November 2021

As Built Report
Saline Effluent Treatment Plant (SETP) Upgrade

6526-680-132-REP-005

In Accordance with Licence 2AM-MEL1631 Part D, item 1 & 2

Prepared by:

Agnico Eagle Mines Limited – Meliadine Division

DOCUMENT CONTROL

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1 INTRODUCTION

1.1 SITE LOCATION AND ACCESS

Agnico Eagle Mines Limited (Agnico Eagle) is operating the Meliadine gold mine located approximately 25 km north of Rankin Inlet, and 80 km southwest of Chesterfield Inlet in the Kivalliq Region of Nunavut. The site is located on the peninsula between the East, South, and West basins of Meliadine Lake (63°01'23.8"N, 92°13'6.42"W). The area is accessible from the all-weather gravel road linking the Meliadine mine site with Rankin Inlet.

A general location of the SETP for the project is shown in Figure 1.

1.2 SITE FACILITIES

The current mine plan focuses on the development of the Tiriganiaq gold deposit which will be mined using both conventional open-pit and underground mining operations. Current mining facilities to support the Mine include a plant site and accommodations, tailings storage facility, waste rock storage facilities, ore storage pads, process plant, power plant, maintenance facilities, water management plants and supporting infrastructures.

Such infrastructures include water retention dikes, berms, culverts, channels, collection ponds, pumping stations, freshwater intake and water treatment plants are required to manage water during pre-production, operation, and interim mine closure. In 2019, the Saline Effluent Treatment Plant (SETP) was built to provide saline water treatment prior to discharge to Melvin Bay

To support the water management plan and to improve the treatment plant performance and reliability, upgrades to the SETP were required. The upgrades were completed within the same building as in 2019. No additional buildings were added to the existing facilities constructed in 2019.

1.3 PURPOSE OF DOCUMENT

As required by the Water License A (No. 2AM-MEL1631), this report summarizes the construction and commissioning work associated with the Saline Effluent Treatment Plant (SETP). Included in this report are:

- A description of the Process;
- Documentation on field decisions that deviate from the original plans;
- Building location; and
- Photographs.

The SETP equipment upgrade integrates the following components:

- Conversion of the lamella clarifier tank into a sand ballasted clarifier;
- Upgrade of chemical dosing skids for polymer, coagulant, sodium hypochlorite and caustic;
- Increase of chlorination tanks volume;
- Upgrade of dechlorination filters;
- Upgrade of pumps and piping;
- Upgrade of instrumentation; and
- Addition of an acid dosing skid to control pH.

SETP Upgrade

Figure 1 : General location plan

2 PROCESS DESCRIPTION

2.1 SETP SUMMARY

The Raw water feeding the SETP is pumped to be treated, first for TSS in an Actiflo® clarifier. The treated water overflows into a chlorination reactor where ammonia is oxidized into nitrogen gas by hypochlorite injection. The treated water from the Actiflo can also bypass the chlorination tank if necessary. The gasses generated by the chlorination treatment are vented to the atmosphere outside of the plant. Excess chlorine in the water is removed by granular activated carbon filters (GAC). The pH of the treated water is adjusted before discharging to the Saline Pond 3 (SP3). From SP3, the water is pumped into tanker trucks, transported to Itivia, and discharged to Melvin Bay through the diffuser. If treated water quality does not meet the desired criteria, water will be recirculated in Saline Pond 1 (SP1), instead of entering SP3.

The treatment concept is presented in Figure 2. The P&ID can be found in Appendix A.

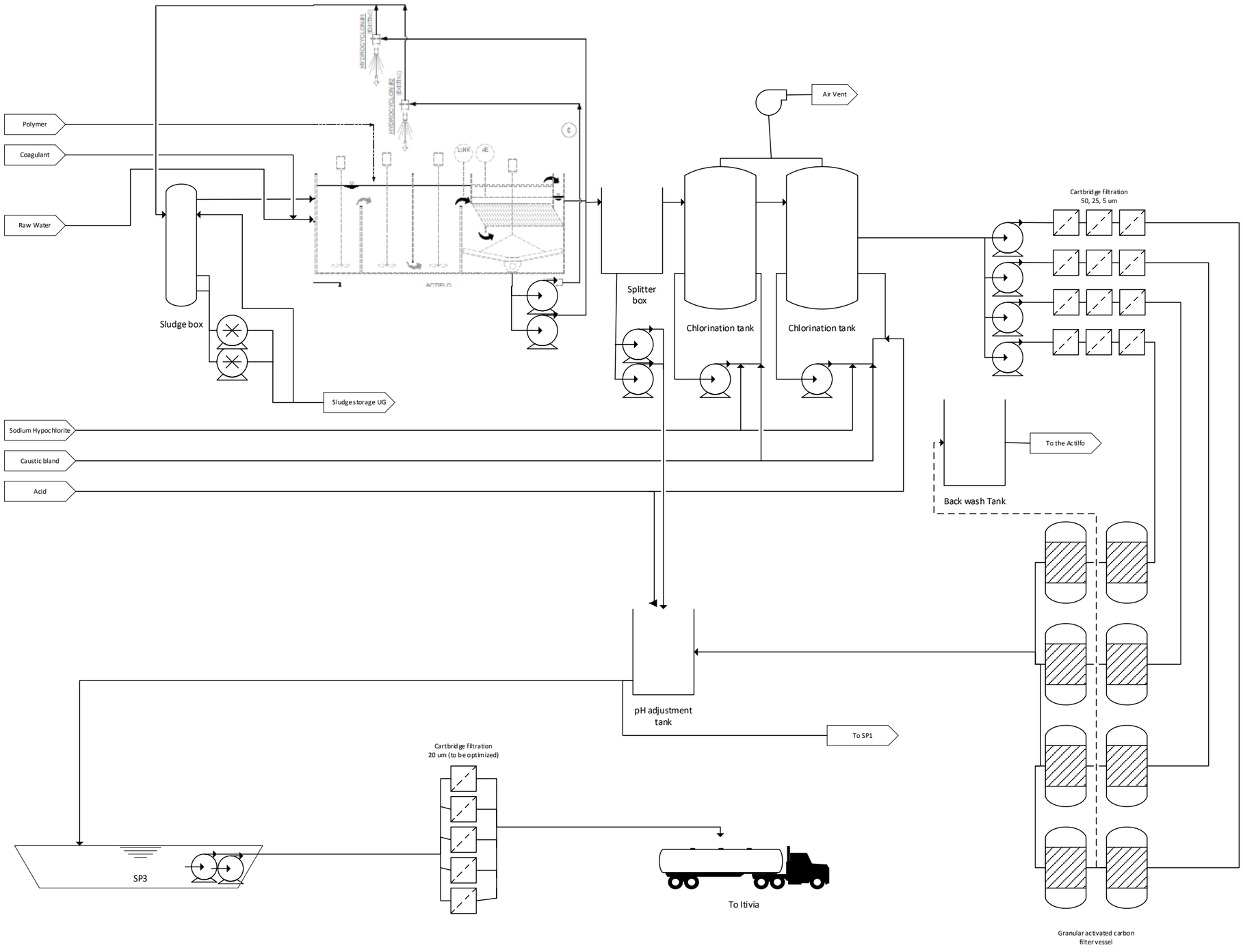

Figure 2 : SETP Overall Process Concept

2.2 ACTIFLO®

The main modification between the Multiflo® and Actiflo® units is the addition of two microsand recirculation circuits (one operating, one standby). Those circuits are designed with a recirculation pump and a hydrocyclone. A sludge recirculation tank is also added to control the sludge volume sent for disposal. Additional chemical skids are also required to meet the chemical requirement once the flow capacity is increased.

Actiflo® are sand-ballasted settling units with a high-rate coagulation/flocculation/sedimentation process that utilizes microsand as a seed for floc formation. The microsand provides a surface area that enhances flocculation and acts as a ballast or weight. The resulting floc settles very fast, allowing for compact clarifier designs with high overflow rates and short retention times. The use of microsand also permits the unit to perform well under changing flow rates without impacting final effluent quality.

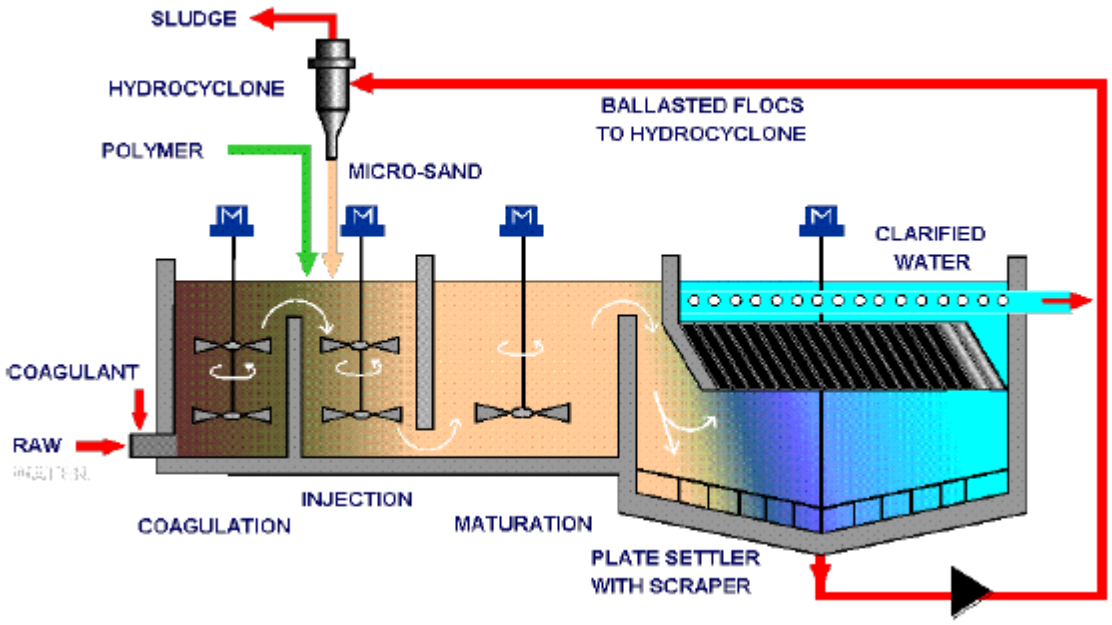

Figure 3 : Actiflo® Process

The slurry flows to the first basin, the coagulation chamber, where the reaction is optimized. The aluminum-based coagulant forms a floc of aluminum hydroxide ($Al(OH)_3$) which acts as a bridge to tie colloidal particles together. The coagulated water then overflows to a second tank section called the injection tank. There, the microsand and flocculent aid polymer are added. The microsand provides a large contact area for floc attachment and acts as ballast, thereby accelerating the settling of the flocs. The flocculent aid polymer binds the destabilized suspended solids to the microsand particles by forming polymer bridges. From the injection tank, the water underflows to a third tank section called the maturation tank. In this section, the microsand and sludge flocs agglomerate and grow into high-density flocs known as microsand ballasted flocs. From the maturation zone, the water overflows to the settling section of the tank. In the settling zone, the microsand ballasted flocs settle quickly to the bottom of the unit. In the settling zone, the settling efficiency is further increased by the use of the lamella tubes. The

clarified water exits the system via a series of collection troughs or wires. The clarified water is monitored for turbidity.

