

APPENDIX G:

NB DELG Draft Guidelines for the Siting and Operation of a Wood Waste Disposal Storage Site
Dedicated to a Sawmill

GUIDELINES FOR THE SITING AND OPERATION
OF A
**WOOD WASTE DISPOSAL OR STORAGE SITE
DEDICATED TO A SAWMILL**

RATIONALE:

This guideline is intended to provide direction for the disposal or storage of specific wood wastes from a sawmill including yard scrapings, land clearing debris (grubbings), bark, sawdust and woodchips, individually and collectively identified as wood waste. Although the Department encourages for wood waste to be recycled or reused as much as possible, it is recognised that this is not always feasible and disposal locations may be necessary. Wood waste storage facilities are required in some instances to allow for seasonal fluctuations in waste volumes or waste processing capability.

Wood waste may be stored or disposed on appropriate properties if the proponent receives and follows the conditions of an Approval to Operate issued by the Department of the Environment and the proponent adheres to the following protocol. The *Site* includes the property(ies) upon which the wood waste Disposal or Storage Site is operated and associated access roads. The *Disposal Area* is that portion of the Site meeting the guideline requirements and approved by the Minister to accept wood waste for disposal or storage.

Yard scrapings may be accepted at any Approved wood waste disposal facility. Ash from a hog fuel boiler may be accepted at a wood waste disposal site as a special waste only if specifically permitted in an Approval to Operate the facility. Storage of ash at a wood waste storage facility would be evaluated on a case by case basis after consideration of the environmental controls that would be in place to manage the material.

These guidelines are intended to minimize the risk to the environment as a result of the approved operation of the facility. Any proponent, who seeks to vary any aspect of the siting or operational conditions of these guidelines, must show clear and convincing evidence that the design, construction or operation of the facility is distinctive in some way that allows for compliance with the purpose and intent of the guidelines.

Wood Waste Disposal facilities are subject to the *Clean Environment Act* and the *Fees for Industrial Approvals Regulation 93-201*. The operators of Wood Waste Disposal facilities are required to obtain and comply with an Approval to Operate and/or an Approval to Construct issued by the Minister of the Environment under the *Water Quality Regulation – Clean Environment Act*.

The following guideline is divided into 3 classes of sites:

- 1) a yard scrapings disposal and wood waste storage site of up to 1 hectare.
- 2) a wood waste disposal site of up to 3 hectares of disposal area
- 3) a wood waste disposal site of in excess of 3 hectares of disposal area.

The guideline conditions are cumulative and progressively more stringent as the size of the facility expands. Take note that the guideline conditions for a yard scrapings and storage facility also apply to the larger disposal sites and the conditions for a disposal site of up to 3 hectares also applies to sites in excess of 3 hectares. Some conditions, setback distances for example, vary from one class of site to another and, where that is the case, the more stringent condition applicable to the class of site under consideration will apply. The conditions of an Approval to Operate issued by the Department for the facility take precedence over the conditions of this guideline.

Existing non-conforming facilities should make every effort to bring their facility into conformance with this guideline and their approval to operate the facility.

PROTOCOL:

1 YARD SCRAPINGS DISPOSAL and WOOD WASTE STORAGE SITES OF UP TO ONE HECTARE:

1.1 This section of the guideline pertains to a site with a disposal area approved for up to one hectare (10,000 m²) in area and up to 3 metres in depth. Sites with a disposal area greater than one hectare in area must comply with section 2 of this guideline for a wood waste disposal site.

1.2 This guideline is for sites owned and operated by the sawmill for the sole purpose of storage of wood wastes and/or for the disposal of yard scrapings generated by that sawmill. Other proponents (e.g. 3rd party operators) must register under the Environmental Impact Assessment Regulation.

1.3 Every effort should be made to recycle/reuse as much material as possible to minimize the amount of wood waste requiring disposal.

1.4 For the purpose of this guideline, *storage* is defined as a seasonal accumulation of wood materials for subsequent utilization. Storage of wood materials for a period longer than 1 year is, for the purpose of this guideline, to be considered to be *disposal* of the wood waste and the protocol for a wood waste disposal site would apply.

1.5 For the purpose of this guideline, *Yard scrapings* are defined as a waste consisting of a minimum of 80% gravel and less than 20% wood fibre on a dry weight basis. Yard scrapings are produced at saw mills annually as a result of their operational practise of periodically removing the top layer of gravel in the log storage yards and replacing it with fresh gravel. Yard scrapings may be used at a wood waste storage site to level the area and construct working pads.

1.6 Wood waste that may be accepted at this type of facility includes yard scrapings for disposal purposes and land clearing debris (grubbings), bark, sawdust and woodchips from untreated lumber for storage purposes.

1.7 Treated lumber, sawdust and/or chips from treated lumber or resin bonded wood products and hot pond solids are not acceptable for storage at this type of facility.

1.8 The proponent is to submit:

- 1) Part I and sections A, E and G of Part II of the application for approval of a source (attached in section D) and,
- 2) a wood waste disposal or storage site application form (attached in section C) complete with site drawings of the proposed facility

to the Approvals Branch of the Department of the Environment a minimum of four weeks prior to requiring approval for the Site.

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

1.10 The proponent should arrange for an inspection of the proposed facility by an environmental inspector 10 working days prior to submitting the project application.

1.11 An Approval to Operate is to be obtained from the Department of the Environment prior to any wood waste being disposed.

1.12 Separation distances are necessary in order to minimize potential environmental conflicts between non-compatible land uses. Listed below are the required set back distances to the proposed disposal or storage area.

Domestic Water Supply Wells	300 m
Institutional Land Use	300 m
Residence	300 m
Industrial/Commercial Land Use	100 m
Perennially Flowing Surface Water Body such as a river or lake identified on the L.R.I.S. 1:10,000 scale orthophoto maps	100 m
Wetlands	30 m
Right-of-Way of Public Roads	50 m
Distance to Property Line	50 m *
Protected Drinking Watershed	75 m
Wellfield Protected Area	not permitted

* 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.

1.13 The following factors should be incorporated in site selection:

- a) Within compatible land uses;
- b) Minimizing disruption of residential areas by trucking of material;
- c) An all weather access road;
- d) Access to a year round supply of suitable cover material;
- e) The area between the disposal area and the property lines should be a treed or bermed buffer zone.

1.14 For the purpose of this guideline a public road is a roadway listed as a Designated Public Highway and scheduled for regular maintenance or a designated municipal public road or street.

