Rationale
In an effort to reduce the cost associated with the transportation of demolition wastes, a Land Reclamation Site may be approved for a building demolition project that is located a significant distance away from existing Construction and Demolition Debris (C&D Debris) Disposal Sites or Solid Waste Management Facilities. Although the department encourages the recycle and reuse of as much of the building materials as possible, it is recognized that this is not always feasible and therefore disposal locations are necessary.

Within the province, there are numerous locations where the natural landscape and its underlying soils have been adversely affected by industrial and construction activities. These sites could benefit from the use of low cost inert debris to infill these affected areas.

Demolition debris may be used, under certain conditions, to infill affected areas upon receiving an Approval to Operate from the Department of Environment and Local Government (Department). This option is referred as a Land Reclamation Site.

Objective
The purpose of this document is to clarify when a Land Reclamation Site is applicable, to specify siting requirements necessary to minimize the potential environmental impacts associated with its operation and give the information required by the Department in order to issue an Approval to Operate under the Water Quality Regulation – Clean Environment Act.

Definitions
In this guideline:

“Category A Land Reclamation Site” means a Land Reclamation Site project accepting more than 100 tandem truck loads of Demolition Debris.

“Category B Land Reclamation Site” means a Land Reclamation Site project accepting up to 100 tandem truck loads of Demolition Debris.

“Demolition debris” means
a) concrete, brick and untreated wood,
b) siding, ceiling tile, gypsum board, insulation,
c) asbestos that is not friable asbestos,
d) solid roofing materials only such as asphalt shingles, No cans, drums, or other packages (empty or otherwise) of roofing adhesives, tar, or waterproofing compounds
e) glass from doors and windows,
f) metal, wood, fibreglass and durable plastic structural materials,
g) wiring and light fixtures that do not contain fluorescent lamp ballast or fluorescent tubing,
h) toilets, bathtubs, wash basins, and plumbing fixtures,
i) floor coverings attached to a building during demolition,
j) broken and aged asphalt or chip seal pavement only, No cans, drums, or other packages (empty or otherwise) of sealers, adhesives, tar or waterproofing compounds or new asphalt product
k) any mixture of (a) through (j)
l) other inert material approved by the Department in writing that has been obtained during the demolition of a building or structure. Debris or other materials obtained from commercial, industrial and manufacturing sources is not acceptable. Debris: i) from a building that has or may have manufactured, contained, transferred or distributed contaminated or hazardous (such as a pesticide storage warehouse) products; or ii) that contains PCB’s (polychlorinated biphenyls), or iii) that contains lead paint of a known concentration greater then 1000ppm (parts per million) or that has been deemed leachable toxic (exceeds 5 mg/L) or contains lead paint that is flaking/chipping/peeling is not considered Demolition debris.

“Disposal Area” means that portion of the Site meeting the guideline requirements and that is approved by the Department to accept Demolition Debris for disposal.

“Inspector” means an Inspector designated under the Clean Air Act, the Clean Environment Act, or the Clean Water Act.

“Land Reclamation Site” or “Site” means a parcel of land used for the disposal of Demolition debris generated as a result of a single demolition project involving the demolition of one or more buildings or structures

“Regional Solid Waste Management Facility” means a solid waste collection and/or disposal facility operated by the solid waste disposal service of a Regional Service Commission established under the Regional Service Delivery Act.

“Residence” means a building any part of which is used or is intended to be used for the purposes of human habitation but does not include a building without electricity, water and sewerage.

“Water Supply Well” means an artificial opening in the ground from which water is obtained but does not include a well which is not in use. Any water supply well not in use must be decommissioned in accordance with the Department’s Guidelines for Decommissioning (abandonment) of Water Wells.

Applicability

Approval to Operate
An Approval to Operate is to be obtained from the Department prior to the demolition of the building or structure and any debris being disposed. Should this not occur, the applicant may be advised that
the material is to be disposed of at a Regional Solid Waste Management Facility or an approved C&D Debris Disposal Site.

**Number of approvals per site**
This guideline pertains to a project consisting of a one-time demolition event only (e.g. residence, commercial building, industrial building, warehouse, institution, etc). Should a future request be made to use the Site again, the proponent must submit a second application form to the Department for approval prior to using the Site. A Site can’t be intended for more than two Land Reclamation Sites approvals.