The sand-sludge mixture settles to the bottom of the clarifier. Scrapers force the sludge collected at the bottom of the clarifier into a central cone from which is continuously withdrawn and pumped to a hydro cyclone where the sludge and microsand are separated by centrifugal force. After separation, the higher density microsand is discharged from the bottom of the hydro cyclone and reinjected into the process for reuse. The lighter density sludge is discharged from the top of the hydro cyclone and directed to the sludge storage tank and recirculated into the coagulation chamber or to the sludge storage location. A solid percentage of 2% is expected in the sludge tank purge.

2.3 BREAK POINT CHLORINATION

The water is then sent to two new reaction tanks in series where hypochlorite solution and an alkali (mix of NaOH/KOH) is added. The hypochlorite (ClO^-, chlorine) is a compound added to oxidize the ammonia (NH_4^+) into nitrogen (N_2) and nitrates (NO_3^-). The quantity of hypoclorite added is a function of the concentration of nitrites (NO_2^-) and ammonia concentration in the raw water. The chlorination tanks are agitated by recirculating water through eductors within each tank.

The hypochlorite solution injected in the water produces hypochlorous acid (HOCl). The hypochlorous acid is a weak acid, and part of the hypochlorous acid is decomposed in water into hypochlorite ions (ClO^-), depending on the pH of the water. The pH can be adjusted to optimize the chlorine dosage using the alkali. An addition of sulfuric acid is possible in the second reactor for pH adjustment if required.

The hypochlorous acid and hypochlorite ions in solution will first be consumed by reducing agents and organic matter contained in the water. When more chlorine is added in solution and there is a presence of ammonia, the ammonia will react to form chloramines, specifically monochloramines (NH_2Cl). When the quantity of chlorine is sufficient, the monochloramines will be destroyed, and depending on the concentration, will be transformed into dichloramines ($NHCl_2$) or trichloramines (NCl_3) and then finally into nitrogen (N_2). If the quantity of chlorine injected is sufficient, a breakpoint is reached where all chloramines and ammonia are converted into nitrogen.

2.4 CARTRIDGE FILTRATION

Before being fed to the GAC filter, water is filtered through three cartridge filters which can be operated in parallel or in series. These filters will vary in hole size (from 5 um to 50um) depending on the operation requirement. This step limits the clogging risk within the GAC filter.

2.5 GRANULAR ACTIVATED CARBON (GAC) FILTER

The water will then be pumped to four lines of two pressure filters filled with Granulated Activated Carbon (GAC) which can be operated in series or in parallel. As a result of the pressure from the pump, the water is forced to pass through the filters where it is exposed to the GAC, removing residual chlorine and chlorine byproducts. The filtered water is then monitored for total chlorine.

The activated carbon specifications are 12x40 SAW (Acid washed, Continental Carbon) and possesses a capacity of chlorine removal higher than required for summer operation of the SETP (no requirement to change the GAC during the operating season). The carbon is considered as a consumable.

2.6 PH ADJSUTMENT TANK

Treated waters (both from GAC filters and Actiflo) flow into the pH adjustment tank where pH is adjusted. Sulfuric acid is used for pH adjustment in this reactor.

2.7 POLISHING FILTRATION

A polishing filtration is implemented prior to filling up the tanker used for transportation of treated water to the final discharge location. To do so, five filtration vessels are placed in parallel between the pumps located in SP3 and the truck loading station. Mesh of the filter is optimized in the field depending on operation consideration, but 10 um is expected to be used most of the time.

2.8 REAGENTS

The following reagents will be used at the SETP:

- Coagulant: Hydrex 6240 (Veolia) or equivalent
- Anionic polymer: Hydrex 6105 (Veolia) or equivalent
- Caustic blend: Hydrex 9501 (Veolia) or equivalent
- Actisand (Veolia) or equivalent
- Sodium hypochlorite 12%
- Sulfuric Acid 93%

2.9 SERVICE WATER SYSTEM

The service water system consists of two multimedia filters in parallel (one operating, one standby), one heater, one filtered water tank and one service water pump. Service water is used for polymer makeup system and for on-line polymer dilution. Contact water is used to produce service water. Depending on the quality of the contact water, the multimedia filters can be bypassed.

3 CONSTRUCTION AND COMMISSIONINGSUMMARY

3.1 CONSTRUCTION SCHEDULE

The construction upgrade and commissioning of the SETP was initiated in June 2020 and the ended in August 2021. Activities were completed according to the milestone dates shown in Table 1.

Table 1: Construction and Commissioning Milestone

Activities	**Timeline**
Start Construction	June 1st 2020
End of commissioning Actiflo	August 3rd 2020
All main equipment in place	December 31st 2020
End of commissioning Break Point chlorination	August 19th 2021
End of process commissioning & construction (piping completion and modification completed)	August 19th 2021

3.2 FIELD DECISIONS THAT DEVIATE FROM ORIGINAL DESIGN

No major variation from the original design were noted during the construction and modification of the SETP. Minor piping modification occurred to adjust to the field situation. A recirculation line from the GAC filters to SP1 was installed to commission the system.

3.3 AS BUILT DRAWINGS AND PHOTOGRAPHS

As-built documentation is presented in Appendices A and B:

- As Built Drawings;
- Photographs.

APPENDIX A – As built drawings

NO. DESSIN
DRAWING NO. 65-681-205-200_R5

FORMAT ARCHD

65AAHH6800372C
65-680-205-003
65LSH
65-680-205-003
65ZSC6800753
65-680-205-003
65FIC6800154
65-680-205-001
CLARIFIER
65THI68001
65-680-205-001

150 -WPR- PC9 -0004
150 -BF12- 0031
150 -BF12- 0032
150 -BF12- 0033
681 150 -WSR- PC9 -8295
681 150 -WSR- PC1 -8294

100x150
100 -WPR- PC9 -0010
150x100
VSD
II 0060
HIK 0060
HK 0060
M
65PWA68109
SALINE POND #1
TRANSFER PUMP
14.9 kW

II 0065
HIK 0065
HK 0065
100 -WPR- PC9 -8451
75x100
65PWA68110
SALINE POND #2
TRANSFER PUMP
kW

SALINE POND #4

OUTSIDE BUILDING
INSIDE BUILDING

SUMP DISCHARGE AND OPTION FOR SALTMAKER
TO OPERATE IN BRINE MODE FOR POND VOLUME
REDUCTION

FEED TANK
24m3
(2X)
NE1
FIT MEASURES AND
TOTALIZES FLOW FROM
SALINE POND AND/OR MINE
SHAFT BRINE
LL 0401
LH 0401
LT 0401

VENDOR PACKAGE
SALTWORKS SALINE WATER TREATMENT PLANT
SEE VENDOR DRAWING FOR PFD/PID
METERED VIA TANK LEVEL
HIGH SOLUBILITY
BLOWDOWN
TANK
23m3
BRINE
BLOWDOWN
TOTE 1m3
SALTMAKER + POST TREATMENT
SYSTEM + SOLIDS MANAGEMENT
SYSTEM

KAH 0090
IL 0090
II 0090
HIK 0090
HK 0090
M
LSH 0091
681 80 -SSU- CC2 -0009

SALINE TREATED WATER PUMP
65PWA68003
65-680-205-006
680 100 -WST- PC1 -8488
100 -BF13- 0029
681 100 -WPR-PC11-0002
HT-FP
HDPE STEEL

ZA 0009
FY 0009
FV 0009
HIK 0009
S 4A/S
ZSO 0009
ZSC 0009
100
100 -WPR- CC2 -0003

UNDERGROUND

II 0005
HIK 0005
HK 0005
M
MINE SHAFT BRINE
ER 80 -WPR- CC2 -8241
80x
x100
681 100 -WPR- CC2 -8238
U/G A/G HT-FP
STEEL HDPE
65PWA68101A
BRINE UNDERGROUND
FEED PUMP #1 - LEVEL 200
kW

681 60 -WPR- CC2 -8239

II 0006
HIK 0006
HK 0006
M
681 100 -WPR- CC2 -8240
65PWA68101B
BRINE UNDERGROUND
FEED PUMP #2 - LEVEL 200
kW

HIK 0007
ZA 0007
ZSO 0007
S 4A/S
FY 0007
ZSC 0007
FV 0007
100

681 100 -WPR-PC11-0001

FALL 0008
FQI 0008
FI 0008
FIT 0008
FE 0008
HDPE STEEL
100x80
80x100
M
80
681 100 -WPR- CC2 -8237

LL 3231
LH 3231
LALL 3231
LT 3231
LOAD CELLS IN
PLANT MEASURES
WET MASS OF SOLIDS
NOT SALTWORKS SCOPE
PRESENTLY
TREATED WATER
TANK
24m3
(2X)
NE1
DRYING RACK
DRY SOLUTION WEIGHT
MEASUREMENT
SOLIDS REMOVAL
SUPERBAG

II 0020
HIK 0020
HK 0020
M
681 50 -WPR- CC2 -0005
50-BF14-0005
25-BA01-0006
D
50x25
25x40
65PWA68103A
TREATED WATER
FEED PUMP#1
kW
40-BA01-0008
40-CK05-0007

II 0025
HIK 0025
HK 0025
M
681 50 -WPR- CC2 -0007
50-BF14-0009
25-BA01-0010
D
65PWA68103B
TREATED WATER
FEED PUMP#2
kW
40-BA01-0012
40-CK05-0011
681 40 -WPR- CC2 -0008

