

1 General

- .1 Work of this Section will be performed in such a manner as to prevent environmental damage to watercourses and surrounding property.
- .2 It is the responsibility of the Contractor to ensure that regulations respecting protection of the environment during Work of this Section are understood and followed. Obtain necessary permits and approvals from authorities having jurisdiction.
- .3 Contractor site foreman to have completed the NSHRM Certificate of Training (Green Card) for training of responsible personnel in erosion and sediment control.
- .4 Contractor is to provide environmental training for all of their workers on site. Training is to include a review of site specific procedures and management plans, including Sedimentation and Erosion Control, Construction Waste Management, and Environmental Protection.
- .5 Cover and/or wet down dry materials and rubbish to prevent blowing dust and debris. Provide dust control for roads used to access site. Control particulate discharge resulting from demolition, cutting, and grinding operations. Use water sprinkling to control dust generation.
- .6 It is emphasized that control of water and prevention of siltation is the responsibility of the Contractor. Payment for the installation of sediment traps and siltation fences will be considered incidental to the completion of the works.

2 Submittals

- .1 Prior to commencing construction activities or delivery of materials to site, submit for review and approval an Environmental Protection Plan.
- .2 Submit updated plans for review and approval by HRM Representative.

3 Definitions

- .1 Environmental Pollution and Damage: presence of chemical, physical, biological elements or agents which adversely affect human health and welfare; unfavorably alter ecological balances of importance to human life; affect other species of importance to humankind; or degrade environment aesthetically, culturally and/or historically.
- .2 Environmental Protection: prevention/control of pollution and habitat or environment disruption during construction. Control of environmental pollution and damage requires consideration of land, water, and air; biological and cultural resources; and includes management of visual aesthetics; noise; solid, chemical, gaseous, and liquid waste; radiant energy and radioactive material as well as other pollutants.

4 Reference Documents

- .1 The following reference documents form a part of this specification:
 - .1 Nova Scotia Environment Construction and Demolition Debris Disposal Site Guidelines (latest edition).
 - .2 Province of Nova Scotia Special Places Act.
 - .3 Activity Designation Regulations.

5 Permits and Approvals

- .1 Obtain copies of any permits or approvals issued by approval agencies. Review and comply with all conditions contained in permit or approval.
- .2 Where permits or approval are required and not obtained at time of bidding; be responsible for obtaining permits or approvals. The Activity Designation Regulations made under the Nova Scotia Environment Act list all activities which require an approval from the Nova Scotia Environment and Nova Scotia Department of Labour.
- .3 Ensure all staff and subcontractors are aware of all terms and conditions of any permit / approval issues.

6 Pollution Control

- .1 Contractor to prepare and submit within 5 days of award of Contract an Environmental Protection Plan for review by Project Manager as per requirements for submission of Shop Drawings.
- .2 Environmental Protection Plan is to present comprehensive overview of known or potential environmental issues which must be addressed during construction and addresses procedures to follow in the event of a pollution incident and ensure that all staff is aware of these procedures. Provide copy of contingency plan to HRM Representative.
- .3 Address topics at level of detail commensurate with environmental issue and required construction tasks.
- .4 Environmental Protection Plan must include at a minimum:
 - .1 Names of persons responsible for ensuring adherence to Environmental Protection Plan;
 - .2 Work area plan showing proposed activity in each portion of area and identifying areas of limited use or non-use. Plan to include measures for marking limits of use areas including methods for protection of features to be preserved within authorized work areas;
 - .3 Spill Control Plan including procedures, instructions, and reports to be used in event of unforeseen spill of regulated substance.
 - .4 Air pollution control plan, detailing provisions to assure that dust, debris, materials, and trash, do not become air borne and travel off project site.
 - .5 Contaminant prevention plan that: identifies potentially hazardous substances to be used on job site; identifies intended actions to prevent introduction of such materials into air, water, or ground; and details provisions for compliance with Federal, Provincial, and Municipal laws and regulations for storage and handling of these materials.
- .5 Immediately report any environmental emergency, such as an oil spill of a contaminant, to the Canadian Coast Guard Regional Operations Center Environmental Emergencies 1-800-565-1633.
- .6 Maintain temporary pollution control device installed under this Contract until the Work is completed as specified in the Project Document. Remove control measures, if directed by the Project Manager, prior to project completion.
- .7 Control emissions from equipment to requirements of authorities having jurisdiction and to approval of Project Manager.
- .8 Remove pollution control measures prior to project completion unless directed otherwise.

- .9 Provide temporary enclosures to protect environment from effects of abrasive blasting.
- .10 Cover or wet down dry materials and rubbish to prevent blowing dust and debris.

7 Fires

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

8 Disposal of Wastes

- .1 Do not bury rubbish or waste materials on site. Dispose of waste offsite in authorized location.
- .2 Do not dispose of waste or volatile materials, such as mineral spirits, oil or paint thinner into waterways, wetlands, storm or sanitary sewers.

9 Notification

- .1 The Project Manager will notify the Contractor in writing of observed noncompliance with Federal, Provincial or Municipal environmental laws or regulations, permits, and other elements of Contractor's Environmental Protection plan. The Contractor: after receipt of such notice, shall inform the Project Manager of proposed corrective action and take such action for approval by Project Manager.
- .2 The Project Manager may issue a stop order of work until satisfactory corrective action has been taken. No time extensions granted or equitable adjustments allowed to Contractor for such suspensions.

END OF SECTION