

**Part 1 General**

**1.1 REFERENCES**

- .1 Definitions:
  - .1 Environmental Pollution and Damage: presence of chemical, physical, biological elements or agents which adversely affect human health and welfare; unfavourably alter ecological balances of importance to human life; affect other species of importance to humans; or degrade environment aesthetically, culturally and/or historically.
  - .2 Environmental Protection: prevention/control of pollution and habitat or environment disruption during construction.
  - .3 Hazardous Material: Product, substance, or organism that is used for its original purpose; and that is either dangerous goods or a material that may cause adverse impact to the environment or adversely affect health of persons, animals, or plant life when released into the environment.

**1.2 ACTION AND INFORMATIONAL SUBMITTALS**

- .1 Submit in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Product Data:
  - .1 Submit manufacturer's instructions, printed product literature and data sheets for applicable products and include product characteristics, performance criteria, physical size, finish and limitations.
- .3 Address topics at level of detail commensurate with environmental issue and required construction tasks.

**1.3 POLLUTION CONTROL**

- .1 Maintain temporary erosion and pollution control features installed under this contract.
- .2 Control emissions from equipment and plant to local authorities' emission requirements.
- .3 Prevent sandblasting and other extraneous materials from contaminating air beyond application area, by providing temporary enclosures.
- .4 Cover or wet down dry materials and rubbish to prevent blowing dust and debris. Provide dust control for temporary roads and around entire construction site.
- .5 Maintain inventory of hazardous materials and hazardous waste stored on site. List items by product name, quantity and date when storage began.
- .6 Have emergency spill response equipment and rapid clean-up kit, appropriate to work, at site. Locate adjacent to work and where hazardous materials are stored. Provide personal protective equipment as required for clean-up.
- .7 Report, to Federal and Provincial Department of the Environment, spills of petroleum and other hazardous materials as well as accidents having potential of polluting the

environment. Also notify Departmental Representative and submit a written spill report to Departmental Representative within 24 hours of occurrence.

- .8 Provide a floating debris containment boom whenever any of the Contractors methods of work allow for the potential of floating debris.

#### **1.4 FIRES**

- .1 Fires and burning of rubbish on site is not permitted.

#### **1.5 DRAINAGE**

- .1 Provide temporary drainage and pumping required to keep site free from water.
- .2 Ensure pumped water into waterways, sewer or drainage systems is free of suspended materials and hydrocarbons.
- .3 Control disposal or runoff of water containing suspended materials or other harmful substances in accordance with local authority requirements.

#### **1.6 CONTAMINATED SOIL**

- .1 If encountered, immediately contact the Departmental Representative.

#### **1.7 SITE CLEARING AND PLANT PROTECTION**

- .1 Protect trees and plants on-site and adjacent properties as indicated.
- .2 Protect trees and shrubs adjacent to construction work and storage areas with protective wood framework from grade level to height of 1 m minimum, where applicable.
- .3 Minimize stripping of topsoil and vegetation.
- .4 Obtain Departmental Representative's approval prior to removing trees, sods or shrubs.

#### **1.8 NOTIFICATION**

- .1 Department Representative will issue stop order of work until satisfactory corrective action has been taken.
- .2 No time extensions granted or equitable adjustments allowed to Contractor for such suspensions.

**END OF SECTION**