PIT 0024
DI 15-BA01-0025
25x12.5
25-BA01-0030
HIK 0023
ZA 0023
ZSO 0023
S 4A/S
FY 0023
ZSC 0023
FV 0023
M
FE 3231
FIT 3231
FI 3231
100x40
HT-FP
681 40 -WPR-PC11-0006
CP1 POND
TREATED WATER DISCHARGE
HT-FP
681 100 -WPR-PC11-8262
UNDERGROUND

FAH 0080
YB 0080
YL 0080
FSH 0080
ER 25 -WES- PC1 -8263
25-BA17-0003
65SEM68101
STWP
SAFETY SHOWER #1

YB 0081
FAH 0081
YL 0081
FSH 0081
ER 25 -WES- PC1 -8265
25-BA17-0004
65SEM68102
STWP
SAFETY SHOWER #2

YB 0082
FAH 0082
YL 0082
FSH 0082
ER 25 -WES- PC1 -8264
25-BA17-0015
65SEM68103
STWP
SAFETY SHOWER #3

HIK 0008
ZA 0008
ZSO 0008
S 4A/S
FY 0008
ZSC 0008
FV 0008
100
STEEL HDPE
681 100 -WPR-PC11-0010
WATER STORAGE TANKS
65TNK58404/05
65-584-205-201

PLAN CLÉ
KEY PLAN

NOTES GÉNÉRALES / GENERAL NOTES

REGISTERED PROFESSIONAL ENGINEER
T. GENTY
LICENSEE
L4751
NT/NU

TEL QUE CONSTRUIT
AS BUILT
DATE : 2021-07-15
AGNICO EAGLE

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
5	2021-07-15	AS BUILT	S.P.	T.G.	
4	2020-05-12	ISSUED FOR CONSTRUCTION	S.P.	T.G.	
3	2019-06-31	AS BUILT	S.P.	E.L.	
2	2019-04-11	6528 – FOR CONSTRUCTION	S.P.	E.L.	
1	2019-03-21	6528 CHANGED	J.L.	S.P.	
0	2019-01-29	AS BUILT	S.P.	EL	

REVISIONS

TITRE / TITLE
AGNICO EAGLE – MELIADINE DIVISION
681 – WATER TREATMENT SYSTEM DESALT
205 – PIPING & INSTRUMENTATION DIAGRAM
SALINE WATER TREATMENT PLANT

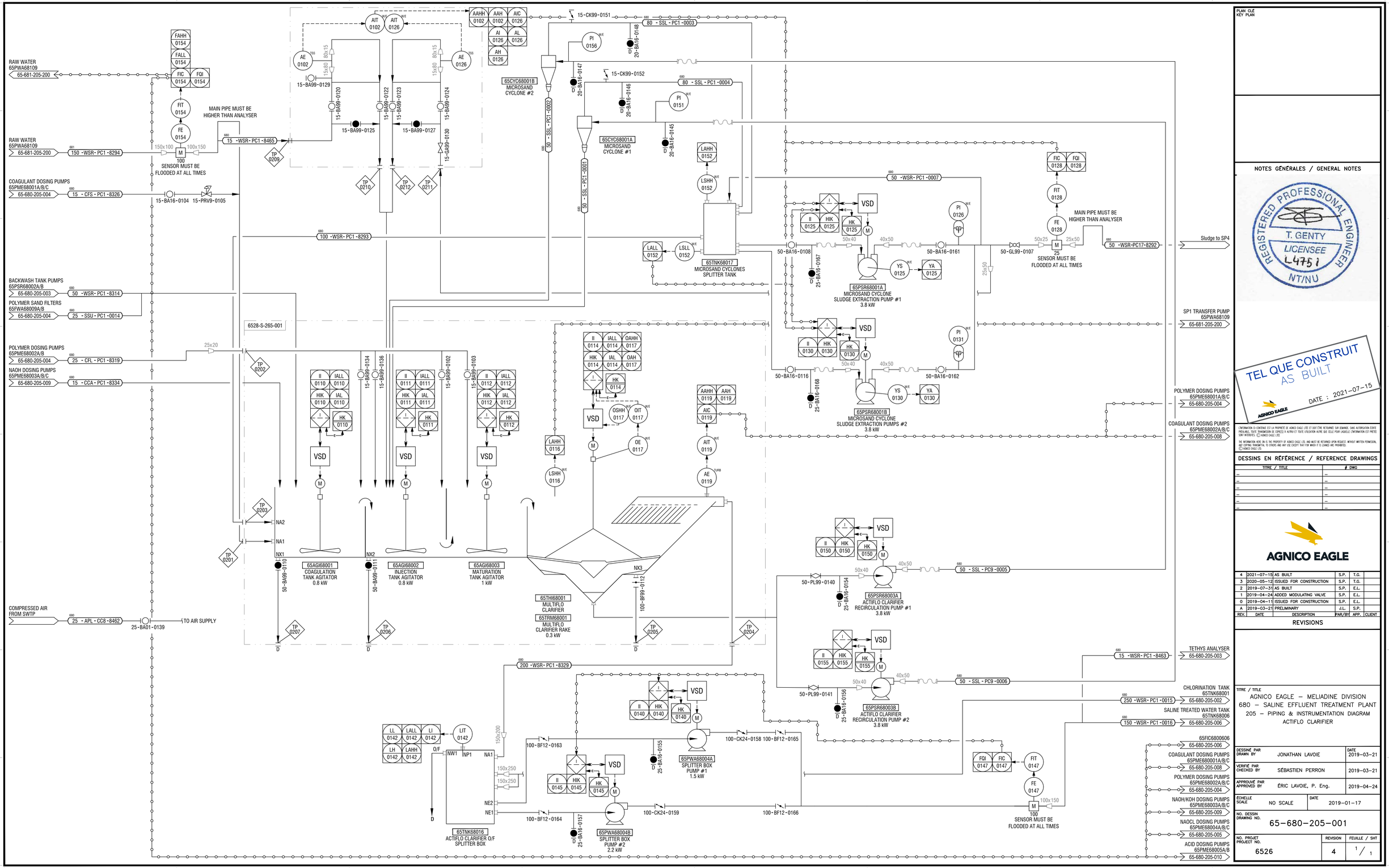
DESSINÉ PAR / DRAWN BY	JONATHAN LAVOIE	DATE 2018-04-12
VERIFIÉ PAR / CHECKED BY	SÉBASTIEN PERRON	2019-01-29
APPROUVÉ PAR / APPROVED BY	ÉRIC LAVOIE, P. Eng.	2019-04-11
ÉCHELLE / SCALE	NO SCALE	DATE 2018-04-12
NO. DESSIN / DRAWING NO.	65-681-205-200	
NO. PROJET / PROJECT NO.	6526	REVISION 5 / FEUILLE / SHT 1 / 1

AE-CART-ARCH D

FILE NO. 65-681-205-200_R5.dwg

NO. DESSIN
DRAWING NO. 65-680-205-001_R4

FORMAT ARCH D



PLAN CLÉ
KEY PLAN

NOTES GÉNÉRALES / GENERAL NOTES

REGISTERED PROFESSIONAL ENGINEER
T. GENTY
LICENSEE
L4751
NT/NU

TEL QUE CONSTRUIT
AS BUILT
DATE : 2021-07-15
AGNICO EAGLE

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
4	2021-07-15	AS BUILT	S.P.	T.G.	
3	2020-05-12	ISSUED FOR CONSTRUCTION	S.P.	T.G.	
2	2019-07-31	AS BUILT	S.P.	É.L.	
1	2019-04-24	ADDED MODULATING VALVE	S.P.	É.L.	
0	2019-04-11	ISSUED FOR CONSTRUCTION	S.P.	É.L.	
A	2019-03-21	PRELIMINARY	J.L.	S.P.	

REVISIONS

TITRE / TITLE
AGNICO EAGLE – MELIADINE DIVISION
680 – SALINE EFFLUENT TREATMENT PLANT
205 – PIPING & INSTRUMENTATION DIAGRAM
ACTIFLO CLARIFIER

DESSINÉ PAR DRAWN BY	JONATHAN LAVOIE	DATE 2019-03-21
VÉRIFIÉ PAR CHECKED BY	SÉBASTIEN PERRON	2019-03-21
APPROUVÉ PAR APPROVED BY	ÉRIC LAVOIE, P. Eng.	2019-04-24
ÉCHELLE SCALE	NO SCALE	DATE 2019-01-17
NO. DESSIN DRAWING NO.	65-680-205-001	
NO. PROJET PROJECT NO.	6526	REVISION 4 / FEUILLE / SHT 1 / 1

AE-CART-ARCH D

FILE NO. 65-680-205-001_R4.dwg

NO. DESSIN
DRAWING NO. 65-680-205-002_R3

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65AAHH6800727 > 65-680-205-007
65AAHH6800737 > 65-680-205-007
65AAHH6807477 > 65-680-205-007

VENT
680 100 - VAL - PC1 - 8351
680 100 - VAL - PC1 - 8352
YY 0240
YS 0240
65FAN68001 CHLORINATION TANK EXHAUST FAN 0.8 kW

YB 0275
YL 0275B
YL 0275A
AE 0275 (E2)
AIT 0275
AI 0275
AAH 0275
AAHH 0275

GAC FILTERS
65FWA68002/04/06/08
65-680-205-007
680 150 - WSR - PC1 - 8302
150 - BF12 - 0217
100x150
50 - CK25 - 0202
VENT
LAHH 0243
LSHH 0243
LAHH 0242
LSHH 0242
LAHH 0241
LL 0241
LH 0241
LALL 0241
LIC 0241
LIT 0241

ACTIFLO O/F SPLITTER BOX
65TNK68016
65-680-205-001
680 250 - WSR - PC1 - 0015
NA6
NA8 NY10 NY11 NP9
NY10 NY11 NP9 NP8
NA7
NE3
NE4
NE1
150x250
150 - BF12 - 0221
150 - BF12 - 0215
DI 50 - BA16 - 0212 NX5
DI 50 - BA16 - 0213

65TNK68001 CHLORINATION TANK #1 6 m3
65TNK68013 CHLORINATION TANK #2 6 m3

680 150 - WSR - PC1 - 0009
680 150 - WSR - PC1 - 0008
680 150 - WSR - PC1 - 0011
680 150 - WSR - PC1 - 0010
HIK 0250 0250 0250
HIK 0265 0265 0265
M
150 - BF12 - 0211
150 - CK24 - 0210
150x65
100x150
150 - BF12 - 0209
65PWA68005 MIXING PUMP #1 18.7 kW
DI 50 - BA16 - 0216
DI 50 - BA16 - 0224
150x80
150 - BF12 - 0208
150 - CK24 - 0207
80x65
100x150
150 - BF12 - 0206
65PWA68006 MIXING PUMP #2 18.7 kW
DI 50 - BA16 - 0240