1.15 It is necessary to obtain written verification from the local, regional or municipal planning authority that the proposed facility will meet the zoning requirements.

1.16 The wood waste is not to be placed in free-standing water or areas subject to flooding.

1.17 Surface water should be directed around rather than over or through the wood waste.

1.18 The wood waste stored at the site should not exceed 3 metres in depth and side slopes of the pile should not exceed 1.5 horizontal to 1 vertical.

1.19 The burning of wood waste material is not permitted at a wood waste storage site.

1.20 Where necessary or as directed by an Inspector, dust and erosion control measures should be implemented such that neighbouring receptors are not impacted by in excess of 120 µg/m³ of particulate matter or sediment laden runoff leaving the facility and entering nearby watercourses contain total suspended solids in excess of 25 mg/l.

1.21 The facility, when no longer in use as a wood waste storage facility or having completed its useful life as a yard scrapings disposal facility, should be closed and covered using an appropriate combination of granular and/or growing medium materials, subject to the approval of the Department. The grades of the closed facility should blend in to the surrounding terrain.

1.22 A closure plan should be submitted to the Department 6 months prior to the closure of the facility for review and approval.

1.23 Site access is to be restricted to the sole use of the proponent by means of a locked gate or equivalent, and all activities are to be supervised by the proponent.

1.24 The proponent should comply with any additional requirements of Acts, Regulations or bylaws of any Provincial or Federal Department or municipality having jurisdiction.

1.25 A Wetland and Watercourse Alteration Permit must be obtained and followed prior to any activities within 30 metres of a watercourse or wetland.

1.26 The proponent should have an up to date fire prevention and response plan in place and the men, machinery and supplies readily at hand to implement the plan in case of fire at the facility.

1.27 A yard scrapings and storage site approved for up to a one hectare may not be expanded without the Department's prior written consent and is subject to the following with respect to conditions for the approval of Wood Waste Disposal Site (up to 3 hectares).

2 WOOD WASTE DISPOSAL SITES (up to 3 hectares):

A wood waste disposal site of up to 3 hectares should comply with the requirements for a one hectare yard scrapings and storage site listed above, and *in addition*, comply with the following requirements:

2.1 Wood waste disposal sites of up to 3 hectares are required to register under the *Environmental Impact Assessment Regulation*, comply with any subsequent Determination or conditions from the Minister or the Lieutenant Governor in Council and receive an Approval to Operate under the *Clean Water Act* prior to proceeding.

2.2 Every effort should be made to recycle/reuse as much material as possible to minimize the amount of wood waste requiring disposal.

2.3 Wood waste may be disposed at the site within the approved disposal area to a maximum height of 5 metres.

2.4 Hot Pond solids, sludges and/or liquids may not be accepted at a wood waste disposal site of up to 3 hectares. Dewatered hot pond solids and/or dewatered sludges containing a minimum of 15% solids, on a wet weight basis, may be accepted if specifically approved and subject to any conditions of that approval.

2.5 Ash may only be accepted at a wood waste disposal site if specifically approved in an Approval to Operate issued for the facility and subject to any conditions of that approval. The proponent should explore all recycling and reuse options for the ash before applying for approval to dispose of the material.

2.6 Separation distances are necessary in order to minimize potential environmental conflicts between non-compatible land uses. Listed below are the required set back distances to the proposed Disposal Area.

Domestic Water Supply Wells	300 m
Institutional Land Use	300 m
Residence	300 m
Industrial/Commercial Land Use	150 m
Perennially Flowing Surface Water Body such as a river or lake identified on the L.R.I.S. 1:10,000 scale orthophoto maps	150 m
Wetlands	30 m
Right-of-Way of Public Roads	150 m
Distance to Property Line	50m*

Protected Drinking Watershed	75 m
Wellfield Protected Area	not permitted

* 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.

2.7 Waste wood should be placed a minimum of 1.5 metres above the seasonal high groundwater table and bedrock and the disposal area should be underlain with relatively impermeable insitu soils with a minimum of 15-35% fines.

2.8 The installation of groundwater monitoring wells with dedicated sampling devices and the identification of surface water monitoring locations is required. There should be a minimum of three appropriately constructed monitoring wells installed, and the location, construction and monitoring of these monitoring wells is to be supervised and/or conducted by a qualified professional and approved by the Department of the Environment. A minimum of two surface water sampling stations should be established if a watercourse or wetland is located within 200 metres downgradient of the site, one upstream and one downstream of the site. The monitoring wells must be constructed and developed, the well logs and a site drawing identifying the disposal area, monitoring well locations and stream sampling locations must be submitted to the Department for review and the wells and stream sampling stations must also be sampled and analysed for Leachate Monitoring Parameters prior to acceptance of any wood waste at the Site.

2.9 The installation of groundwater monitoring wells with dedicated sampling devices and the identification of surface water monitoring locations is required. There should be a minimum of three appropriately constructed monitoring wells installed initially, and the location, construction and monitoring of these monitoring wells is to be supervised and/or conducted by a qualified professional and approved by the Department of the Environment. A minimum of two surface water sampling stations should be established if a watercourse or wetland is located within 200 metres downgradient of the site, one upstream and one downstream of the site. The monitoring wells must be constructed and developed in an appropriate manner. The well logs and a site drawing that [identifies the disposal area](#), the [monitoring well locations](#) and the [stream sampling locations must be submitted](#) to the Department for review and the wells and stream sampling stations must also be sampled [and analysed for Leachate Monitoring Parameters](#) prior to acceptance of any wood waste at the Site. Additional monitoring wells may be required to address site specific needs or as the facility expands over time.

2.10 Compliance monitoring at the site should be conducted by a qualified and independent professional using appropriate protocols.

2.11 The proponent shall ensure that all laboratory data provided to NB Environment under their approval to operate the facility is generated by laboratories that are accredited to ISO/IEC 17025 by an accreditation body meeting the requirements of ISO/IEC 17011 for the requested parameters. The Standards Council of Canada (SCC) and the Canadian Association for Laboratory Accreditation Inc. (CALA) are recognised as acceptable laboratory accreditation bodies. In addition, the proponent should comply with any

additional laboratory testing requirements that may be imposed in the future as part of the Department's anticipated analytical testing guideline.

2.12 A subsurface investigation report shall be prepared by a competent professional, agreeable to the Department, and submitted to the Director, Approvals Branch, prior to any waste wood being accepted at the site. The report should include and verify:

- the soils below the site are relatively impermeable with a minimum of 15%-35% fines,
- the depth to bedrock and groundwater within the disposal area is greater than 1.5 metres,
- the monitoring well construction details c/w stratigraphy, elevations, groundwater elevations, well locations and,
- a site map showing the topography, property boundaries, disposal area, stream sampling stations, monitoring wells and groundwater flow direction.