**Location**
Only sites where the natural landscape and its underlying soils have been adversely affected by industrial and construction activities and that will meet all the siting requirements of this guideline will be acceptable locations for Land Reclamation Sites.

**Distance of the building from an approved facility**
No Category B Land Reclamation Site shall be approved for the disposal of Demolition Debris generated from the demolition of a building located within 30 kilometres of a Construction and Demolition Debris Disposal Site or a Regional Solid Waste Management Facility but excluding Transfer Stations.

**Time of the year**
No Land Reclamation Site shall be approved in winter or when the proposed site is covered with snow.

**Materials**
Only waste defined as Demolition Debris in this guideline shall be accepted at a Land Reclamation Site.

Burned or partially burned materials are not acceptable for disposal at a Land Reclamation Site. Burned or partially burned materials should be disposed of at a Regional Solid Waste Management Facility.

No Demolition debris that originates outside of the Province of New Brunswick shall be accepted at a land reclamation site unless specifically approved by the Department following an evaluation under *Environmental Impact Assessment Regulation – Clean Environment Act*. Contact the Environmental Assessment Section at (506) 444-5382 for further information.

**Siting Standards**
Separation distances are necessary in order to minimize potential environmental conflicts between non-compatible land uses. Some of these distances will be more stringent for category A Land reclamation sites. The boundary of the disposal area of the Land Reclamation Site shall not be located within the receptor setback distances listed in Table 1.
Table 1: Setback distances from receptors

<table>
<thead>
<tr>
<th>Receptor</th>
<th>Category A (metres)</th>
<th>Category B (metres)</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Water supply wells</td>
<td>300</td>
<td>200</td>
</tr>
<tr>
<td>b) Institutional land use properties</td>
<td>300</td>
<td>200</td>
</tr>
<tr>
<td>c) Residences</td>
<td>300</td>
<td>200</td>
</tr>
<tr>
<td>d) Industrial/Commercial land use properties</td>
<td>100</td>
<td>50</td>
</tr>
<tr>
<td>e) Watercourses (from the bank or the ordinary high water mark)</td>
<td>150</td>
<td>30</td>
</tr>
<tr>
<td>f) Wetlands</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>g) Right-of-way boundary of public highways</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>h) Any other adjacent properties</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>i) Protected areas as designated by Regulation 2001-83 of the Clean Water Act for drinking water supply watersheds</td>
<td>75</td>
<td>75</td>
</tr>
<tr>
<td>j) Protected areas as designated by Regulation 2000-47 of the Clean Water Act for drinking water supply wellfields</td>
<td>75</td>
<td>75</td>
</tr>
</tbody>
</table>

Setback distances to property line, residence or water supply well may be reduced with the written permission of the landowner, the residence owner or the well owner. In cases such as a gravel pit, where the land has been disturbed up to the property line, the property line setback may be waived with written permission from the adjacent property owner. Any written permission must be submitted to the Department for approval on a form provided by the Department and be notarized.

The above setback distances may be increased if the Department deems it necessary to protect additional, more sensitive environmental receptors.

Other factors that must be considered during site selection include compatibility with adjacent land uses, truck traffic in residential areas, the location and condition of the access road, cover material availability, drainage and areas subject to flooding.

Application Requirements

Application form

The proponent is to submit a completed application form (copy attached) with all supporting documentation to the Department of the Environment and Local Government Regional Office four weeks prior to requiring approval for the Site.

Applications submitted with insufficient information may encounter processing delays. Site approval is based on an assessment of all components of the application.

Inspections

The proponent should arrange for an inspection of the proposed Site by an Inspector 10 working days prior to initiating the project.

Any building that is proposed to be taken to a Land Reclamation site for disposal must be inspected by an Inspector before its demolition. The material to be approved for disposal at the site must be verified to be free of hazardous wastes such as friable asbestos, PCBs, contaminated soil or other...
objectionable materials present as a result of the building’s use and/or occupancy. Hazardous wastes should be disposed at a facility that is approved by the Department to receive such waste. Contact the Industrial Processes Section at (506) 453-7945 for further information.

**Disposal at a Regional Solid Waste Management Facility**
Arrangements should be made in advance with the solid waste disposal service of the applicable Regional Service Commission for any disposal of debris at a Regional Solid Waste Management Facility.

**Compliance with other by-laws, acts or regulations**
The issuance of an approval to operate does not relieve the Approval Holder from compliance with other by-laws, federal or provincial acts or regulations, or any guidelines issued pursuant to regulations.

