

Part 1 General

1.1 WASTE MANAGEMENT GOALS

- .1 Minimize amount of non-hazardous solid waste generated by project and accomplish maximum source reduction, reuse and recycling of solid waste.
- .2 Protect environment and prevent environmental pollution damage.

1.2 RELATED REQUIREMENTS

- .1 Section 01 74 11 – Cleaning
- .2 Section 02 41 16.01 – Structure demolition – short form
- .3 Section 35 20 23 – Dredging

1.3 REFERENCES

- .1 Definitions:
 - .1 **Construction, Renovation and/or Demolition (CRD) Waste:** Class III solid, non-hazardous waste materials generated during construction, demolition, and/or renovation activities
 - .2 **Inert Fill:** inert waste - exclusively asphalt and concrete.
 - .3 **Separate Condition:** refers to waste sorted into individual types.
 - .4 **Approved/Authorized recycling facility:** waste recycler approved by applicable provincial authority or other users of material for recycling approved by the Departmental Representative.
 - .5 **Class III non-hazardous waste** - construction renovation and demolition waste.
 - .6 **Salvage:** removal of structural and non-structural materials from deconstruction/disassembly projects for purpose of reuse or recycling.
 - .7 **Recyclable:** ability of product or material to be recovered at end of its life cycle and re-manufactured into new product for reuse.
 - .8 **Recycling:** process of sorting, cleansing, treating and reconstituting solid waste and other discarded materials for purpose of using in altered form. Recycling does not include burning, incinerating, or thermally destroying waste.
 - .9 **Recycle:** process by which waste and recyclable materials are transformed or collected for purpose of being transferred into new products.
 - .10 **Reuse:** repeated use of product in same form but not necessarily for same purpose. Reuse includes:
 - .1 Salvaging reusable materials from re-modelling projects, before demolition stage, for resale, reuse on current project or for storage for use on future projects.
 - .2 Returning reusable items including pallets or unused products to vendors.
 - .11 **Source Separation:** act of keeping different types of waste materials separate beginning from the point they became waste.

1.4 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Submit in accordance with Section 01 33 00 - Submittal Procedures.

1.5 USE OF SITE AND FACILITIES

- .1 Execute Work with minimal interference and disturbance to normal use of premises.
- .2 Maintain security measures established by facility provide temporary security measures approved by Departmental Representative.
- .3 Provide, on the construction site, enough container to collect, handle and store the anticipated quantities of reusable and recyclable scrap materials.
- .4 On-the-spot sale of collected scrap materials is not allowed, except with written authorization of the Departmental Representative.

1.6 WASTE PROCESSING SITES

- .1 Contractor is responsible to research and locate waste diversion resources and service providers. Salvaged materials are to be transported off site to approved and/or authorized recycling facilities or to users of material for recycling.
- .2 Provide the documents which confirm arrangement of the waste in authorized sites.

1.7 STORAGE, HANDLING AND PROTECTION

- .1 Unless specified otherwise, materials for removal become Contractor's property.
- .2 Protect, stockpile, store and catalogue salvaged items.
- .3 Separate non-salvageable materials from salvaged items. Transport and deliver non-salvageable items to licensed disposal facility.
- .4 Protect structural components not removed and salvaged materials from movement or damage.
- .5 Support affected structures. If safety of structure is endangered, cease operations and immediately notify Departmental Representative.
- .6 Provide on-site facilities and containers for collection and storage of reusable and recyclable materials.
- .7 Separate and store materials produced during project in designated areas.
- .8 Prevent contamination of materials to be salvaged and recycled and handle materials in accordance with requirements for acceptance by designated processing facilities.
 - .1 On-site source separation is recommended.
 - .2 Remove co-mingled materials to off site processing facility for separation.
 - .3 Obtain waybills, receipts and/or scale tickets for separated materials removed from site.
 - .4 Materials reused on-site are considered to be diverted from landfill and as such are to be included in all reporting.

1.8 DISPOSAL OF WASTES

- .1 Do not bury rubbish or waste materials.
- .2 Do not dispose of wastes into waterways, storm, or sanitary sewers.
- .3 Remove materials on-site as Work progresses.

1.9 ARRANGEMENT OF SOILS AND DREDGED SEDIMENTS

- .1 Refer to the section 35 20 23 – Dredging

1.10 SCHEDULING

- .1 Co-ordinate Work with other activities at site to ensure timely and orderly progress of Work.

Part 2 Products

2.1 NATURE OF MATERIALS

- .1 The waste of construction and demolition includes without limitation : some stone of various thicknesses, the gravel, pieces of wood, the brooch, steel, bolts and rod of steel, wire cables, electric cables, old crib of wood, some reinforced concrete, the bituminous cover, pallets of transport, barrels of steel or plastic being of use to the transport of materials, packing material, covers, paintings blows up, of jute, etc.
- .2 Inventory of wastes on seabed has been done at subsurface inspection in 2015. Appendix 5 shows summary table of potential debris that will have to be removed before dredging. This table is not necessarily exhaustive and other items might be found.

Part 3 Execution

3.1 GENERAL

- .1 Handle waste materials not reused, salvaged, or recycled in accordance with appropriate regulations and codes.

3.2 CLEANING

- .1 Progress Cleaning: clean in accordance with Section 01 74 11 - Cleaning.
 - .1 Leave Work area clean at end of each day.
- .2 Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 11 - Cleaning.

**3.3 CANADIAN GOVERNMENTAL DEPARTMENTS CHIEF RESPONSIBILITY
FOR THE ENVIRONMENT**

.1 Government Chief Responsibility for the Environment:

Minister of Sustainable Development, Environment and the Fight against Climate Change			
Québec	Informations center Édifice Marie-Guyart, 29e étage 675, boulevard René-Lévesque Est Québec, Québec G1R 5V7	418 521-3830 1-800-561-1616	418-646-5974
Sainte-Anne-des-Monts	124, 1 ^{re} Avenue Ouest Sainte-Anne-des-Monts, Québec G4V 1C5	418 763-3301	418 763-7810
Rimouski	212, avenue Belzile Rimouski, Québec G5L 3C3	418 727-3511	418 727-3849

END OF SECTION