2.13 The monitoring wells and surface water sampling stations should be sampled by the qualified professional and analysed for the following "Leachate Monitoring" parameters twice a year:

LEACHATE MONITORING Parameters:

BTEX/TPH	Colour	Nickel
Ammonia Total	Conductivity	Nitrite/Nitrate
Alkalinity - total	Copper	pH
Aluminum	Dissolved Oxygen	Potassium
Arsenic	Dissolved Organic Carbon	Ortho-Phosphate
Biological Oxygen Demand	Hardness	Sodium
Cadmium	Iron	Sulphate
Calcium	Lead	Suspended Solids, Total
Chemical Oxygen Demand	Lignins & Tannins	Zinc
Chloride	Magnesium	Groundwater elevations
Chromium	Manganese	

2.14 A site must be developed in cells arranged in a manner to minimize the operational footprint of the facility. Each cell must be filled to the design grades before moving to a new cell and each cell should be sized to accommodate the waste received at the site in a year. The arrangement of the cells, the design of the final profile of the facility and the design of the cover system must be submitted to the Department in a Wood Waste Disposal Site Development Plan for review and approval prior to acceptance of waste at the site. Survey control points should be established and maintained for each site

2.15 As an integral part of the leachate management plan, the approved cover system must be applied each year in the life of the facility to the waste in the previous year's cell and any other areas where waste has accumulated to final grades.

2.16 As the facility reaches approved capacity, or a portion of the facility meets final grades, the wood waste is to be shaped to a maximum slope of 3(h):1(v) and a minimum of 5% top slope to minimize surface water and precipitation infiltration, covered with a minimum of 300

mm of low permeability soil with a hydraulic conductivity of less than 1×10^{-7} cm/sec, 150 mm growing medium and revegetated.

2.17 A site approved for up to three hectares may not be expanded without the prior written consent of the Department and should the expansion be approved then the following conditions with also apply to the site.

3. SITES WITH DISPOSAL AREAS EXCEEDING 3 HECTARES:

Sites approved for more than 3 hectares should comply with the requirements for an up to 3 hectare disposal site listed above and *in addition* comply with the following requirements:

3.1 Every effort should be made to recycle/reuse as much material as possible to minimize the amount of wood waste requiring disposal.

3.2 The disposal cells must have a liner system consisting of a minimum of 600 mm of soil with a hydraulic conductivity of 1×10^{-7} cm/sec or approved equivalent.

3.3 A Wood Waste Disposal Site that is in compliance with this guideline and in compliance with any Approvals issued for the construction or operation of the facility may dispose of wood waste in depths of up to 10 m.

3.4 Hot Pond solids and sludges generated by the approval holder of the disposal site may be accepted at a wood waste disposal site approved for a disposal area of greater than 3 hectares of wood wastes only if the solids and/or sludges are dewatered to a minimum of 15% solids. Liquid wastes including, but not limited to sludge and hot pond solids with less than 15% solids, may not be accepted at any wood waste disposal or storage site.

3.5 The facility must be developed in a cellular manner with each cell designed to accommodate the disposed waste for one year and a final cover installed over the surface of the previously-used cell by September of each year.

3.6 A clay lined berm must be constructed around the perimeter of the area of the Wood Waste Disposal Site that is currently accepting wood waste. The berm must be a minimum of 1.5 m in height, with side slopes of a maximum of 2(h):1(v) and, in conjunction with the liner system, raised, expanded or extended as necessary to capture and contain all leachate generated within the disposal area until the leachate is captured by the leachate collection system and transported to the leachate pond. An open space, a minimum of 1 m in width from the interior toe of the berm to the waste and a minimum of 1.5 m in height must be maintained in each cell until the cell has been closed and covered

3.7 An appropriate leachate collection system must be constructed for each cell. The design and operation of the leachate collection system must accommodate all leachate and/or precipitation impacting the cell such that a minimum of 1 m freeboard is maintained from any ponded liquids within the cell to the top of the lined portion of each adjacent berm of the cell.

3.8 The leachate collection system should incorporate secondary leachate collection devices in each cell, including sumps constructed with grated standpipes for use if the main leachate

collection system becomes blinded with silt or debris. The standpipes must be capped or otherwise decommissioned prior to final closure of the cell.

3.9 Regular maintenance should be conducted on the leachate collection system to ensure that the system remains free flowing.

3.10 Leachate must be collected from each cell and transported by way of an appropriate non-perforated leachate pipeline to the leachate treatment system.

3.11 A leachate treatment system must be designed by a professional experienced in the work and constructed, maintained and operated in such a manner that the leachate meets the leachate discharge standards established in the Approval to Operate issued for the facility. The leachate treatment system must include, at a minimum, an appropriately sized and lined leachate holding pond with level controls.

3.12 The monitoring wells, influent to the leachate pond, leachate discharge and surface water sampling stations should be sampled by a qualified professional and analysed for the following "Leachate Monitoring" parameters twice a year:

LEACHATE MONITORING Parameters:

BTEX/TPH	Colour	Nickel
Ammonia Total	Conductivity	Nitrite/Nitrate
Alkalinity - total	Copper	pH
Aluminum	Dissolved Oxygen	Potassium
Arsenic	Dissolved Organic Carbon	Ortho-Phosphate
Biological Oxygen Demand	Hardness	Sodium
Cadmium	Iron	Sulphate
Calcium	Lead	Suspended Solids, Total
Chemical Oxygen Demand	Lignins & Tannins	Zinc
Chloride	Magnesium	Groundwater elevations
Chromium	Manganese	

3.13 The effluent of the Leachate Holding Pond should be sampled twice per year by a qualified professional and analysed for Acute Lethality. The operator of the Wood Waste Disposal Site should ensure that the effluent from the leachate holding pond is Non Acutely Lethal when tested as per the 96-hour static acute lethality test in accordance with the latest version of "Reference Method for Determining Acute Lethality of Effluents to a Rainbow Trout" Report EPS 1/RM/13, Second Edition, December 2000, Environment Canada (*Oncorhynchus myliss*). Test results shall be considered a "pass" or "non acutely lethal" if at least 50% survival of the test fish is observed in the 100% effluent and no mortality occurs in the control using the EPS 1/RM/13 method.