25x15
25 - CK25 - 0239
25 - BA16 - 0238
50x25
50 - WSR - PC1 - 8328
15 - BA16 - 0240
15 - WSR - PC1 - 8330
15 - CK25 - 0239
15 - BA16 - 0238
15 - CK25 - 0246
15 - BA16 - 0247
15 - WSR - PC1 - 0017
15 - CSA - PTFE - TUBE
15 - WSR - PC1 - 0021
15 - BA16 - 0244
25 - CK25 - 0243
25 - BA16 - 0242
40x25
50 - WSR - PC1 - 0022
680 15 - WSR - PC1 - 0023
680 15 - WSR - PC1 - 0024

AIC 0268
AIT 0268
TE 0268
AE 0268 (PH, T°)
AIC 0266
AIT 0266
AE 0266 (O2, TOT°)
AI 0264
AIT 0264
AE 0264 (O2)
DRAIN TO CLORINATION AREA SUMP PUMP

AIC 0288
AIT 0288
TE 0288
AE 0288 (PH, T°)
AIC 0286
AIT 0286
AE 0286 (O2, TOT°)
AI 0284
AIT 0284
AE 0284 (O2)
DRAIN TO CLORINATION AREA SUMP PUMP

VSD
HK 0245 0245
65PWA68001A CHLORINATED WATER PUMP #1 6.3 kW
HK 0250 0250
65PWA68001B CHLORINATED WATER PUMP #2 6.3 kW
HK 0255 0255
65PWA68002A CHLORINATED WATER PUMP #3 6.3 kW
HK 0260 0260
65PWA68002B CHLORINATED WATER PUMP #4 6.3 kW
150x80
80x40
680 80 - WSR - PC1 - 8284
80 - BF12 - 0225
40x80
80 - BF12 - 0223
80 - CK25 - 0222
680 80 - WSR - PC1 - 8486
680 80 - WSR - PC1 - 8286
80 - BF12 - 0204
80 - BF12 - 0203
80 - CK25 - 0232
680 80 - WSR - PC1 - 8457
680 80 - WSR - PC1 - 8279
80 - BF12 - 0220
80 - BF12 - 0218
80 - CK25 - 0219
680 80 - WSR - PC1 - 8281
680 80 - WSR - PC1 - 8282
80 - BF12 - 0231
80 - BF12 - 0229
80 - CK25 - 0230
680 80 - WSR - PC1 - 8283
80 - BF12 - 0233
80 - BF12 - 0234
80 - BF12 - 0226
80 - BF12 - 0227
80 - BF12 - 0228

50 - BF12 - 9207
15 - BA16 - 9240
50 - BF12 - 9202
50 - BF12 - 9253
65FWA68001A BAG FILTER #1 50 MICRONS
PI 0301
PI 0302
50 - BF12 - 9218
50 - BF12 - 9206
65FWA68001B BAG FILTER #2 25 MICRONS
PI 0306
PI 0307
50 - BF12 - 9232
50 - BF12 - 9251
50 - BF12 - 9254
65FWA68001C BAG FILTER #3 5 MICRONS
PI 0311
PI 0312
15 - BA16 - 9246
50 - BF12 - 9252
50 - BF12 - 9201
GAC FILTER #1 65FWA68002A 65-680-205-007
DRAIN TO SUMP
50 - BF12 - 9255

50 - BF12 - 9249
15 - BA16 - 9251
65FWA68003A BAG FILTER #4 50 MICRONS
PI 0251A
PI 0251B
50 - BF12 - 9255
50 - BF12 - 9250
65FWA68003B BAG FILTER #5 25 MICRONS
PI 0252A
PI 0252B
50 - BF12 - 9260
65FWA68003C BAG FILTER #6 5 MICRONS
PI 0253A
PI 0254B
15 - BA16 - 9261
50 - BF12 - 9263
50 - BF12 - 9265
GAC FILTER #3 65FWA68004A 65-680-205-007
DRAIN TO SUMP
50 - BF12 - 9264

50 - BF12 - 9266
15 - BA16 - 9268
65FWA68005A BAG FILTER #7 50 MICRONS
PI 0256A
PI 0256B
50 - BF12 - 9272
50 - BF12 - 9267
65FWA68005B BAG FILTER #8 25 MICRONS
PI 0257A
PI 0257B
50 - BF12 - 9277
65FWA68005C BAG FILTER #9 5 MICRONS
PI 0258A
PI 0258B
15 - BA16 - 9278
50 - BF12 - 9280
50 - BF12 - 9282
GAC FILTER #5 65FWA68006A 65-680-205-007
DRAIN TO SUMP
50 - BF12 - 9281

50 - BF12 - 9283
15 - BA16 - 9285
65FWA68007A BAG FILTER #10 50 MICRONS
PI 0261A
PI 0261B
50 - BF12 - 9289
50 - BF12 - 9284
65FWA68007B BAG FILTER #11 25 MICRONS
PI 0262A
PI 0262B
50 - BF12 - 9294
65FWA68007C BAG FILTER 12 5 MICRONS
PI 0263A
PI 0263B
15 - BA16 - 9295
50 - BF12 - 9297
50 - BF12 - 9299
GAC FILTER #7 65FWA68008A 65-680-205-007
DRAIN TO SUMP
50 - BF12 - 9298

LSH 0291
M
65PPU68001 CHLORATION AREA SUMP PUMP 0.56 kW
50 - CK25 - 0236
50 - BA16 - 0237

NaOCl DOSING PUMPS 65PME68004C > 65-680-205-005
NaOH DOSING PUMPS 65PME68003A > 65-680-205-009
ACID 65PME68005A > 65-680-205-010
NaOH DOSING PUMPS 65PME68003C > 65-680-205-009
NaOCl DOSING PUMP 65PME68004A/B > 65-680-205-005

NAOH/KOH DOSING PUMPS 65SIC6800921/0931 > 65-680-205-003
ACID DOSING PUMPS 65SIC6801011/1021 > 65-680-205-003
NAOCL DOSING PUMP #3 65SIC6800531 > 65-680-205-003
NAOH/KOH DOSING PUMPS 65SIC6800911/0921 > 65-680-205-003
NAOCL DOSING PUMPS 65PME68004A/B > 65-680-205-003
CHLORINATION TANK 65TNK68001 > 65-680-205-002
680 50 - SSU - PC1 - 0012
TETHYS ANALYSER 680 15 - SSU - PC1 - 8297 > 65-680-205-003

PLAN CLÉ
KEY PLAN

REGISTERED PROFESSIONAL ENGINEER
T. GENTY
LICENSEE
L4751
NT/NU

TEL QUE CONSTRUIT
AS BUILT
DATE : 2021-07-15
AGNICO EAGLE

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
3	2021-07-15	AS BUILT	S.P.	T.G.	
2	2020-05-12	ISSUED FOR CONSTRUCTION	S.P.	T.G.	
1	2019-07-31	AS BUILT	S.P.	E.L.	
0	2019-04-11	ISSUED FOR CONSTRUCTION	S.P.	E.L.	
A	2019-03-21	PRELIMINARY	J.L.	S.P.	

REVISIONS

TITRE / TITLE
AGNICO EAGLE – MELIADINE DIVISION
680 – SALINE EFFLUENT TREATMENT PLANT
205 – PIPING & INSTRUMENTATION DIAGRAM
CHLORINATION TANKS

DESSINÉ PAR DRAWN BY	JONATHAN LAVOIE	DATE 2019-03-21
VERIFIÉ PAR CHECKED BY	SÉBASTIEN PERRON	2019-03-21
APPROUVÉ PAR APPROVED BY	ÉRIC LAVOIE, P. Eng.	2019-04-11
ÉCHELLE SCALE	NO SCALE	DATE 2019-01-17

NO. DESSIN DRAWING NO. 65-680-205-002

NO. PROJET PROJECT NO.	REVISION	FEUILLE / SHT
6526	3	1 / 1

AE-CART-ARCH D

FILE NO. 65-680-205-002_R3.dwg

NO. DESSIN
DRAWING NO. 65-680-205-007_R1

FORMAT ARCHD

BACKWASH WASTE WATER TANK
65TNK68002
680 100 -WSR- PC1 -8305 > 65-680-205-003

BAG FILTERS
65FWA68007A/B/C
> 65-680-205-002
680 80 -WST- PC1 -8283

BAG FILTERS
65FWA68005A/B/C
> 65-680-205-002
680 80 -WST- PC1 -8281

BAG FILTERS
65FWA68003A/B/C
> 65-680-205-002
680 80 -WST- PC1 -8457

BAG FILTERS
65FWA68001A/B/C
> 65-680-205-002
100 80 -WST- PC1 -8486

65FWA68002A GAC FILTER #1
65FWA68004A GAC FILTER #3
65FWA68006A GAC FILTER #5
65FWA68008A GAC FILTER #7
65FWA68002B GAC FILTER #2
65FWA68004B GAC FILTER #4
65FWA68006B GAC FILTER #6
65FWA68008B GAC FILTER #8

80-BF12-0700 80-BF12-0701 80-BF12-0702 80-BF12-0703 80-BF12-0704 80-BF12-0705 80-BF12-0706 80-BF12-0707 80-BF12-0708 80-BF12-0709
80-BF12-0725 80-BF12-0726 80-BF12-0727 80-BF12-0728 80-BF12-0729 80-BF12-0730 80-BF12-0731 80-BF12-0732 80-BF12-0733 80-BF12-0734
80-BF12-0750 80-BF12-0751 80-BF12-0752 80-BF12-0753 80-BF12-0754 80-BF12-0755 80-BF12-0756 80-BF12-0757 80-BF12-0758 80-BF12-0759
80-BF12-0775 80-BF12-0776 80-BF12-0777 80-BF12-0778 80-BF12-0779 80-BF12-0780 80-BF12-0781 80-BF12-0782 80-BF12-0783 80-BF12-0784