**Supporting Documentation**

*A Scaled Drawing*
An appropriately scaled drawing which indicates the property identification number (PID), the location of the proposed disposal area on the property and the applicable setback distances is to be included with the application. The scaled drawing should also include sufficient coordinates (GPS waypoints) to allow for accurate verification of the disposal area on the site.

*Agreements with landowners, well owners or residence owners (if applicable)*
A copy of a written agreement with the owner of the site is to be included with the application (not necessary if the site owner is the proponent), as well as any other agreements with landowners, well owners or residence owners to reduce setbacks.

*Hazardous Material Assessment (if required)*
If deemed necessary by the Department, an Hazardous Material Assessment prepared and/or approved and stamped by a member in good standing of the Association of Professional Engineers and Geoscientists of the Province of New Brunswick may be required.

*Landowner Notification (only for Category A)*
For Category A Land Reclamation sites, it is necessary that the proponent notifies, by registered mail, all landowners within 500 metres of the perimeter of the proposed Disposal Area, of his intention to operate a Land Reclamation Site and inform them of the types of wastes that are to be disposed at the site. The notification letter will include:
- A scaled drawing (same to be included with the application)
- Proponent’s contact information.

A copy of the notification letters and confirmation of delivery of the registered letters must be submitted to the Department.

The proponent is also required to fill and submit the confirmation statement included at the end of this guideline.

If landowners within 500 m of the perimeter of the proposed disposal area have comments, the proponent should share those comments with the Department.
Operating Conditions

During the application process, proponents may wish to consult the Sector Standard for Land Reclamation Sites for typical conditions associated with the operation of land reclamation sites. It should be noted that other conditions may be added to the Approval if deemed necessary by the Regional Engineer. It should also be noted that a Land Reclamation Site is classified as a Class 18 facility, pursuant to the Fees for Industrial Approvals Regulation 93-201 filed under the Clean Water Act and the Approval Holder shall pay the appropriate fee specified in the Regulation.

For additional information, please contact the appropriate Department Regional Office:

<table>
<thead>
<tr>
<th>Region #1 – Bathurst</th>
<th>Physical Address</th>
<th>Mailing Address</th>
<th>Phone and Fax #</th>
</tr>
</thead>
<tbody>
<tr>
<td>159 Main Street, Room 202</td>
<td>Bathurst, NB   E2A 1A6</td>
<td>PO Box 5001, Room 202</td>
<td>p: (506) 547-2092</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bathurst, NB   E2A 3Z9</td>
<td>f: (506) 547-7655</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Region #2 – Miramichi</th>
<th>Physical Address</th>
<th>Mailing Address</th>
<th>Phone and Fax #</th>
</tr>
</thead>
<tbody>
<tr>
<td>316 Dalton Avenue</td>
<td>Miramichi, NB   E1V 3N9</td>
<td>Same</td>
<td>p: (506) 778-6032</td>
</tr>
<tr>
<td>Industrial Park</td>
<td></td>
<td></td>
<td>f: (506) 778-6796</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Region #3 – Moncton</th>
<th>Physical Address</th>
<th>Mailing Address</th>
<th>Phone and Fax #</th>
</tr>
</thead>
<tbody>
<tr>
<td>355 Dieppe Boulevard, Suite C</td>
<td>Moncton, NB   E1A 8L5</td>
<td>PO Box 5001</td>
<td>p: (506) 856-2374</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Moncton, NB   E1C 8R3</td>
<td>f: (506) 856-2370</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Region #4 – Saint John</th>
<th>Physical Address</th>
<th>Mailing Address</th>
<th>Phone and Fax #</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 Castle Street</td>
<td>Saint John, NB   E2L 4Y9</td>
<td>PO Box 5001</td>
<td>p: (506) 658-2558</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Saint John, NB   E2L 4Y9</td>
<td>f: (506) 658-3046</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Region #5 – Fredericton</th>
<th>Physical Address</th>
<th>Mailing Address</th>
<th>Phone and Fax #</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 McGloin Street</td>
<td>Fredericton, NB E3A 5T8</td>
<td>Same</td>
<td>p: (506) 444-5149</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>f: (506) 453-2893</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Region #6 – Grand Falls</th>
<th>Physical Address</th>
<th>Mailing Address</th>
<th>Phone and Fax #</th>
</tr>
</thead>
<tbody>
<tr>
<td>65 Broadway Boulevard</td>
<td>Grand Falls, NB E3Z 2J6</td>
<td>PO Box 5001</td>
<td>p: (506) 473-7744</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Grand Falls, NB  E3Z 1G1</td>
<td>f: (506) 475-2510</td>
</tr>
</tbody>
</table>
Department of Environment and Local Government