3.14 If testing or monitoring indicates that the effluent of the leachate monitoring pond is acutely lethal to rainbow trout, the operator of the Wood Waste Disposal Site should immediately:

- 1) Report the test result to the Department.
- 2) Collect another sample of the effluent and have it analysed for acute lethality. Report the results of this follow up testing to the Department upon receipt of the results.
- 3) Develop a mitigation plan and submit the plan and an implementation schedule to the Director within 30 days of the receipt of the original failed test, for review and approval.

3.15 The proponent should notify the Department a minimum of 90 days of their intention to close the facility. There may be a requirement to register the closure under the Environmental Impact Assessment Regulation (EIA) and the closure will likely require an approval to construct the work. Contact the Project Assessment Section of the Project Assessment and Approvals Branch for additional information on the EIA requirements.

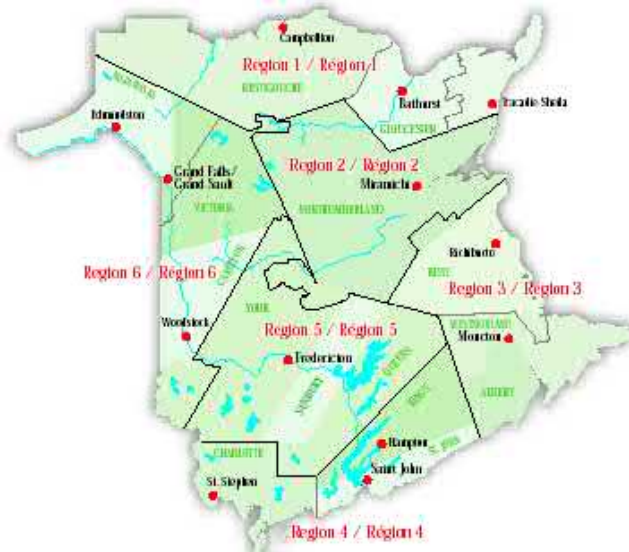
For additional information on a Wood Waste Disposal or Storage Site, please contact:

**PROJECT ASSESSMENT &
APPROVALS BRANCH**

Department of the Environment and Local
Government
20 McGloin Street

PO Box 6000
Fredericton, NB E3B 5H1
Telephone: (506) 444-4599
Fax: (506) 457-7805

Or a regional office of the Department at:



BATHURST

159 Main St, Suite 202
P.O. Box 5001
Bathurst, NB E2A 3Z9
Telephone: (506) 547-2092
Fax: (506) 547-7655

MIRAMICHI

316 Dalton Avenue,
Miramichi, N.B. E1V 3N9
Telephone: (506) 778-6032
Fax: (506) 778-6796

GRAND FALLS

65 Broadway Blvd.
Grand Falls, NB E3Z 2J6
P.O. Box 5001
Grand Falls, NB E3Z 1G1
Telephone: (506) 473-7744
Fax: (506) 475-2510

MONCTON

428 Collishaw St.,
Moncton, NB E1C 8R3,
P.O. Box 5001,
Moncton, NB E1C 8R3
Telephone: (506) 856-2374
Fax: (506) 856-2370

FREDERICTON

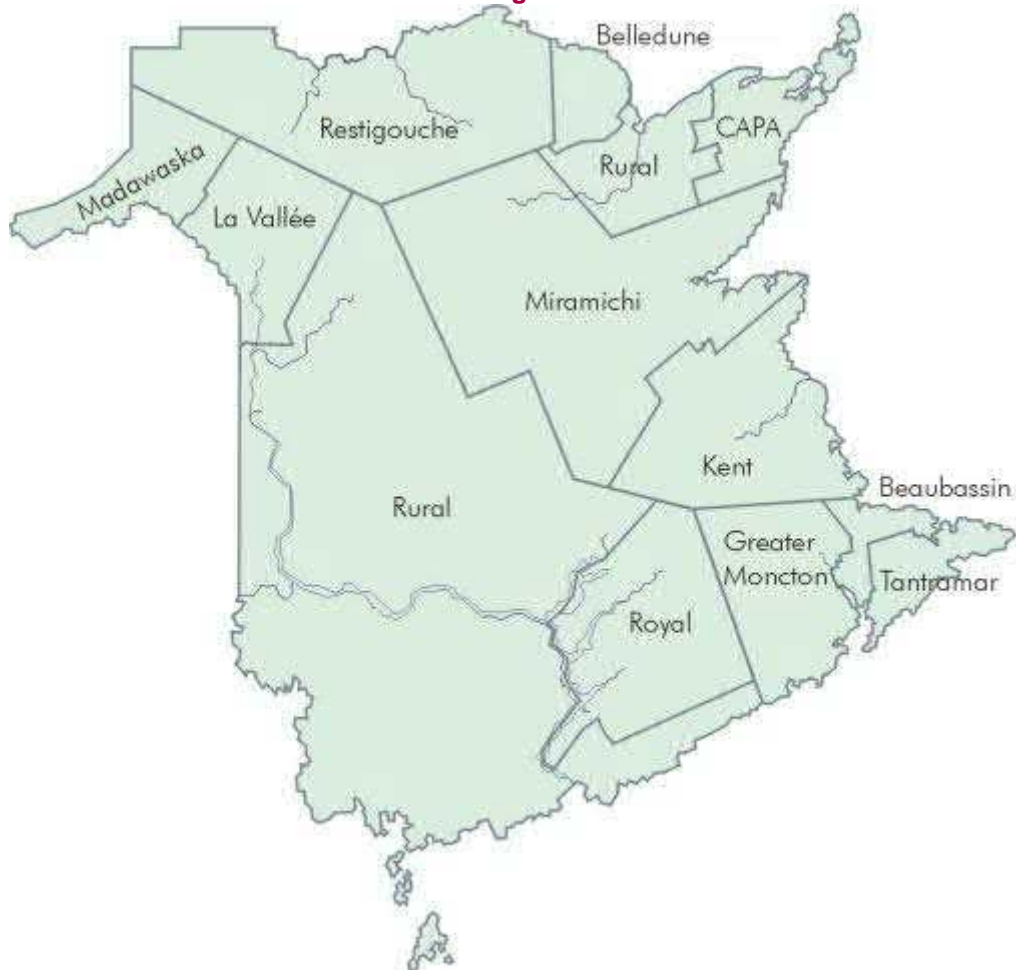
565 Priestman St., Suite 103
Fredericton, NB E3Z 1G1
P.O. Box 6000,
Fredericton, NB E3B 5H1
Telephone: (506) 444-5149
Fax: (506) 453-2838