PI 0711A/B PI 0712A/B PI 0721A/B PI 0722A/B PI 0731A/B PI 0732A/B PI 0741A/B PI 0742A/B
50-BA16-0713 50-BA16-0716 50-BA16-0720 50-BA16-0723 50-BA16-0738 50-BA16-0741 50-BA16-0745 50-BA16-0748 50-BA16-0763 50-BA16-0766 50-BA16-0770 50-BA16-0773 50-BA16-0788 50-BA16-0791 50-BA16-0795 50-BA16-0798
15-BA16-0711 15-BA16-0712 15-BA16-0714 15-BA16-0715 15-BA16-0718 15-BA16-0719 15-BA16-0721 15-BA16-0722 15-BA16-0736 15-BA16-0737 15-BA16-0739 15-BA16-0740 15-BA16-0743 15-BA16-0744 15-BA16-0746 15-BA16-0747 15-BA16-0761 15-BA16-0762 15-BA16-0764 15-BA16-0765 15-BA16-0768 15-BA16-0769 15-BA16-0771 15-BA16-0772 15-BA16-0786 15-BA16-0787 15-BA16-0789 15-BA16-0790 15-BA16-0793 15-BA16-0794 15-BA16-0796 15-BA16-0797
80-BF12-0717 80-BF12-0724 80-BF12-0742 80-BF12-0749 80-BF12-0767 80-BF12-0774 80-BF12-0792 80-BF12-0799

AAHH 0717 AAH 0717 AI 0717 AIT 0717 AE 0717 FAH 0716 FAL 0716 FI 0716 FE 0716 FIT 0716
AAHH 0727 AAH 0727 AI 0727 AIT 0727 AE 0727 FAH 0726 FAL 0726 FI 0726 FE 0726 FIT 0726
AAHH 0737 AAH 0737 AI 0737 AIT 0737 AE 0737 FAH 0736 FAL 0736 FI 0736 FE 0736 FIT 0736
AAHH 0747 AAH 0747 AI 0747 AIT 0747 AE 0747 FAH 0746 FAL 0746 FI 0746 FE 0746 FIT 0746
"O2, TOT"
80x25 25x80 80x40 50x40 50 W 15 150x80

SENSOR MUST BE FLOODED AT ALL TIMES

80-BF12-0710 80-BF12-0735 80-BF12-0760 80-BF12-0785

65AAHH6800372C
65-680-205-003

CHLORINATED WATER PUMP #1
65PWA68001A
65-680-205-002
CHLORINATED WATER PUMP #2
65PWA68001B
65-680-205-002
CHLORINATED WATER PUMP #3
65PWA68002A
65-680-205-002
CHLORINATED WATER PUMP #4
65PWA68002B
65-680-205-002

MAIN PIPE MUST BE HIGHER THAN ANALYSER

TETHYS ANALYSER
65EQM68001
25 -WST- PC1 -8289 > 65-680-205-003
25-BF12-9700

SALINE PUMP #1 TRANSFER PUMP
65PWA68109
> 65-681-205-200
I HIK 0753 ZA 0753 ZSO 0753 S A/S FY 0753 ZSC 0753 FV 0753

SALINE TREATED WATER TANK
65TNK68006
680 150 -WST- PC1 -8303 > 65-680-205-006
150

I HIK 0754 ZA 0754 ZSO 0754 S A/S FY 0754 ZSC 0754 FV 0754

CHLORINATION TANK
65TNK68001
680 150 -WSR- PC1 -8302 > 65-680-205-002
150

CHLORATION AREA SUMP PUMP
65PPU68001
680 25 -WFR- PC1 -0013 > 65-680-205-002

PLAN CLÉ
KEY PLAN

NOTES GÉNÉRALES / GENERAL NOTES

REGISTERED PROFESSIONAL ENGINEER
T. GENTY
LICENSEE
L4751
NT/NU

TEL QUE CONSTRUIT
AS BUILT
DATE : 2021-07-15
AGNICO EAGLE

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
1	2021-07-15	AS BUILT	S.P.	T.G.	
0	2020-05-12	ISSUED FOR CONSTRUCTION	S.P.	T.G.	

REVISIONS

TITRE / TITLE
AGNICO EAGLE – MELIADINE DIVISION
680 – SALINE EFFLUENT TREATMENT PLANT
205 – PIPING & INSTRUMENTATION DIAGRAM
GAC FILTERS

DESSINÉ PAR / DRAWN BY	SÉBASTIEN PERRON	DATE 2020-05-12
VERIFIÉ PAR / CHECKED BY	ÉRIC LAVOIE, P.Eng.	2020-05-12
APPROUVÉ PAR / APPROVED BY	THOMAS GENTY, P.Eng.	2020-05-12
ÉCHELLE / SCALE	NO SCALE	DATE 2020-05-12
NO. DESSIN / DRAWING NO.	65-680-205-007	
NO. PROJET / PROJECT NO.	6526	REVISION 1
		FEUILLE / SHT 1 / 1

AE-CART-ARCH D

FILE NO. 65-680-205-007_R1.dwg

NO. DESSIN
DRAWING NO. 65-680-205-006_R3

FORMAT ARCHD

SALINE CONTACT WATER POND
65-680-205-200

TO RAW WATER / Actiflo Feed
65-680-205-001

65FIC6800154
65-680-205-001

CONTACT WATER
65-693-205-200

ACID
65PME68005B
65-680-205-010

SPLITTER BOX PUMPS
65PWA68004A/B
65-680-205-001

GAC FILTERS
65FWA68002A
65-680-205-003

65FWA68010A PUMPING STATION FILTER #1 10 MICRONS
65FWA68010B PUMPING STATION FILTER #2 10 MICRONS
65FWA68010C PUMPING STATION FILTER #3 10 MICRONS
65FWA68010D PUMPING STATION FILTER #4 10 MICRONS
65FWA68010E PUMPING STATION FILTER #5 10 MICRONS

SENSOR MUST BE FLOODED AT ALL TIMES

SENSORS MUST BE FLOODED AT ALL TIMES

100 SENSOR MUST BE FLOODED AT ALL TIMES

65TNK68006
SALINE TREATED WATER TANK
5 m3

65PWA68003
SALINE TREATED WATER PUMP
5.6 kW

65PSU68001A
PUMPING STATION PUMP #1
11.2 kW

65PSU68001B
PUMPING STATION PUMP #2
11.2 kW

SP3 POND

TANKER TRUCK
38 000 L

STORAGE TANK ITIVIA
65TNK16001
65-180-205-001

65SIC6801021
65-680-205-010

SP1 POND
65-681-205-200

SP1 POND
65-681-205-200

PLAN CLÉ
KEY PLAN

NOTES GÉNÉRALES / GENERAL NOTES

REGISTERED PROFESSIONAL ENGINEER
T. GENTY
LICENSEE
L4751
NT/NU

TEL QUE CONSTRUIT
AS BUILT
DATE : 2021-07-15
AGNICO EAGLE

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
3	2021-07-15	AS BUILT	S.P.	T.G.	
2	2020-05-12	ISSUED FOR CONSTRUCTION	S.P.	T.G.	
1	2019-07-31	AS BUILT	S.P.	E.L.	
0	2019-04-11	ISSUED FOR CONSTRUCTION	S.P.	E.L.	
A	2019-03-21	PRELIMINARY	J.L.	S.P.	

REVISIONS

TITRE / TITLE
AGNICO EAGLE – MELIADINE DIVISION
680 – SALINE EFFLUENT TREATMENT PLANT
205 – PIPING & INSTRUMENTATION DIAGRAM
SP3 POND

DESSINÉ PAR / DRAWN BY	JONATHAN LAVOIE	DATE 2019-03-21
VÉRIFIÉ PAR / CHECKED BY	SÉBASTIEN PERRON	2019-03-21
APPROUVÉ PAR / APPROVED BY	ÉRIC LAVOIE, P. Eng.	2019-04-11
ÉCHELLE / SCALE	NO SCALE	DATE 2019-01-17

NO. DESSIN / DRAWING NO. 65-680-205-006

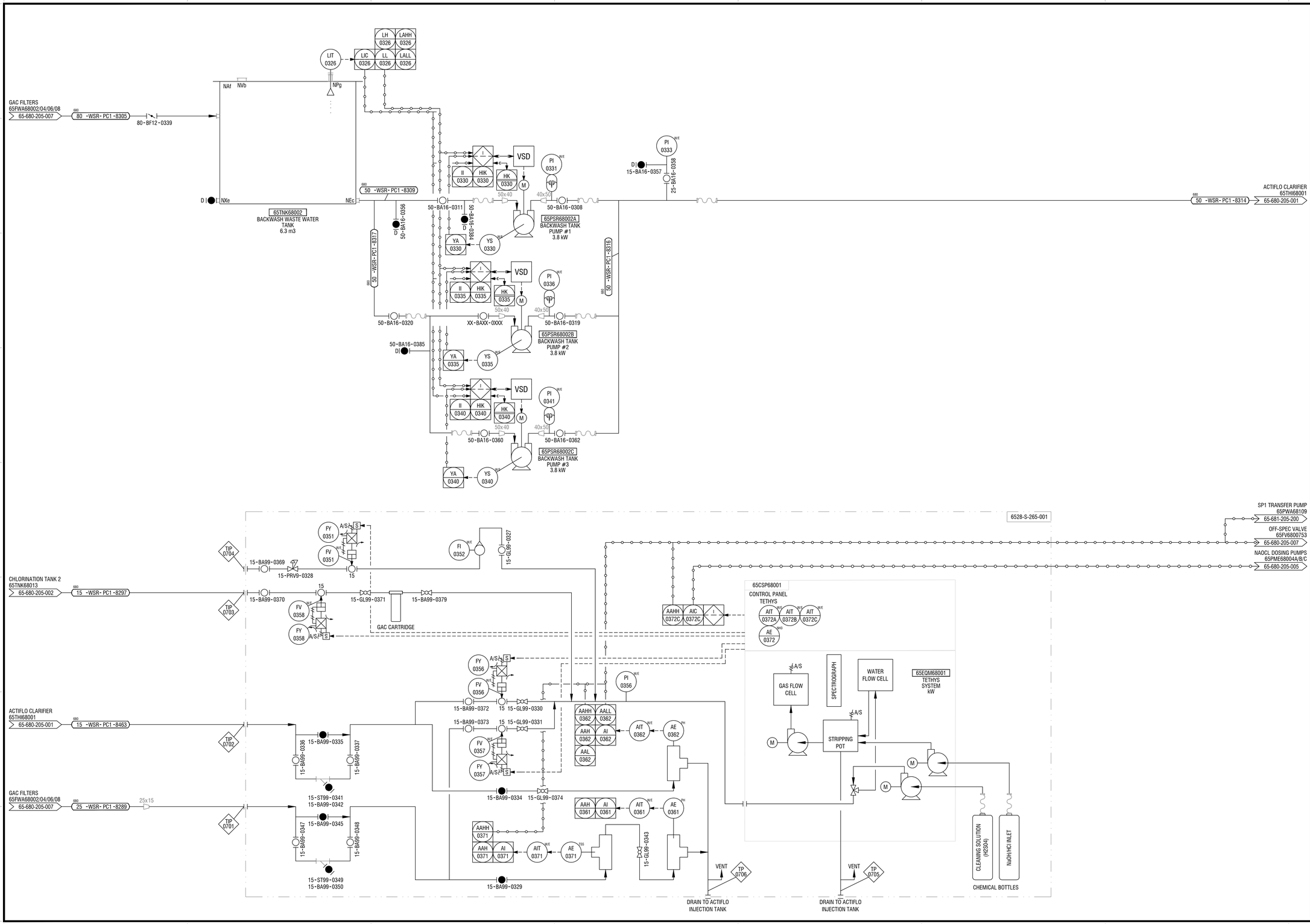
NO. PROJET / PROJECT NO.	REVISION	FEUILLE / SHT
6526	3	1 / 1