APPLICATION FORM FOR A LAND RECLAMATION SITE

CLIENT INFORMATION
Legal Name or Corporate Entity: ____________________________________________________________

Client Mailing Address – including postal station address, Civic address (if applicable), and postal code: ____________________________________________________________

Contact Name: ____________________________________________________________
Title: ____________________________________________________________
Phone: ____________________________________________________________
Fax: ____________________________________________________________
Cell Phone/Pager: ____________________________________________________________
E-mail: ____________________________________________________________

INFORMATION ON THE BUILDING
Name of the owner of the building: ____________________________________________________________

Address of the owner of the building: ____________________________________________________________

Property Identification Number (PID #) on which the building stands: __________________________
Type of building (e.g. Residential, Commercial, Industrial, Institutional, etc.): __________________________

Age of the building: ____________________________________________________________
General dimensions of the building: ____________________________________________________________
Number of storeys: ____________________________________________________________
PROJECT DESCRIPTION
Name of the landowner of the proposed site: __________________________________________________________________________
_________________________________________________________________________________________________________________________
Address of the landowner of the proposed site: __________________________________________________________________________
_________________________________________________________________________________________________________________________
_________________________________________________________________________________________________________________________
Phone: __________________________________________________________________________________________________________________
PID # of the proposed site: _______________________________________________________________________________________________
Estimated quantity of material (number of tandem truck loads): ________________________________
Types of material to be disposed of at the proposed site: _______________________________________________________________________
_________________________________________________________________________________________________________________________
_________________________________________________________________________________________________________________________
Proposed project start date: _______________________________________________________________________________________________
Proposed completion date: _______________________________________________________________________________________________
Describe the type of area being infilled (e.g. gravel pit): ____________________________________________________________
_________________________________________________________________________________________________________________________

SUPPORTING DOCUMENTATION
Here is a list of supporting documentation that should accompany the application (Please see the Land Reclamation Site Siting and Application Guideline for more information):
- Scaled Drawing
- Agreement with site landowner (not necessary if landowner is the proponent)
- Any other agreement with landowners, well owners or residences owner to reduce setbacks
- Hazardous Material Assessment (if required)
- Landowner Notification documentation (only for Category A Land Reclamation Sites)

CERTIFICATION
I understand it is an offence to make a false, misleading, or incomplete statement in this application, and incomplete forms will not be processed.

I hereby certify that the information submitted is correct.

Name of Applicant (Please Print)
________________________________________
Signature of applicant
________________________________________
Date

Application Form for a Land Reclamation Site
Effective: May 2014
Confirmation Statement
Category A Land Reclamation Site

This is to confirm that I, ___________________________ have, by registered mail, notified all current landowners, whose properties are located within 500 metres of the perimeter of the proposed Land Reclamation Disposal Area, of the intention to operate the Land Reclamation Site on the following property. I further confirm that I have disclosed the types of wastes that are proposed to be hauled to the Site and that I have included, in the letter, a map indicating the Disposal Area location.

Land Reclamation Site Property Owner: ____________________________
Property Identification Number (PID#): ____________________________

Site Address: ____________________________________________________

_________________________________________________________________

Indicate on the form below, the names, addresses and PID numbers for the current landowners contacted and attach a copy of the letters sent to the current landowners, confirmation of delivery of the registered letters and a transcript of any comments received by landowners within 500 m of the perimeter of the proposed disposal area. In addition, attach an appropriately scaled drawing which indicates the property identification number (PID), the location of the proposed disposal area on the property and the applicable setback distances. The scaled drawing should also include sufficient coordinates (GPS waypoints) to allow for accurate verification of the disposal area on the site.

<table>
<thead>
<tr>
<th>Names</th>
<th>Address</th>
<th>PID #</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Please attach an additional page if additional space is required

Signature: ___________________________ Print Name: ___________________________

Please mail or fax this signed statement, with all required attachments, to the local Regional Office.

Confirmation Statement
Effective: May 2014