SAINT JOHN

8 Castle St.,
Saint John, NB E2L 3B8
P.O. Box 5001
Saint John, NB E2L 4Y9
Telephone: (506) 658-2558
Fax: (506) 658-3046

Section B

District Planning Commissions



[[Madawaska](#) | [La Vallée](#) | [Restigouche](#) | [Belledune](#) | [Rural](#) | [CAPA](#)]
[[Miramichi](#) | [Kent](#) | [Royal](#) | [Greater Moncton](#) | [Beaubassin](#) | [Tantramar](#)]

Madawaska District Planning Commission

P.O. Box 515, Carrefour l'Assomption
121, rue Église, Local 209
Edmundston, N.B. E3V 1J9
Tel: (506) 735-2126
Fax: (506) 735-2670

La Vallée District Planning Commission

65 Broadway Blvd., Unit 300
P.O. Box 7301
Grand Falls, NB., E3Z 2J6
Tel: (506) 475-2511
Fax: (506) 457-2516

Restigouche District Planning Commission

P.O. Box 794
196 Water Street
Campbellton, N.B. E3N 3H2
Tel: (506) 789-2595
Fax: (506) 789-2594

Belledune District Planning Commission

702, rue Principale
Unité 130
Petit-Rocher, N.B. E8J 1V1
Tel: (506) 542-2688
Fax: (506) 542-2642

Rural Planning District Planning Commission

65 Brunswick Street
Victoria Health Centre
Fredericton, N.B. E3B 1G5
Tel: (506) 453-2956
Fax: (506) 457-4896

Acadian Peninsula District Planning Commission

P.O. Box 5517
149, boul. St. Pierre O.
Caraquet, N.B. E1W 1B7
Tel: (506) 727-7979
Fax: (506) 727-7990

Miramichi District Planning Commission

Economic Development Centre
158 Wellington Street
Miramichi, N.B. E1N 1L9
Tel: (506) 778-5359
Fax: (506) 778-5360

Kent District Planning Commission

Richibucto:

P.O. Box 309
Place Cartier, Boulevard Cartier
Richibucto, N.B. E0A 2M0
Tel: (506) 523-1820
Fax: (506) 523-1821

Bouctouche:

P.O. Box 370
211 Irving Blvd.
Bouctouche, N.B. E0A 1G0
Tel: (506) 743-1490
Fax: (506) 743-1491

Rogersville:

P.O. Box 370
211 Irving Blvd.
Bouctouche, N.B. E0A 1G0
Tel: (506) 775-2080
Fax: (506) 775-2090

Royal District Planning Commission

49 Winter St.
Unit 1
Sussex, NB E4E 2W8
Tel: (506) 432-7530
Fax: (506) 432-7539
Email: info@royaldpc.com

Greater Moncton District Planning Commission

655 Main Street
City Hall
Moncton, N.B. E1C 1E8
Tel: (506) 857-0511
Fax: (506) 859-2683

Beaubassin District Planning Commission

Cap Pelé

P.O. Box 459
31, rue St-André
Cap-Pelé, N.B. E0A 1J0
Tel: (506) 577-2040
Fax: (506) 577-2042

Shediac

P.O. Box 969
170 Main Street
Shediac, N.B. E0A 3G0
Tel: (506) 532-7000
Fax: (506) 532-6156

Tantramar District Planning Commission

6 York Street
Sackville, N.B. E0A 3C0
Tel: (506) 364-4701
Fax: (506) 536-4422

Section C



**APPLICATION FORM FOR THE SITING OF
WOOD WASTE DISPOSAL or STORAGE SITE**

PROJECT IDENTIFICATION:

Name and Address of Applicant: _____

Telephone: () _____

Contact Person: _____

Telephone: () _____

Name and Address of Landowner
of Proposed Disposal Site: _____

Telephone: () _____

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

Municipal Address of
Proposed Disposal Site Location: _____

PROJECT DETAILS:

Project Description: _____

Proposed Disposal Area: _____

Types of Material: _____

Have recyclable materials been removed? Yes _____ No _____

Is a Letter of Approval from the landowner of the proposed disposal Site attached Yes _____ No _____

Is a Letter of Approval for the proposed Site from the local, regional or municipal planning authority attached? Yes _____ No _____

Proposed project start date: _____

Completion date: _____

SITE DETAILS:

Indicate the separation distances from the proposed Disposal Area to the nearest:

Water Supply Well: _____

Residence: _____

Institutional Land Use: _____

Industrial/Commercial Land Use: _____

Perennially Flowing Surface Water body: _____

Wetland: _____

Right-of-Way of a Public Road: _____

Distance to Property Line: _____

Provide a scaled drawing (1:10,000) indicating the Property Identification Number (PID), the location of the proposed Disposal Area on the property and the applicable setback distances. (attach an extra sheet if space provided is not adequate)

Describe the type of area being infilled: (e.g. gravel pit, treed property,)

Attach any additional information that would assist in processing this application.

Signature of Applicant: _____

Print name of applicant: _____

Date: _____

Section D

Application Form for Approval of a source

Application Form Formulaire de demande

*Requesting Approval of a Source
Air Quality Regulation - Clean Air Act
Water Quality Regulation - Clean Environment Act
Used Oil Regulation - Clean Environment Act*

*d'agrément pour une source
Règlement sur la qualité de l'air – Loi sur l'assainissement de
l'air
Règlement sur la qualité de l'eau – Loi sur
l'assainissement de l'environnement
Règlement sur l'huile usée - Loi sur l'assainissement de
l'environnement*

The *Air Quality Regulation* filed under the *Clean Air Act*, and the *Water Quality Regulation* and *Used Oil Regulation* filed under the *Clean Environment Act* of the Province of New Brunswick require the Owners or Operators of a source of any contaminant to the environment, to apply for and obtain approval for the construction, operation and modification of the source. The application for approval is required to be made on a form provided by the Minister.

The following application form is provided by the Minister for these purposes. The form consists of two parts and include:

**Part I - General Information; and
Part II - Technical Information**

Please complete **Part I** of this application form and submit it to the Department of Environment at the address or fax number provided below.

After the Department reviews the completed Part I, you will be advised, in writing, what Technical Information in **Part II** is required to complete the processing of your application.

