

GUIDELINE FOR THE SITING AND OPERATION OF A DREDGING MATERIAL DISPOSAL SITE ON LAND

The following guideline is intended to provide direction for the safe disposal of dredging material on land in New Brunswick. The Proponent of all proposed dredging projects must receive an Approval to Operate issued by the Department of the Environment and Local Government (*DELG*) for the disposal of dredging material on land above the normal high water mark before the proposed project may proceed.

The main environmental concerns with the disposal of dredging material on land are siltation of aquatic habitat and salt contamination of fresh water resources by marine dredging material. Therefore, preference will be given to disposal sites located within saltwater intrusion zones. Other environmental concerns may be included depending on land and water uses surrounding the disposal site.

All proponents of projects involving land disposal sites for up to 10,000 cubic metres of dredge material will be required to complete the following application form. The completed form must then be forwarded for review by the Authorizations Branch of *DELG* at least **thirty (30) days** prior to the start of the project. All projects involving land disposal of more than 10,000 cubic metres of dredging material or involving the disposal of any amount that will bring the cumulative dredging material disposed of at the same site to 10,000 cubic metres or more, or involving environmentally sensitive areas must be registered in accordance with the *Environmental Impact Assessment Regulation*. The dredging of inland waters in New Brunswick requires a Watercourse and Wetland Alteration Permit from the *DELG*.

All proposed disposal sites for dredging material must satisfy the following minimum setback distances:

Upgradient Water Supply Wells	300 m
Neighbouring Residence	300 m
Watercourse	30 m
Marsh or Wetland	30 m
Property Line	30 m (unless with owner's consent)

These distances are minimums and *DELG* can increase any or all of these distances based on site evaluation. **Location of down-gradient water supply wells will be a major consideration.** *DELG* may also approve sites within these guideline distances, provided suitable mitigation is proposed to eliminate potential impacts.

The Proponent will also be required to take additional measures at the disposal site to reduce erosion and surface water runoff. Within a year from disposal, the Proponent will be required to grade the dredge material to promote positive drainage and establish a vegetative cover to reduce erosion. Additional measures may also be required depending upon the site evaluation. The Proponent must also submit chemical analyses of one or more composite samples of the dredge material, completed within five years prior to the dredging activity. These analyses must include

heavy metals, polycyclic aromatic hydrocarbons (PAHs), and polychlorinated biphenyls (PCBs) and must conform, as a minimum, to the Atlantic Risk-Based Corrective Action (RBCA) – Human Health Tier I Environmental Quality Standards for Soil and Atlantic RBCA – Ecological Tier I Environmental Quality Standards for Soil. The results of the analyses and comparison to the Environmental Quality Standards must be presented in a report prepared and stamped by a Professional Engineer who is a member with the Association of Professional Engineers and Geoscientists of New Brunswick.

This guideline does not cover any restrictions on the dredging activity itself or the disposal of dredging material at sea. Further information on these activities can be obtained from Environment and Climate Change Canada and Fisheries and Oceans Canada who are the responsible agencies for dredging projects in coastal waters and the disposal of material at sea. Approvals for the dredging activity may also be required from the NB Department of Natural Resources and Energy Development.

For further information, please contact the Department of the Environment and Local Government at (506) 453-7945.

APPLICATION FORM FOR THE SITING AND OPERATION OF A DREDGE MATERIAL DISPOSAL SITE ON LAND

Name and Address of Applicant: _____

Telephone: _____

() _____

Legal Name and Address of the Landowner
where the Site is to be Located: _____

Telephone: _____

() _____

Property Identification Number (PID #) of Proposed Disposal Site: _____

Proposed project start date: _____

Proposed quantity of dredge material to be disposed of (m³): _____

Distance the dredge material will be transported on public roads: _____

Indicate the separation distances from the proposed disposal site to the nearest:

Water Supply Well: _____	Residence: _____
Marsh or Wetland: _____	Watercourse: _____
Right of Way for a Public Road: _____	Public, Commercial, or Industrial Land Use: _____
Property Line: _____	

Please include with this Application, a letter of approval from the landowner of the proposed disposal site and a letter of approval from the local, regional, or municipal planning authority.

Please also attach detailed maps and/or sketches showing the precise location of the dredge site and the dredge material disposal site and any additional information that would assist in processing this application.

Signature of Applicant: _____ **Date:** _____