AE-CART-ARCH D

FILE NO. 65-680-205-006_R3.dwg

NO. DESSIN
DRAWING NO. 65-680-205-003_R3

FORMAT ARCHD



PLAN CLÉ
KEY PLAN

NOTES GÉNÉRALES / GENERAL NOTES

REGISTERED PROFESSIONAL ENGINEER
T. GENTY
LICENSEE
L475i
NT/NU

TEL QUE CONSTRUIT
AS BUILT
DATE : 2021-07-15
AGNICO EAGLE

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
3	2021-07-15	AS BUILT	S.P.	T.G.	
2	2020-05-12	ISSUED FOR CONSTRUCTION	S.P.	T.G.	
1	2019-07-31	AS BUILT	S.P.	E.L.	
0	2019-04-11	ISSUED FOR CONSTRUCTION	S.P.	E.L.	
A	2019-03-21	PRELIMINARY	J.L.	S.P.	

REVISIONS

TITRE / TITLE
AGNICO EAGLE – MEADOWBANK DIVISION
680 – SALINE EFFLUENT TREATMENT PLANT
205 – PIPING & INSTRUMENTATION DIAGRAM
BACKWASH TANK & TETHYS ANALYSER

DESSINÉ PAR / DRAWN BY	JONATHAN LAVOIE	DATE 2019-03-21
VÉRIFIÉ PAR / CHECKED BY	SÉBASTIEN PERRON	2019-03-21
APPROUVÉ PAR / APPROVED BY	ÉRIC LAVOIE, P. Eng.	2019-04-11
ÉCHELLE / SCALE	NO SCALE	DATE 2019-01-17

NO. DESSIN / DRAWING NO. 65-680-205-003

NO. PROJET / PROJECT NO.	REVISION	FEUILLE / SHT
6526	3	1 / 1

AE-CART-ARCH D

FILE NO. 65-680-205-003_R3.dwg

NO. DESSIN
DRAWING NO. 65-680-205-004_R3

FORMAT ARCH D

65FIC6800154
65-680-205-001
65AIC6800119
65-680-205-001

SWTP TREATED WATER PUMP
65PWA68107
65-693-205-200
680 50 -WFR-PC1-8321

50x25 50-BA16-0459
25x50 50-BA16-0457
50-BA16-0445
50x25 50-BA16-0458
25x50 50-BA16-0456
50-BA16-0446

65FWA68009A
POLYMER
SAND FILTER #1

65FWA68009B
POLYMER
SAND FILTER #2

M
TO INSTRUMENTS
65COM68001
SETP
AIR COMPRESSOR
2.2 kW

ACTIFLO CLARIFIER
65THI68001
680 25 -WFR-PC1-0014 65-680-205-001

PIC 0402
PIT 0402
XX-BA16-0XXX
20-RV99-0453
25x20
HK 0466
HIK 0466
YY 0466
FY 0466
FI 0467
20x15
15-BA16-0440
32x15
15-RV99-0441
15-GL99-0442
S
15
15x25
15-CK25-0443
680 25 -CFL-PC1-8319 65-680-205-001
AFTIFLO CLARIFIER
65THI68001

NY1
D 50-BA16-0468 NX1
NE1 100-BF12-0469
100x50
680 50 -WFR-PC1-8318
65TNK68019
POLYMER
WATER TANK #2
6 m3

50x25 NAc
O/F
NWe
D
50-BA16-0470 NEg
NEf
65TNK68018
POLYMER
WATER TANK #1
0.68 m3
25-BA16-0454
25x50
65PWA6808
POLYMER
BOOSTER PUMP
3.7 kW
32-CK25-0455
32-BA16-0451
32x25
65WHE68001
POLYMER
HEATED TANK
0.45 m3/18 kW
25-GL99-0449
TI 0319

II 0485 HIK 0485 HK 0485 VSD M

HIK 0440 HK 0440 YY 0430 HIK 0430 HK 0430
YS 0441 YS 0440 YY 0440
M
ADAPTER
HOPPER
VOLUMETRIC FEEDER
LAL 0432
LSL 0432
65CVI68001
POLYMER VACUUM
CONVEYOR
kW
65HOP68004
POLYMER
LOADING HOPPER
65HOP68001
POLYMER
WETTING CONE
DRY POLYMER
65FED68001
POLYMER
SCREW FEEDER
0.4 kW

PAL 0432
HIK 0433
FY 0433
PSL 0432
S
25x6
25x6
TIP 0901
680 25 -WFR-PC1-8320
15x10
15-BA16-0419
15x10
15-RV99-0418
680 25 -WFR-PC1-8322
25
FV 0434
FY 0434
S/V
HIK 0434
65PSO68001
POLYMER
TRANSFER JET PUMP
40-BA16-0432
NA1
NW1

HIK 0435 HK 0435
YY 0435 YS 0435 YS 0436
M

LH 0442 LAHH 0442
LI 0442 LL 0442 LALL 0442
LAHH 0447
LALL 0447 LH 0447
LI 0447 LL 0447
LT 0442
LT 0447
NE1
NP1
65CUV68002
POLYMER
MATURATION TANK
0.5 m3
65AGI68008
POLYMER MATURATION
TANK AGITATOR
0.6 kW

FV 0443
A/S
S
FY 0443
HIK 0443
40-BA16-0426
50
D
TIP 0903
680 50 -CFL-PC1-8323
NW1 NA1
65TSO68002
POLYMER
DOSAGE TANK
0.73 m3

65PLC68002
POLYMER
MAKE-UP PLC
YS 0447
LSLL 0447
ALARM

WATER SUPPLY
680 25 -WES-PC1-8472
25-BA16-0439
65SEM68002
POLYMER AREA
SAFETY SHOWER

XX-BA16-0XXX
40-BA16-0435
6528-S-265-001

TAH 0471 HIK 0470 HK 0470 VSD M TE 0471
PI 0477
25-RV99-0462
TIP 2107
TIP 2108
25-BA16-0460
25-BA16-0461
65PME68002C
POLYMER
DOSING PUMP #3
0.4 kW
25x15
15-BA16-0466
25-RV99-0463
D
15-BA16-0467
TIP 2106
40x25
25-BA16-0464
25-BA16-0465

TAH 0451 HIK 0450 HK 0450 VSD M TE 0451
PI 0457
25-RV99-0420
25-BA16-0402
PI 0467
25-RV99-0422
25-BA16-0444
TE 0461 HIK 0460 HK 0460 VSD TAH 0461 HIK 0460 II 0460
65PME68002A
POLYMER
DOSING PUMP #1
0.4 kW
25x15
15-BA99-0423
15x25
15-BA99-0424
65PME68002B
POLYMER
DOSING PUMP #2
0.4 kW
25-RV99-0421
25-RV99-0431
D
15-BA16-0430
D
15-BA16-0425
25-BA16-0436
25-BA16-0434
40x25
25-BA16-0433
25-BA16-0429
NE2
40-BA99-0427
D
25-BA99-0437
NE1
40-BA16-0428

PLAN CLÉ
KEY PLAN

NOTES GÉNÉRALES / GENERAL NOTES

REGISTERED PROFESSIONAL ENGINEER
T. GENTY
LICENSEE
L4751
NT/NU

TEL QUE CONSTRUIT
AS BUILT
DATE : 2021-07-15
AGNICO EAGLE

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
3	2021-07-15	AS BUILT	S.P.	T.G.	
2	2020-05-12	ISSUED FOR CONSTRUCTION	S.P.	T.G.	
1	2019-07-31	AS BUILT	S.P.	E.L.	
0	2019-04-11	ISSUED FOR CONSTRUCTION	S.P.	E.L.	
A	2019-03-21	PRELIMINARY	J.L.	S.P.	