Please Mail or Fax your Completed Application To:
APPROVALS BRANCH
DEPARTMENT OF ENVIRONMENT
P. O. BOX 6000
3RD FLOOR, MARYSVILLE PLACE
FREDERICTON, NB E3B 5H1
FAX: (506) 457-7805

(NOTE: IF FAXING APPLICATION, PLEASE ALSO MAIL
THE ORIGINAL SIGNED VERSION)

Le *Règlement sur la qualité de l'air* établi en vertu de la *Loi sur l'assainissement de l'air* et le *Règlement sur la qualité de l'eau* et le *Règlement sur l'huile usée* établi en vertu de la *Loi sur l'assainissement de l'environnement* de la province du Nouveau-Brunswick obligent le propriétaire ou l'exploitant d'une source qui rejette des polluants dans l'environnement, à demander et à obtenir un agrément pour l'aménagement, l'exploitation ou la modification d'une source. La demande d'agrément doit être soumise sur un formulaire fourni par le ministre.

Le ministre fournit le formulaire de demande qui suit pour remplir ces exigences. Le formulaire comprend deux parties :

**Partie I – Renseignements généraux
Partie II – Renseignements techniques**

Veillez remplir la **partie I** du présent formulaire de demande et l'envoyer au ministère de Environnement à l'adresse ou au numéro de télécopieur indiqué ci-dessous.

Lorsque le ministère aura terminé l'examen de la Partie I, vous serez avisé, par écrit, des renseignements techniques qui sont exigés dans la **Partie II** afin de terminer le processus de votre demande.

Veillez Poster ou Envoyer par Télécopieur Votre
Demande dûment Remplie à :
DIRECTION DES AGRÈMENTS
MINISTÈRE DE ENVIRONNEMENT
C. P. 6000, 3^e ÉTAGE, PLACE MARYSVILLE
FREDERICTON (N-B) E3B 5H1
TÉLÉCOPIEUR 506 457-7805

(NOTA : SI VOUS FAITES PARVENIR VOTRE
DEMANDE PAR TÉLÉCOPIEUR, PRIÈRE
D'ENVOYER LA VERSION ORIGINALE SIGNÉE)

Requesting Approval of a Source
Air Quality Regulation - Clean Air Act
Water Quality Regulation - Clean Environment Act
Used Oil Regulation - Clean Environment Act

d'agrément pour une source
Règlement sur la qualité de l'air – Loi sur l'assainissement de
l'air
Règlement sur la qualité de l'eau – Loi sur
l'assainissement de l'environnement
Règlement sur l'huile usée - Loi sur l'assainissement de
l'environnement

<p>A. CLIENT INFORMATION</p> <p>Legal Name of Corporate Entity: _____</p> <p>_____</p> <p>Common Name of Facility or Operation (if different from legal name): _____</p> <p>Client Mailing Address - including postal station address, civic address (if applicable), and postal code:</p> <p>_____</p> <p>_____</p> <p>Contact Name: _____</p> <p>Title: _____</p> <p>Phone: _____ Ext. _____</p> <p>Fax: _____</p> <p>Cell Phone/Pager: _____</p> <p>Email: _____</p> <p>Web Address: _____</p>	<p>A. RENSEIGNEMENTS SUR LE REQUÉRANT</p> <p>Raison sociale (nom légal) de l'entité corporative : _____</p> <p>_____</p> <p>Nom courant de l'installation ou de l'exploitation (s'il diffère de la raison sociale) : _____</p> <p>Adresse postale du requérant – comprenant les adresses des succursales postales, l'adresse de voirie (s'il y a lieu) et le code postal :</p> <p>_____</p> <p>_____</p> <p>Personne-ressource : _____</p> <p>Titre : _____</p> <p>Tél. : _____ Poste : _____</p> <p>Télééc. : _____</p> <p>Tél. cellulaire/radiomessageur : _____</p> <p>Courrier électronique : _____</p> <p>Site Web : _____</p>
<p>B. FACILITY DESCRIPTION</p> <p>In the space provided, please describe the type of Facility to which this application applies. The description should include, as a minimum, a general description of the operation as well as the type and quantities of products being generated from the facility operation on an annual basis. Please reference and attach a separate sheet if more space is required.</p> <p>_____</p> <p>_____</p> <p>_____</p>	<p>B. DESCRIPTION DE L'INSTALLATION</p> <p>Dans l'espace prévu, veuillez décrire le type d'installation visée par la présente demande. L'information soumise devrait au moins comprendre une description générale de l'exploitation ainsi que le type et les quantités de produits provenant de l'exploitation de l'installation sur une base annuelle. Veuillez fournir les références et annexer une feuille séparée si l'espace est insuffisant.</p> <p>_____</p> <p>_____</p> <p>_____</p>

Requesting Approval of a Source
Air Quality Regulation - Clean Air Act
Water Quality Regulation - Clean Environment Act
Used Oil Regulation - Clean Environment Act

d'agrément pour une source
Règlement sur la qualité de l'air – Loi sur l'assainissement de l'air
Règlement sur la qualité de l'eau – Loi sur l'assainissement de l'environnement
Règlement sur l'huile usée - Loi sur l'assainissement de l'environnement

