Winnipeg Sewage Treatment Program Integrated Management System

SEWPCC Facility Process Areas.

DOCUMENT NUMBER: CD-RC-RF-02

Rev	Prepared by	Reviewed by	Date	Approved by	Date
2014/04/02	Philippe Biesse	Bruno Valla	2014/04/02	Jackie Veilleux	2014/04/02

1. **INTRODUCTION:**
This document references the process areas for SEWPCC
Facility code 0102

2. **DOCUMENT MANAGEMENT:**

General Note to users:
The definition of process areas under SEWPCC is being revised during the design of the SEWPCC upgrading /expansion project. This list will be updated on a regular basis during the development of this project;

3. **FACILITY TABLE:**

   a. **Area Codes – SEWPCC**

Area Code	Description – Facilities
A	General or process area is not applicable
B	Service Building and Existing Chemical Storage Building
C	New Chemical Building, Electrical Building
D	Chlorine Contact Tank and Fermenters (old HPO tank), RDT Room
G	Headworks, including IPS, Grit and Screenings, associated Standby Generator
K	High Rate Clarification
M	Administration Building and Septage Facility
P	Primary Clarifiers
R	BioReactor (BNR), Blower Building
S	Secondary Clarifiers
T	Biofilter
U	UV Disinfection Facility
Y	Yard

   b. **Process Codes**

The Process Codes are designed to match the Appendix D of the Equipment Identification Standard as applicable as per the following table. Existing equipment identification number may not always match the tables below.

Rev 2014-04-09   Page 2 of 7

C:\Users\tturzak\Desktop\Cost Consultant\Bid Opportunity Documents\333-
2014_Appendix_A_SEWPCC_Facility_Process_Areas.doc

Typical Equipment Number Ranges – <u>SEWPCC Wastewater Treatment Facilities</u>

Area Code	Process Code	Description
B	0	General
	1	TBA
	2	TBA
	3	TBA
	4	TBA
	5	Building Services
	6	HVAC and Odour
	7	TBA
	8	TBA
	9	Miscellaneous including Communication and Security.

Area Code	Process Code	Description
C	0	General
	1	Ferric Chloride
	2	Sodium Hypochlorite
	3	Sodium Bisulphite
	4	Polymer
	5	Building Services
	6	HVAC and Odour
	7	TBA
	8	TBA
	9	Miscellaneous including Communication and Security.

C:\Users\tturzak\Desktop\Cost Consultant\Bid Opportunity Documents\333-2014_Appendix_A_SEWPCC_Facility_Process_Areas.doc

Area Code	Process Code	Description
D	0	General
	1	Chlorination
	2	Dechlorination
	3	Fermenter Tank, Mixing and Pumping
	4	RDT Thickening
	5	Building Services
	6	HVAC and Odour
	7	Sludge Storage Tank and Pumping
	8	TBA
	9	Miscellaneous including Communication and Security.

Area Code	Process Code	Description
G	0	General
	1	Raw Sewage Pumping
	2	Screenings
	3	Grit
	4	TBA
	5	Building Services
	6	HVAC and Odour
	7	TBA
	8	TBA
	9	Miscellaneous including Communication and Security.

	Process Code	Description
K	0	General
	1	Tanks and Mixing
	2	Sludge and Scum
	3	Ballast Systems
	4	Chemical Systems
	5	Building Services
	6	HVAC and Odour
	7	TBA
	8	TBA
	9	Miscellaneous including Communication and Security.

Area Code	Process Code	Description
M	0	General
	1	TBA
	2	TBA
	3	TBA
	4	TBA
	5	Building Services
	6	HVAC and Odour
	7	TBA
	8	TBA
	9	Miscellaneous including Communication and Security.

Area Code	Process Code	Description
P	0	General
	1	Tanks including Gates, Weirs and Chemical Dosing
	2	Sludge Systems
	3	Scum Systems
	4	Travelling Bridges
	5	Building Services
	6	HVAC and Odour
	7	TBA
	8	TBA
	9	Miscellaneous including Communication and Security.

C:\Users\tturzak\Desktop\Cost Consultant\Bid Opportunity Documents\333-2014_Appendix_A_SEWPCC_Facility_Process_Areas.doc

Area Code	Process Code	Description
R	0	General
	1	Tanks , Mixing and Chemicals
	2	Aeration Systems Pumping
	3	Pumping
	4	TBA
	5	Building Services
	6	HVAC and Odour
	7	TBA
	8	TBA
	9	Miscellaneous including Communication and Security.

Area Code	Process Code	Description
S	0	General
	1	Tanks and Chemicals
	2	Sludge System
	3	Scum System
	4	Sludge Holding Tanks and Loadout
	5	Building Services
	6	HVAC and Odour
	7	TBA
	8	TBA
	9	Miscellaneous including Communication and Security.

Area Code	Process Code	Description
T	0	General
	1	Foul Air System Pre-treatment
	2	BioFilters
	3	Exhaust System
	4	TBA
	5	Building Services
	6	HVAC and Odour
	7	TBA
	8	TBA
	9	Miscellaneous including Communication and Security.

C:\Users\tturzak\Desktop\Cost Consultant\Bid Opportunity Documents\333-
2014_Appendix_A_SEWPCC_Facility_Process_Areas.doc

Area Code	Process Code	Description
U	0	General
	1	Channel
	2	UV Equipment
	3	TBA
	4	TBA
	5	Building Services
	6	HVAC and Odour
	7	TBA
	8	TBA
	9	Miscellaneous including Communication and Security.

Area Code	Process Code	Description
Y	0	General
	1	TBA
	2	TBA
	3	TBA
	4	TBA
	5	Building Services
	6	HVAC and Odour
	7	TBA
	8	TBA
	9	Miscellaneous including Communication and Security.

Rev 2014-04-09   Page 7 of 7

C:\Users\tturzak\Desktop\Cost Consultant\Bid Opportunity Documents\333-
2014_Appendix_A_SEWPCC_Facility_Process_Areas.doc