

Waste Management Plan - CCG Wharf Repairs, Norman Wells, NT

DISPOSAL OF WASTES:

- .1 Do not bury rubbish and waste materials on site unless approved by Engineer.
- .2 Do not dispose of waste or volatile materials, such as mineral spirits, oil or paint thinner into waterways. Hazardous wastes including fuels, oils and lubricants to be disposed of by a licensed hazardous waste carrier/handler in accordance with Provincial or Territorial Environment Legislation.
- .3 Collect all rubbish and waste material and dispose of in accordance with applicable governing authorities.
- .4 Do not allow debris of any type to enter waterway.

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FIRES:

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

DRAINAGE:

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

WORK ADJACENT TO WATERWAYS:

- .1 Construction equipment may not enter the river unless the river is frozen. If construction equipment will be located on the frozen surface of the river, it will be removed from the river each night if the on-ice component of the projects spans more than one day.
- .2 Construction equipment will enter and leave the river at such a location and in such a manner that no disturbance to the river shore occurs.
- .3 Every effort will be made to minimize the introduction of sediment to the river during on ice work activities. Any sediment tracked onto the ice during the project must be cleaned off at the end of the project. This includes any ice that needs to be removed from the shoreline to accommodate stabilization works. All material used for shoreline stabilization will be clean and free of silt and clay.
- .4 Do not use waterway beds for borrow material.
- .5 Waterways to be free of excavated fill, waste material and debris.
- .6 Design and construct temporary crossings to minimize erosion to waterways.
- .7 Do not skid logs or construction materials across waterways.
- .8 Avoid damage to shoreline.
- .9 Supply, install, and maintain approved erosion control blankets to unprotected slopes until revegetation is established.

- .10 Any impacts below ordinary high water mark that are not shown on the site plan are not permitted without written approval from the Engineer. Up to 30 days may be required for approval.
- .11 Protect shoreline with a build-up of snow.
- .12 Reclaim and restore disturbed areas to previous or better condition.
- .13 Areas used for stockpiling construction materials, including fill or other equipment storage will be well back from the edge of the water body and, if possible, in areas which have already been disturbed or are devoid of vegetation.
- .14 All required machinery should be supplied with appropriate spill containment kits as a precaution in the event of accidental fuel spills or hydraulic leaks. Additional kits should be available on site with the capacity to contain any spills of deleterious substances that may be reasonably expected to occur. Contractors should ensure that all personnel are familiar with the spill kits.

POLLUTION CONTROL:

- .1 Control emissions from equipment and plant to local authorities' emission requirements.
- .2 Prevent sandblasting and other extraneous materials from contaminating air and waterways beyond application area.
- .3 Cover or wet down dry materials and rubbish to prevent blowing dust and debris. Provide dust control for temporary roads.
- .4 Locate temporary fuel storage 100 metres from shore and comply with Provincial or Territorial Environmental Legislation.
- .5 Refueling, servicing, or cleaning of equipment on ice or within 100 metres of shore is prohibited. Contractor to ensure all equipment operating on project is free of external fluid leaks, grease, oil, and mud.
- .6 Contractor to contain all oil leaks from equipment working adjacent to waterways.
- .7 No maintenance of vehicles or equipment in construction areas.
- .8 Use drip pans to catch leaking oil from compressors, pumps, etc.

PLANT PROTECTION:

- .1 Protect trees and plants on site and adjacent properties.

.2 Avoid disturbance of topsoil and vegetation unless otherwise specified. Contractor is responsible to restore all impacted areas to original state.

VERTICAL SILT CURTAIN:

.1 Contractor to isolate the work areas from the Mackenzie River with an approved silt curtain to prevent the drift of sediment from the work area into the river as required. The silt curtain must extend from the top of the ice/water to within 300mm of the river bottom. The silt curtain must be left in place until all suspended sediments are settled out. On completion of the project carefully remove silt curtain to ensure settled sediment is not disturbed. An acceptable product is "Tough Guy" Type 1E Turbidity Barrier or approved equivalent.