<p>Legal Name of Corporate Entity :</p>	<p>Raison sociale (nom légal) de l'entité corporative :</p>
<p>A. FACILITY LAYOUT</p> <p>Please provide a scale drawing that includes, as a minimum, the following items:</p> <ul style="list-style-type: none"> i) the location of all point sources (i.e. stacks or vents) of air emissions being released to the environment from the Facility; ii) the location of all discharge pipes of liquid effluent being released to the environment from the Facility; iii) other sources of contaminants being released to the environment (e.g. holding pond, lagoon, aggregate storage pile, sawdust pile, site access road, disposal site, etc.); iv) an illustration of the distance the Facility is located with respect to the nearest road, nearest house, nearest watercourse (including name), and/or potable water supply not owned by the applicant; and, v) an illustration of the property boundaries surrounding the Facility and the names of adjacent property owners. 	<p>A. DISPOSITION DE L'INSTALLATION</p> <p>Veillez fournir un dessin à l'échelle qui comprend au moins les éléments suivants :</p> <ul style="list-style-type: none"> i) l'emplacement de toutes les sources ponctuelles (par ex. : les cheminées ou les événements) d'émissions atmosphériques rejetées dans l'environnement à partir de l'installation; ii) l'emplacement de tous les tuyaux d'évacuation qui rejettent des effluents liquides dans l'environnement à partir de l'installation; iii) les autres sources de polluants rejetés dans l'environnement (par ex. : étang de retenue, étang d'épuration, entreposage des réserves d'agrégats, piles de sciures, chemins d'accès au site, lieu d'élimination, etc.); iv) un croquis indiquant la distance entre l'installation et les lieux à proximité comme : les chemins, les habitations, les cours d'eau (y compris leur nom), et les sources d'approvisionnement en eau potable qui n'appartiennent pas au requérant; v) un croquis indiquant les limites foncières entourant l'installation et les noms des propriétaires des biens-fonds adjacents.
<p>B. AIR EMISSION CHARACTERISTICS</p> <p>For those point sources of air emissions identified in the Facility Layout, please provide the following information:</p> <ul style="list-style-type: none"> i) the name and description of the process associated with the identified point sources of air emissions; ii) the stack and/or vent height above ground level, and its diameter, in metres (m), for each identified point source; iii) the exhaust gas volumetric flow rate in cubic metres per second (m³/s), or velocity in metres per second (m/s), and exhaust temperature in degrees Celsius (°C) for each identified point source; iv) the emission rate for each air contaminant associated with each identified point source in 	<p>B. CARACTÉRISTIQUES DES ÉMISSIONS ATMOSPHÉRIQUES</p> <p>Pour les sources ponctuelles d'émissions atmosphériques désignées dans la disposition de l'installation, veuillez fournir les renseignements suivants :</p> <ul style="list-style-type: none"> i) le nom et la description du procédé associé aux sources ponctuelles d'émissions atmosphériques établies; ii) la hauteur au-dessus du sol de la cheminée ou de l'évent, et son diamètre en mètres (m), pour chaque source ponctuelle désignée; iii) le débit volumétrique des gaz d'échappement en mètres cubes par seconde (m³/s) évacués, ou la vitesse en mètres par seconde (m/s), et la température

<p>grams per second (g/s). These air contaminants may include, but are not limited to: sulphur dioxide (SO₂), nitrogen oxides (NO_x), particulate matter (PM), carbon dioxide (CO₂), carbon monoxide (CO), and volatile organic compounds (VOCs). <u>Note:</u> If the emission rate is not known, an estimate should be made based on published emission factors for similar operations. For all data submitted, the method by which the data was measured or estimated should be clearly indicated;</p> <p>v) details on any pollution control devices used to reduce or eliminate the air contaminant emissions associated with an identified point source (e.g. method of operation and removal efficiency); and,</p> <p>vi) for new Facilities, please provide the baseline noise levels surrounding the Facility.</p>	<p>d'évacuation en degré Celsius (°C) pour chaque source ponctuelle désignée;</p> <p>iv) le taux d'émissions pour chaque polluant atmosphérique associé à chaque source ponctuelle désignée en grammes par seconde (g/s). Ces polluants peuvent comprendre, mais non exclusivement : l'anhydride sulfureux (SO₂), l'oxyde d'azote (NO_x), les particules (PM), le dioxyde de carbone (CO₂), le monoxyde de carbone (CO), et les composés organiques volatils (COV). <u>Nota :</u> si le taux des émissions est inconnu, une évaluation devrait être effectuée en fonction des coefficients d'émissions établis pour des exploitations similaires. La méthode utilisée pour mesurer ou évaluer toutes les données soumises devrait être clairement décrite;</p> <p>v) les détails de tous les dispositifs de contrôle antipollution utilisés pour réduire ou éliminer les émissions des polluants atmosphériques associés aux sources ponctuelles désignées (p. ex. : méthode d'exploitation et rendement de captation);</p> <p>vi) veuillez indiquer les niveaux de bruit de base entourant les nouvelles installations.</p>
<p>C. FUEL BURNING</p> <p>Please provide the following information regarding the fuel burning systems used at your facility:</p> <p>i) the rated capacity of each fuel burning system;</p> <p>ii) type of fuel used (e.g. natural gas, #2 fuel oil, Bunker C fuel oil, used oil, wood waste);</p> <p>iii) typical or estimated annual consumption in litres per year (L/yr);</p> <p>iv) in what process; and,</p> <p>v) fuel supplier.</p>	<p>C. BRÛLAGE DU MAZOUT</p> <p>Veuillez fournir les renseignements suivants concernant les systèmes de brûlage de mazout utilisés à votre installation:</p> <p>i) la capacité prévue de chacun des systèmes de brûlage de mazout;</p> <p>ii) le type de mazout utilisé (par ex. : gaz naturel, mazout n° 2, mazout lourd C, huile usée, copeaux de bois);</p> <p>iii) la consommation effective ou approximative annuelle en litres (l/année);</p> <p>iv) le procédé utilisé;</p> <p>v) le fournisseur de combustible.</p>
<p>D. LIQUID EFFLUENT CHARACTERISTICS</p> <p>For those discharge pipes of liquid effluent identified in the Facility Layout, please provide the following information:</p> <p>i) the name and description of the process associated with the discharge pipes, or other source, of liquid effluent;</p> <p>ii) the diameter and length (in metres) of each discharge pipe identified, as well as its depth below the low water mark;</p> <p>iii) the quantity of liquid effluent being released from each identified discharge pipe, or other source, in cubic metres per day (m³/day);</p> <p>iv) for each identified discharge pipe, details relating to the treatment of liquid effluent(s) prior to its release to the environment;</p> <p>v) for each identified discharge pipe or other source, a list of contaminants that may be released with the liquid effluent including the name of the</p>	<p>D. CARACTÉRISTIQUES DES EFFLUENTS LIQUIDES</p> <p>Pour les tuyaux d'évacuation des effluents liquides désignés dans la disposition de l'installation, veuillez fournir les renseignements suivants :</p> <p>i) le nom et la description du procédé associé aux tuyaux d'évacuation des effluents liquides, ou d'autres sources;</p> <p>ii) le diamètre et la longueur (en mètres) de chaque tuyau d'évacuation identifié, ainsi que sa profondeur en dessous de la laisse de basse mer ;</p> <p>iii) la quantité des effluents liquides évacuée de chaque tuyau d'évacuation désigné, ou d'autres sources, en cubes métriques par jour (m³/jour);</p> <p>iv) pour chaque tuyau d'évacuation désigné, les détails relatifs au traitement des effluents liquides avant leur rejet dans l'environnement;</p> <p>v) pour chaque tuyau d'évacuation désigné ou d'autres sources, une liste des polluants qui peuvent avoir été</p>