REVISIONS

TITRE / TITLE
AGNICO EAGLE – MELIADINE DIVISION
680 – SALINE EFFLUENT TREATMENT PLANT
205 – PIPING & INSTRUMENTATION DIAGRAM
POLYMER

DESSINÉ PAR / DRAWN BY	JONATHAN LAVOIE	DATE 2019-03-21
VÉRIFIÉ PAR / CHECKED BY	SÉBASTIEN PERRON	2019-03-21
APPROUVÉ PAR / APPROVED BY	ÉRIC LAVOIE, P. Eng.	2019-04-11
ÉCHELLE / SCALE	NO SCALE	DATE 2019-01-17

NO. DESSIN / DRAWING NO. 65-680-205-004

NO. PROJET / PROJECT NO.	REVISION	FEUILLE / SHT
6526	3	1 / 1

AE-CART-ARCH D

FILE NO. 65-680-205-004_R3.dwg

NO. DESSIN
DRAWING NO. 65-680-205-005_R4

FORMAT ARCHD

65FIC6800154 > 65-680-205-001
65AIC6800284 > 65-680-205-002
65AIC6800286 > 65-680-205-002
65AIC6800372C > 65-680-205-002

WATER SUPPLY
680 25 -WES-PC1-8475
25-BA16-0540
65SEM68004 CHLORINE SYSTEM SAFETY SHOWER

6528-S-265-001

680 25 -CCH-PC1-8329
680 25 -CCH-PC1-8479
680 25 -CCH-PC1-8480
15x25 15-GL99-0544
TIP 1205
TIP 1204
TIP 1203
TIP 1202

PI 0554 W/E
40-BA16-0531
TIP 1206
40-RV99-0523
40-BA16-0532
40-RV99-0533
40-BA16-0520
40-BA16-0524
40-RV99-0525
PI 0553 W/E
PI 0557 W/E
40-BA16-0534
40-BA16-0535
15-BA16-0536
15-BA16-0537
D 15-BA16-0541
D 15-BA16-0542
65PME68004A SODIUM HYPOCHLORITE DOSING PUMP #1 0.8 kW
65PME68004B SODIUM HYPOCHLORITE DOSING PUMP #2 0.8 kW
VSD M HK 0550 I HIK 0550 II 0550
VSD M HK 0555 I HIK 0555 II 0555
YA 0552 YS 0552 W/E
YA 0556 YS 0556 W/E
40-BA09-0529
40-BA16-0548
40-BA16-0521
40-BA16-0522
40-BA16-0526
40-BA16-0527

FIC 0549 FQI 0549
FIT 0549
FE 0549
50x15 15x50 680 M 15 x 6 SENSOR MUST BE FLOODED AT ALL TIMES
50 -CCH-PC1-0022
CHLORINATION TANK #2 65TNK68013
65-680-205-002
50-BA16-0519
680 25 -CCH-PC1-8328
CHLORINATION TANK #1 65TNK68001
65-680-205-002

6526-S-265-602

PI 0564 W/E
40-BA16-0550
40-RV99-0559
40-BA16-0558
40-BA16-0557
40-BA16-0556
40-RV99-0555
D 15-BA16-0552
65PME68004C SODIUM HYPOCHLORITE DOSING PUMP #3 0.8 kW
SDA 0562 SIC 0561
SC 0561 W/E ST 0561 W/E M
40-BA16-0558
40-BA16-0551
50x40

LSLL 0545 W/E
LALL 0545
65TNK68011 SODIUM HYPOCHLORITE TOTE 1 m3
65TNK68012 SODIUM HYPOCHLORITE TOTE 1 m3
20-BA16-0530
20-BA16-0538
D 20-BA16-0543
BUILDING LINER
680 50 -CCH-PC1-8327
TIP 1201
40-BA16-0509

65FIC6800154 > 65-680-205-001
65AIC6800264 > 65-680-205-002
65AIC6800266 > 65-680-205-002
65AIC6800372C > 65-680-205-002

PLAN CLÉ
KEY PLAN

NOTES GÉNÉRALES / GENERAL NOTES

REGISTERED PROFESSIONAL ENGINEER
T. GENTY
LICENSEE
L4751
NT/NU

TEL QUE CONSTRUIT
AS BUILT
DATE : 2021-07-15
AGNICO EAGLE

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
4	2021-07-15	AS BUILT	S.P.	T.G.	
3	2020-05-20	ISSUED FOR CONSTRUCTION	S.P.	T.G.	
2	2019-07-31	AS BUILT	S.P.	É.L.	
1	2019-04-24	CHLORINATION SYSTEM MODIF.	S.P.	É.L.	
0	2019-04-11	ISSUED FOR CONSTRUCTION	S.P.	É.L.	
A	2019-03-21	PRELIMINARY	J.L.	S.P.	

REVISIONS

TITRE / TITLE
AGNICO EAGLE – MELIADINE DIVISION
680 – SALINE EFFLUENT TREATMENT PLANT
205 – PIPING & INSTRUMENTATION DIAGRAM
SODIUM HYPOCHLORITE

DESSINÉ PAR / DRAWN BY	JONATHAN LAVOIE	DATE 2019-03-21
VERIFIÉ PAR / CHECKED BY	SÉBASTIEN PERRON	2019-03-21
APPROUVÉ PAR / APPROVED BY	ÉRIC LAVOIE, P. Eng.	2019-04-24
ÉCHELLE / SCALE	NO SCALE	DATE 2019-01-29
NO. DESSIN / DRAWING NO.	65-680-205-005	
NO. PROJET / PROJECT NO.	6526	REVISION 4 / FEUILLE / SHT 1 / 1

AE-CART-ARCH D

FILE NO. 65-680-205-005_R4.dwg

NO. DESSIN
DRAWING NO. 65-680-205-008_R1

FORMAT ARCHD

65FIC68000154
65-680-205-001
65AIC6800119
65-680-205-001

WATER SUPPLY
680 25 - WES - PC1 - 8473
25-BA16-0838
65SEM68001
COAGULANT AREA SAFETY SHOWER
NOT INSTALLED. EYES WASH

15-BA16-0808
65TNK68003
COAGULANT TOTE 1m3
50-BA16-0530
65TNK68007
COAGULANT TOTE m3
50-BA16-0829
680 50 - CFS - PC1 - 8325
50x15

TIP 1905
680 15 - CFS - PC1 - 8324
TIP 1902
TIP 1903
TIP 1904
15-BA16-0814
15-BA16-0801
LSLL 0811 W/E
LSLL 0821 W/E
LSLL 0831 W/E
15-BA16-0815
15-BA16-0808
SDA 0412
SIC 0811
M
SC 0811 W/E
ST 0811 W/E
15-RV99-0803
15-BA16-0807
15-BA16-0817
15-BA16-0819
TIP 1911
680 15 - CFS - PC1 - 8326
65-680-205-001
ACTIFLO CLARIFIER 65THI68001

TIP 1901
15-BA16-0805
15-BA16-0816
65PME68001A
COAGULANT DOSING PUMP #1 0.024 kW
SDA 0822
SIC 0821
15-BA16-0811
15-BA16-0812
15-RV99-0810
15-BA16-0813
65PME68001B
COAGULANT DOSING PUMP #2 0.024 kW
15-BA16-0826

6528-S-265-001

6526-S-265-602

TIP 1909
TIP 1908
TIP 1907
15-BA16-0829
15-BA16-0823
15-BA16-0822
15-BA16-0820
TIP 1906
SDA 0832
SIC 0831
M
SC 0831
ST 0831
65PME68001C
COAGULANT DOSING PUMP #3 0.024 kW
15-RV99-0821
15-BA16-0827
PI 0828 W/E
15-RV99-0828
15-BA16-0825
TIP 1910
15-BA16-0830

PLAN CLÉ
KEY PLAN

NOTES GÉNÉRALES / GENERAL NOTES

REGISTERED PROFESSIONAL ENGINEER
T. GENTY
LICENSEE
L4751
NT/NU

TEL QUE CONSTRUIT
AS BUILT
DATE : 2021-07-15
AGNICO EAGLE

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
1	2021-07-15	AS BUILT	S.P.	T.G.	
0	2020-05-12	ISSUED FOR CONSTRUCTION	S.P.	T.G.	

REVISIONS

TITRE / TITLE
AGNICO EAGLE – MEL IADINE DIVISION
680 – SALINE EFFLUENT TREATMENT PLANT
205 – PIPING & INSTRUMENTATION DIAGRAM
COAGULANT

DESSINÉ PAR / DRAWN BY	SÉBASTIEN PERRON	DATE 2020-05-12
VÉRIFIÉ PAR / CHECKED BY	ÉRIC LAVOIE, P.Eng.	2020-05-12
APPROUVÉ PAR / APPROVED BY	THOMAS GENTY, P.Eng.	2020-05-12
ÉCHELLE / SCALE	NO SCALE	DATE 2020-05-12
NO. DESSIN / DRAWING NO.	65-680-205-008	
NO. PROJET / PROJECT NO.	6526	REVISION 1 / FEUILLE / SHT 1 / 1

AE-CART-ARCH D

FILE NO. 65-680-205-008_R1.dwg

NO. DESSIN
DRAWING NO. 65-680-205-009_R1

FORMAT ARCHD

65AIC6800288
65-680-205-005
65FIC6800154
65-680-205-001

WATER SUPPLY
680 25 -WES-PC1-8474
25-BA16-0939
65SEM68003
NaOH AREA
SAFETY SHOWER
NOT INSTALLED

65TNK68004
NaOH
TOTE
1m3

20-BA16-0926

65TNK68008
NaOH
TOTE
m3

NOT INSTALLED

20-BA16-0900
20-BA16-0901

680 15 -CCA-PC1-8331
680 15 -CCA-PC1-8350
680 25 -CCA-PC1-8332

TIP 1105
TIP 1104
TIP 1101

15-BA16-0926
15-BA16-0909
15-BA16-0908
15-BA16-0903

LSLL 0911 W/E
LSLL 0921 W/E
LSLL 0931 W/E

6525-S-265-602

15-BA16-0913

SDA 0912
SIC 0912
M SC 0911 W/S ST 0911 W/E
15-RV99-0911

PI 0927 W/E
15-RV99-0915
TIP 2204

680 15 -CCA-PC1-8330 → 65-680-205-002
CHLORINATION TANK
65TNK68001
ACTIFLO CLARIFIER
65THI68001
680 15 -CCA-PC1-8334 → 65-680-205-002

25x20
20-BA16-0902
15-BA16-0910
15-BA16-0912

65PME68003A
NaOH
DOSING PUMP #1
0.024 kW

15-BA16-0919

SDA 0922
SIC 0922
M SC 0921 W/S ST 0921 W/E
15-RV99-0917

25x20
20-BA16-0904
15-BA16-0905
15-BA16-0916
15-BA16-0918

65PME68003B
NaOH
DOSING PUMP #2
0.024 kW

15-BA16-0923

SDA 0932
SIC 0932
M SC 0931 W/S ST 0931 W/E
15-RV99-0921

PI 0527 W/E
15-RV99-0925
TIP 2205

25x20
20-BA16-0906
15-BA16-0907
15-BA16-0920
15-BA16-0922
15-BA16-0924

680 15 -CCA-PC1-0021 → 65-680-205-002
CHLORINATION TANK
65TNK68013

65PME68003C
NaOH
DOSING PUMP #3
0.024 kW

65AIC6800288
65-680-205-005
65FIC6800154
65-680-205-001

PLAN CLÉ
KEY PLAN

NOTES GÉNÉRALES / GENERAL NOTES

REGISTERED PROFESSIONAL ENGINEER
T. GENTY
LICENSEE
L4751
NT/NU

TEL QUE CONSTRUIT
AS BUILT
DATE : 2021-07-15
AGNICO EAGLE

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
1	2021-07-15	AS BUILT	S.P.	T.G.	
0	2020-05-12	ISSUED FOR CONSTRUCTION	S.P.	T.G.	

