

**PART 1 - GENERAL**

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|-----------------------------------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.1 <u>RELATED SECTIONS</u>       | .1 | Section 013543 – Environmental procedures                                                                                                                                                                                              |
|                                   | .2 | Section 017411 – Cleaning                                                                                                                                                                                                              |
| 1.2 <u>BASIS FOR PAYMENT</u>      | .1 | Include costs related to construction / demolition waste management and disposal in items where required.                                                                                                                              |
| 1.3 <u>WASTE MANAGEMENT GOALS</u> | .1 | Accomplish maximum control of solid construction waste.                                                                                                                                                                                |
|                                   | .2 | Preserve environment and prevent pollution and environment damage.                                                                                                                                                                     |
| 1.4 <u>DEFINITIONS</u>            | .1 | Class III: non-hazardous waste - construction renovation and demolition waste.                                                                                                                                                         |
|                                   | .2 | Inert Fill: inert waste - exclusively asphalt and concrete.                                                                                                                                                                            |
|                                   | .3 | Recyclable: ability of product or material to be recovered at end of its life cycle and re-manufactured into new product for reuse.                                                                                                    |
|                                   | .4 | Recycle: process by which waste and recyclable materials are transformed or collected for purpose of being transferred into new products.                                                                                              |
|                                   | .5 | 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. |
|                                   | .6 | 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.                                                                                                                                                              |
|                                   | .7 | Salvage: removal of structural and non-structural materials from deconstruction/disassembly projects for purpose of reuse or recycling.                                                                                                |
|                                   | .8 | Separate Condition: refers to waste sorted into individual types.                                                                                                                                                                      |
|                                   | .9 | Source Separation: acts of keeping different types of waste materials separate beginning from first time they became waste.                                                                                                            |
| 1.5 <u>REFERENCES</u>             | .1 | Ontario Ministry of Environment                                                                                                                                                                                                        |
|                                   | .1 | Ontario 3 R's Regulations (regulation 102/94) for waste management programs applicable to construction and demolition projects greater than 2,000 m <sup>2</sup> .                                                                     |
|                                   | .2 | Ontario Environmental Protection Act (EPA)                                                                                                                                                                                             |
|                                   | .1 | Regulation 102/94, Waste Audits and Waste Reduction Workplans.                                                                                                                                                                         |

- .2 Regulation 103/94, Source Separation Programs.
    - .3 Canadian Construction Association (CCA)
      - .1 CCA 81-2001: A Best Practices Guide to Solid Waste Reduction.
    - .4 Public Works and Government Services Canada (PWGSC)
      - .1 2002 National Construction, Renovation and Demolition Non-Hazardous Solid Waste Management Protocol.
      - .2 CRD Waste Management Market Research Report (available from PWGSC's Environmental Services).
      - .3 Sustainable Development Strategy 2007-2009: Target 2.1 Environmentally Sustainable Use of Natural Resources.
        - .1 Real Property projects over \$1 million and in communities where industrial recycling is supported, implementation of CRD waste management practices will be completed, with waste materials being reused or recycled.
        - .2 Contractually ensure resources used in construction or maintenance are consumed and recovered in a sustainable manner.
- 1.6 STORAGE, HANDLING AND PROTECTION
  - .1 Store, materials to be reused, recycled and salvaged in locations as directed by Departmental Representative.
  - .2 Unless specified otherwise, materials for removal do not become the Contractor's property unless approved by the Departmental Representative.
  - .3 Protect, stockpile and store salvaged items.
  - .4 Separate non-salvageable materials from salvaged items. Transport and deliver non-salvageable items to licensed disposal facility.
  - .5 Protect surface drainage, mechanical and electrical from damage and blockage.
  - .6 Prevent contamination of materials to be salvaged and recycled and handle materials in accordance with requirements for acceptance by designated facilities.
    - .1 On-site source separation is recommended.
    - .2 Remove co-mingled materials to off-site processing facility for separation.

- 1.7 DISPOSAL OF WASTES
- .1 Do not bury rubbish or waste materials.
  - .2 Do not dispose of waste, volatile materials, mineral spirits, oil, paint thinner into waterways, storm, or sanitary sewers.
  - .3 Remove materials from deconstruction as deconstruction / disassembly Work progresses.
  - .4 Prepare project summary to verify destination and quantities on a material-by-material basis.
- 1.8 USE OF SITE AND FACILITIES
- .1 Execute work with least possible interference or disturbance to normal use of premises.
- 1.9 SCHEDULING
- .1 Co-ordinate Work with other activities at site to ensure timely and orderly progress of Work.

**PART 2 - PRODUCTS**

NOT USED.

**PART 3 - EXECUTION**

- 3.1 APPLICATION
- .1 Handle waste materials not reused, salvaged, or recycled in accordance with appropriate regulations and codes.
- 3.2 CLEANING
- .1 Remove tools and waste materials on completion of Work, and leave work area in clean and orderly condition.
  - .2 Clean-up work area as work progresses.
  - .3 Source separate materials to be reused/recycled into specified sort areas.

**\*\*\* END OF SECTION \*\*\***