAH C0111
LAHH C0111
LSH C0111
LSHH C0111
CHEMICAL DUCTBANK SUMP

HIGH VENTILATION REQUEST
YC C0900
DO CmdVentHi
HIGH VENTILATION REQUEST TO HVAC PLC
1-0102-PPID-C605

NOTES

1. PRE-FILL DOUBLE-WALL FRP STORAGE TANK WITH 4000L OF WATER.

APEGM
Certificate of Authorization
CH2M HILL Canada Ltd.
No. 1441

NO.	REVISIONS	DATE	DESIGN	CHECK
01	ISSUED FOR ADDENDUM 3 - 976-2016	2017/06/21	J.C.	J.C.
00	ISSUED FOR CONSTRUCTION - 976-2016	2017/04/05	J.C.	J.C.

CH2MHILL
SNC·LAVALIN
KGS GROUP CONSULTING ENGINEERS

DESIGNED BY: A. NGUYEN	CHECKED BY: F. ABSI
DRAWN BY: J. CORTEZ	APPROVED BY: H.T. FREIHAMMER
SCALE: NTS	ISSUED FOR CONSTRUCTION BY: J. SHUMKA
DATE: 2017/04/05	DATE: 2017/04/05
CONSULTANT NO.: 474248	

ENGINEER'S SEAL
21 JUNE 2017
PROVINCE OF MANITOBA
F. J. ABSI Member 36875
REGISTERED PROFESSIONAL ENGINEER

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE
SEWPCC UPGRADING/EXPANSION PROJECT
PROCESS AND INSTRUMENTATION DIAGRAM
CHEMICAL DELIVERY AREA

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0102-PPID-C001	001	01	A1

PLOT DATE: 2017\06\25
FILE NAME: 1-0102-PPID-C001.dgn