REVISIONS

TITRE / TITLE
AGNICO EAGLE – MEL IADINE DIVISION
680 – SALINE EFFLUENT TREATMENT PLANT
205 – PIPING & INSTRUMENTATION DIAGRAM
NAOH/KOH

DESSINÉ PAR / DRAWN BY	SÉBASTIEN PERRON	DATE 2020-05-12
VÉRIFIÉ PAR / CHECKED BY	ÉRIC LAVOIE, P.Eng.	2020-05-12
APPROUVÉ PAR / APPROVED BY	THOMAS GENTY, P.Eng.	2020-05-12
ÉCHELLE / SCALE	NO SCALE	DATE 2020-05-12

NO. DESSIN / DRAWING NO. 65-680-205-009

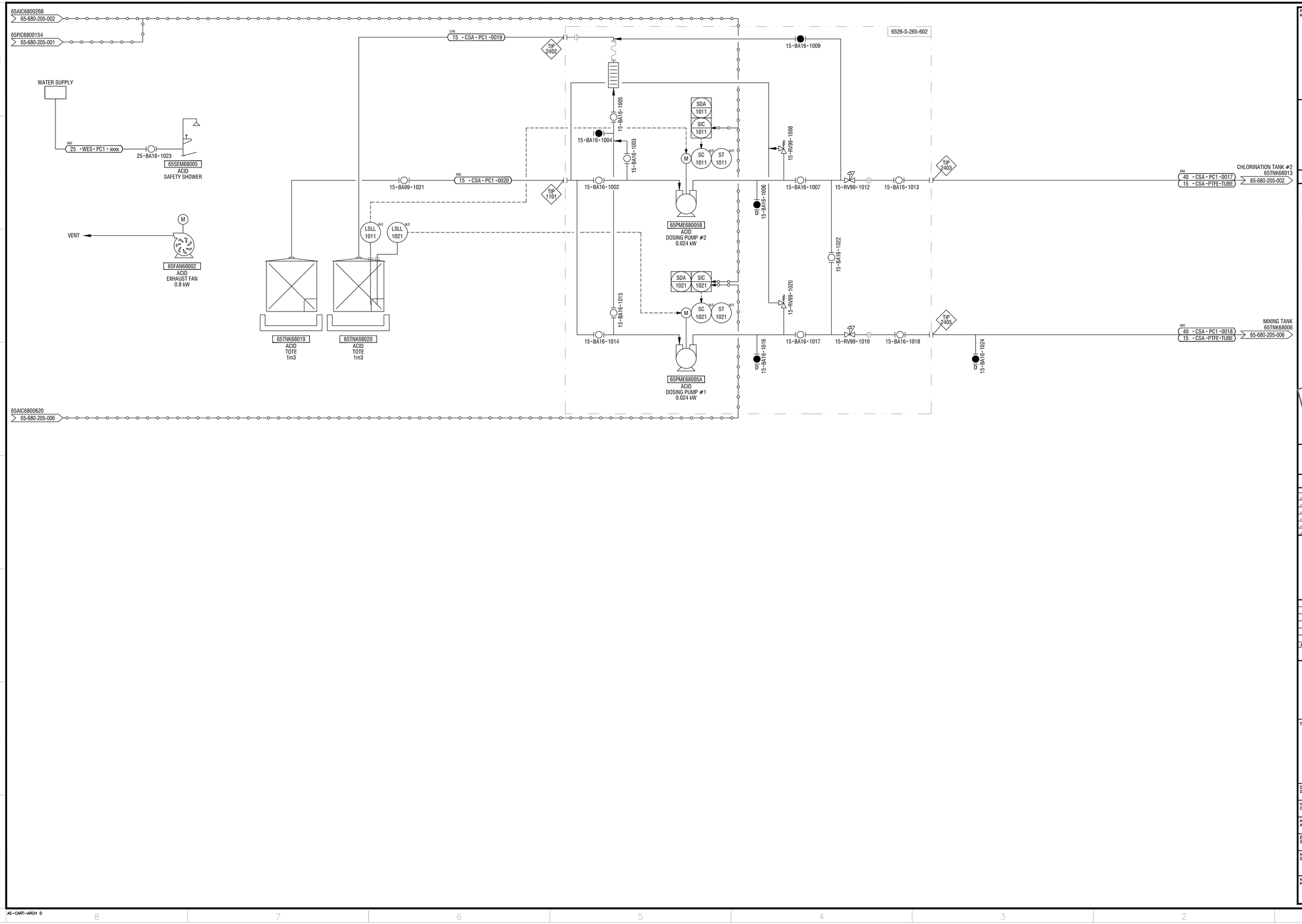
NO. PROJET / PROJECT NO.	REVISION	FEUILLE / SHT
6526	1	1 / 1

AE-CART-ARCH D

FILE NO. 65-680-205-009_R1.dwg

NO. DESSIN
DRAWING NO. 65-680-205-010_R1

FORMAT ARCHD



PLAN CLÉ
KEY PLAN

NOTES GÉNÉRALES / GENERAL NOTES

REGISTERED PROFESSIONAL ENGINEER
T. GENTY
LICENSEE
L4751
NT/NU

TEL QUE CONSTRUIT
AS BUILT
DATE : 2021-07-15
AGNICO EAGLE

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
1	2021-07-15	AS BUILT	S.P.	T.G.	
0	2020-05-12	ISSUED FOR CONSTRUCTION	S.P.	T.G.	

REVISIONS

TITRE / TITLE
AGNICO EAGLE – MELIADINE DIVISION
680 – SALINE EFFLUENT TREATMENT PLANT
205 – PIPING & INSTRUMENTATION DIAGRAM
ACID

DESSINÉ PAR / DRAWN BY	SÉBASTIEN PERRON	DATE 2020-05-12
VÉRIFIÉ PAR / CHECKED BY	ÉRIC LAVOIE, P.Eng.	2020-05-12
APPROUVÉ PAR / APPROVED BY	THOMAS GENTY, P.Eng.	2020-05-12
ÉCHELLE / SCALE	NO SCALE	DATE 2020-05-12

NO. DESSIN / DRAWING NO. 65-680-205-010

NO. PROJET / PROJECT NO.	REVISION	FEUILLE / SHT
6526	1	1 / 1

AE-CART-ARCH D

FILE NO. 65-680-205-010_R1.dwg

Appendix B - Pictures

Actilfo

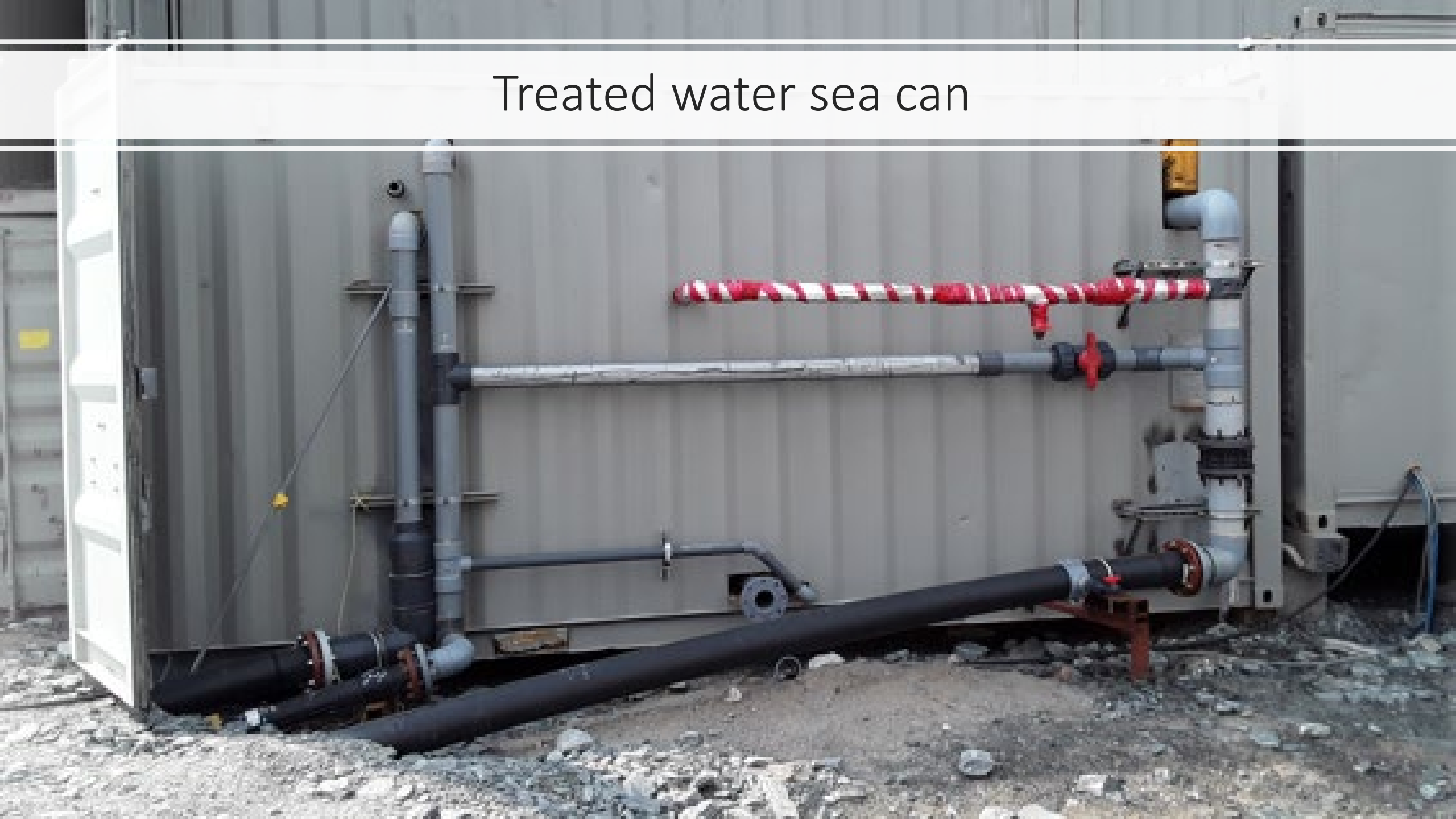
Recirculation pumps

Splitter box and chlorination reactors

Bag Filters

GAC Filters

Treated water sea can



Treated water tank

Coagulant dosing Skids

Polymer makedown and dosing skid

Caustic dosing Skid

Acid dosing skid

Hypochlorite dosing skids

Process water tank and filters