<p>vi) contaminant, its concentration in milligrams per litre (mg/L), and mass discharge rate in kilograms per day (kg/day). Contaminants may include, but are not limited to: biochemical oxygen demand (BOD), total suspended solids (TSS), acute toxicity, specific metals, pH, temperature, etc; and, the final destination of each identified discharge pipe, or other source, of liquid effluent (e.g. municipal system, on-site storage, a watercourse [include name], etc.)</p>	<p>rejetés avec les effluents liquides y compris le nom du polluant, sa concentration en milligrammes par litre (mg/l), et le débit rejeté cumulé en kilogrammes par jour (kg/jour). Les polluants peuvent comprendre, mais non exclusivement : la demande biochimique d'oxygène (D.B.O.), les matières solides totales en suspension (MST), la toxicité aiguë, les métaux spécifiques, le pH, la température, etc.;</p> <p>vi) le point de rejet final des effluents liquides pour chaque tuyau d'évacuation désigné, ou d'autres sources, (par ex. : système de traitement municipal, entreposage sur le site, cours d'eau (comprenant le nom), etc.)</p>
<p>E. WASTE STORAGE AND HANDLING</p> <p>For each type of waste (e.g. solvents, used oil, hazardous waste, solid waste) generated, stored, or handled on the site of the facility, please provide the following information:</p> <p>i) type of waste (solid, liquid, sludge) and how it is generated (i.e. in what type of process);</p> <p>ii) the rate at which the waste is generated in kilograms (kg) or litres (L) per month;</p> <p>iii) maximum volume stored, in kg or L, on site at any given time for each waste type;</p> <p>iv) the nature or characteristics of each waste type including the potential contaminants and their concentrations in the waste;</p> <p>v) what spill protection devices are employed for both storage and handling of each waste type; and,</p> <p>vi) where the waste is disposed (off-site, on-site), and the name of the facility off-site (if applicable) or the company who removes the waste.</p>	<p>MANUTENTION ET ENTREPOSAGE DES DÉCHETS</p> <p>Pour chaque type de déchets (par ex. : les solvants, l'huile usée, les déchets dangereux, les déchets solides) produits, entreposés ou manutentionnés sur le site de l'installation, veuillez fournir les renseignements suivants :</p> <p>i) le type de déchets (solides, liquides, boueux) et comment ils sont produits (par ex. : le genre de procédé utilisé);</p> <p>ii) le taux de production des déchets en kilogrammes (kg) ou en litres (l) par mois;</p> <p>iii) le volume maximum entreposé, en kg ou en l, sur le site en tout temps pour chaque type de déchets;</p> <p>iv) la nature ou les caractéristiques de chaque type de déchets, y compris les polluants potentiels et leurs concentrations;</p> <p>v) les dispositifs de protection contre les déversements qui sont utilisés pour l'entreposage et la manutention de chaque type de déchets;</p> <p>vi) le lieu où les déchets sont éliminés (hors site ou sur le site), et le nom de l'installation hors-site (s'il y a lieu) ou de l'entreprise qui ramasse les déchets.</p>
<p>F. CHEMICAL STORAGE AND HANDLING</p> <p>For all chemicals with a storage capacity <u>greater than 2000 litres</u> that are stored or handled on site, please provide the following information:</p> <p>i) trade name or common name of chemical;</p> <p>ii) Material Safety Data Sheets (MSDSs) for each chemical;</p> <p>iii) maximum quantity, in kilograms (kg) or litres (L), of each chemical on site at any given time;</p> <p>iv) chemical storage vessel details – bags, drums, dry or liquid bulk including sizes;</p> <p>v) whether each chemical is stored indoors or outdoors;</p> <p>vi) what spill protection devices are employed for both storage and handling of each chemical;</p> <p>vii) any special handling procedures for each chemical; and,</p> <p>viii) potential reactivity, corrosion, or explosion hazards from each chemical.</p>	<p>F. MANUTENTION ET STOCKAGE DE PRODUITS CHIMIQUES</p> <p>Pour tous les produits chimiques pour lesquels la capacité de stockage est supérieure à <u>2 000 litres</u> qui sont stockés ou manutentionnés sur le site, veuillez fournir les renseignements suivants :</p> <p>i) le nom commercial ou le nom commun du produit chimique;</p> <p>ii) les fiches signalétiques pour chaque produit chimique;</p> <p>iii) la quantité maximale, en kilogrammes (kg) ou en litres de chaque produit chimique sur le site en tout temps;</p> <p>iv) les détails du réservoir de stockage de produits chimiques – revêtement, fûts, produits secs ou liquides en vrac, y compris la taille;</p> <p>v) si des produits chimiques sont stockés à l'intérieur d'un bâtiment ou à l'extérieur;</p> <p>vi) quel genre de dispositifs de protection contre les déversements sont utilisés pour l'entreposage ou la manutention de chaque produit chimique;</p> <p>vii) tout procédé de manutention spéciale pour chaque</p>

	viii) produit chimique, le potentiel de réactivité, les risques de corrosion, ou les dangers d'explosion pour chaque produit chimique.
G. CONTINGENCY PLANS Please describe the contingency plan(s) that the Facility would employ to minimize environmental impacts during upsets, spills or other emergencies.	G. PLANS D'URGENCE Veuillez décrire le plan d'intervention d'urgence que l'installation devrait adopter pour limiter les effets sur l'environnement dans le cas d'anomalies, d'un déversement ou d'autres situations d'urgence.
H. OTHER COMMENTS Please provide information regarding any future plans for expansion, modifications, etc. and any other information which may assist the Department's review of this application.	H. AUTRES COMMENTAIRES Veuillez fournir des renseignements sur tout autre projet d'expansion, de modifications, etc. et toute autre information susceptible d'aider le ministère à effectuer l'examen de cette demande.
I. 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.	I. ATTESTATION Je comprends que le fait de présenter une déclaration trompeuse, fautive, ou incomplète constitue une infraction dans le cadre de cette demande, et que les formulaires incomplets ne seront pas traités. Je certifie, par les présentes, que les renseignements soumis sont véridiques.
Name of Applicant (Please Print) Signature of Applicant _____ Date _____	Nom du requérant (Imprimer s'il vous plaît) Signature du requérant _____ Date _____
<u>For Office Use Only:</u> Date Received: _____ <u>Status:</u> <input type="radio"/> Approval Required <input type="radio"/> Approval Not Required <input type="radio"/> Referral to Project Assessment (EIA) Branch	<u>À l'usage du bureau :</u> Date de réception : _____ <u>Statut :</u> <input type="radio"/> Agrément exigé <input type="radio"/> Agrément non exigé <input type="radio"/> Soumis à la Direction de l'évaluation des projets (EGL)