

Part 1 General

1.1 REFERENCES

.1 Reference Standards

- .1 Canadian Environmental Protection Act (CEPA), 1999.
- .2 Transportation of Dangerous Goods Act (TDGA), 1992.
- .3 Toxics Reduction Act (TRA), 2009, S.O. 2009, c. 19.
- .4 Species at Risk Act (SARA), S.C. 2002, c. 29.
- .5 Fisheries Act, R.S.C., 1985, c. F-14
- .6 Migratory Birds Convention Act (MBCA), 1994, S.C. 1994, c. 22

1.2 REGULATORY REQUIREMENTS

- .1 Comply with specified standards and regulations to ensure environment protected over course of work.

1.3 PROJECT CLEANLINESS

- .1 Maintain work site in tidy condition, free from accumulation of waste products and debris.
- .2 Remove waste materials from site at end of each working day.

1.4 WORK ADJACENT TO WATERCOURSE

- .1 Construction equipment to be operated on land or floating barge only.
- .2 Do not skid logs or construction materials across watercourse.
- .3 Do not dump waste material or debris into watercourse.
- .4 Do not allow water containing suspended materials into watercourse, sewer or drainage systems.
- .5 Clean equipment so as to prevent wash water from entering watercourse.
- .6 Push sediment laden water past ends of bridges into vegetated areas to prevent sediment laden water and other harmful substances from entering watercourse.
 - .1 Vacuum sediment-laden water if vegetated area unavailable.
- .7 Seal drains and open joints or install filter cloths with sandbags over drains and open joints in close proximity to work area.
 - .1 Remove seals or filter cloth from drains at end of work.
 - .2 Dispose of seals and filter cloth to approved landfill site.
- .8 Install silt fences or other approved filtration system to prevent sediment from entering watercourse.

1.5 PLANT PROTECTION

- .1 Departmental Representative will inform Contractor of Species at Risk present on-site prior to beginning of work.

- .2 Protect trees and plants on site and adjacent properties.
- .3 Protect roots of trees to drip line during work. Avoid unnecessary traffic and storage of materials over root zones.
- .4 Wrap in burlap, trees and shrubs adjacent to construction site, storage areas and trucking lanes, and encase with protective wood framework from grade level to height of 2 meters.
- .5 Minimize damage to areas with grass cover. Make good any damage to grass to the satisfaction of Departmental Representative.

1.6 ANIMAL PROTECTION

- .1 Departmental Representative will inform Contractor of Species at Risk present on-site prior to beginning of work.
- .2 Develop protection plan complying with requirements in SARA, Fisheries Act and MBCA. Submit protection plan for approval to Departmental Representative.
- .3 Do work so as to not disturb habitat, including nesting and breeding grounds, of species identified in SARA, Fisheries Act and MBCA.

1.7 SPILL PROTECTION

- .1 Develop site specific spill response plan that will contain and clean up any leaks or spills of hazardous materials. Submit to Departmental Representative for approval prior to beginning of work.
 - .1 Keep emergency spill kit and copy of spill response plan on-site to respond quickly to spills if spills occur.
- .2 Maintain vehicles and equipment in good working condition to avoid leaks and spills of hazardous materials.
 - .1 Vehicles and equipment to arrive on-site in clean condition and maintained free of fluid leaks.
 - .2 Wash, refuel and service vehicles and equipment and store fuel away from water to prevent harmful substances from entering watercourse.
- .3 Contact governing authority if spill occurs.
 - .1 Ontario: Ministry of Environment Spill Action Centre at 1-800-268-6060
 - .2 Quebec: Environmental Protection Operations Directorate at 1-866-283-2333

1.8 POLLUTION CONTROL

- .1 Control emissions from equipment and vehicles to local authorities' emission requirements.
- .2 Use vehicles and equipment fitted with emission control systems, mufflers, exhaust system baffles and/or engine covers.
- .3 Prevent debris and other extraneous materials from contaminating air beyond work area by providing the necessary control of dust and debris.
 - .1 Provide temporary enclosures to contain possible contaminants.
- .4 Cover or wet down dry materials and rubbish to prevent blowing dust and debris.
- .5 Restrict noise in accordance with all local municipal regulations.

1.9 DUST CONTROL

- .1 The Contractor shall take such steps as to prevent dust nuisance resulting from his operation within right of way, over river or elsewhere.

1.10 DISPOSAL OF WASTES

- .1 Remove and dispose of waste and debris to an approved landfill site adhering to all municipal, provincial and federal environmental and health regulations.
- .2 Do not bury waste or debris materials on site.
- .3 Do not dispose of waste or volatile materials into watercourse, storm or sanitary sewers, catch basins or deck drains.
- .4 No foreign materials including garbage, sand, debris, cleaning solvents or paint to fall or be washed into watercourse or through deck drains.
- .5 Handle and dispose of hazardous or toxic materials in accordance with the CEPA, TDGA, Regional and Municipal regulations.

1.11 FIRES

- .1 Fires and burning of waste and debris not permitted.

1.12 NOTIFICATION

- .1 Departmental Representative will notify Contractor in writing of observed noncompliance with Federal, Provincial or Municipal environmental laws or regulations.
- .2 Contractor to inform Departmental Representative of proposed corrective action and proceed only when written approval of Departmental Representative is received.
- .3 Departmental Representative may issue stop work order until satisfactory corrective action has been taken.
 - .1 No time extensions granted or equitable adjustments allowed to Contractor for such suspensions.

END OF SECTION