

Additional Information Requirements For Timber Processing Projects

Pursuant to Section 5(2) of the *Environmental Impact Assessment Regulation* of the Clean Environment Act, this document is intended to assist proponents in preparing a registration submission for projects involving the above-mentioned sector. It should be read in conjunction with the General Information Requirements as outlined in the latest version of the Registration Guide. Note that the following items are requirements **in addition to** those outlined in the Registration Guide. The information requested in the Registration Guide must also be provided. For further assistance, please contact the Project Assessment and Approvals Branch, Department of Environment at (506)-444-5382.

After reviewing a registration submission, the Technical Review Committee may require other information beyond the items listed below and in the Registration Guide.

Note: If your project involves any of the following components please contact the Canadian Environmental Assessment Agency, Atlantic Region at (902) 426-0564 to determine if your project requires a comprehensive study under the Canadian Environmental Assessment Act: a) a pulp mill, b) a pulp and paper mill, or c) the manufacturing of wood products that are pressure-treated with chemical products.

Definition

This guideline is applicable to all facilities for the commercial processing or treatment of timber resources other than fuelwood, except maple sugaries, shingle mills and sawmills producing less than one hundred thousand foot board measure annually.

A complete list of potential triggers for project registration is provided in Schedule "A" of the Regulation. To determine if registration is required for a specific project, please contact the Project Assessment and Approvals Branch at the number listed above.

1.0 THE PROPONENT

See Registration Guide

2.0 THE UNDERTAKING

(vi) Physical Components and Dimensions of the Project:

Provide a detailed description of the proposed project, addressing the requirements contained in the Registration Guide. For this class of project the required information includes but is not limited to the following:

- Provide an estimate of daily water use and describe the source of any required water supply, including hot ponds and reservoirs for fire fighting if applicable.
- If the project involves the processing of wood wastes or intermediate products from another facility, describe the source of such materials and describe how and where these materials will be stored. Describe how these products will be transported to the site.
- Ensure that the site plan includes all facilities including ancillary features such as parking lots, access roads, lighting, water supplies, wastewater treatment facilities, fuel storage tanks, pumps and lines, associated developments, etc.

(viii) Operation and Maintenance Details:

Provide a detailed description of the proposed project's operation and maintenance characteristics, addressing the requirements contained in the Registration Guide. For this class of project the required information includes but is not limited to the following:

- Describe the various production processes in sufficient detail for the Technical Review Committee to gain a full understanding of the project. Issues to discuss may include such features as boilers, digesters, scrubbers, strippers, control systems, waste treatment facilities, fuel sources (hog waste, liquor, fuel oil, natural gas, etc.), driers, presses, temperature control systems, lagoons, etc.
- For industrial facilities located in areas with no municipal services, provide preliminary information that establishes the feasibility of any private wastewater treatment systems that will be required (i.e. preliminary design, depth and permeability of site soils, location of any adjacent water wells, etc.). For additional information requirements, refer to the guidelines Additional Information Requirements for Water Works and Water Supply Projects, and Additional Information Requirements for Wastewater Treatment Projects.
- Describe the proposed method of storage and disposal of wood ash from wood waste burners/boilers.
- Describe the proposed method of storage and disposal of all wood wastes, including any recycling/after market uses (mulch, compost etc.).
- Provide preliminary emission specifications for any proposed equipment (boilers, burners, dust collection equipment, presses, dryers, etc.)
- Describe any proposed storage areas for hazardous substances (glues, resins, caustics, petroleum products, etc.) including any proposed secondary containment and or leak detection systems.
- Indicate the source of the required wood supply including any proposed or existing agreements with the Department of Natural Resources.

3.0 DESCRIPTION OF THE EXISTING ENVIRONMENT

Include all relevant environmental features as noted in the Registration Guide. Examples of issues that may be of particular relevance to this class of project include but are not limited to the following:

- For new facilities on vacant land, describe the use of the site by wildlife and birds, at different times of the year.
- For new facilities on vacant land, investigate the potential presence of any wildlife species listed under Schedule 1 of the federal Species at Risk Act (SARA) that may be affected by the proposal. SARA affords protection to wildlife species listed under Schedule 1 of the Act.

4.0 SUMMARY OF ENVIRONMENTAL IMPACTS

All anticipated impacts should be described and discussed. These will depend on the scope and complexity of the project as well as the project location. See the Registration Guide for further information. Examples of impacts resulting from this class of project may include but are not limited to the following:

- Provide a summary chart that describes the air and water emissions from various process elements (e.g. from the heating plant, lathe operation, chippers, veneer dryer hot press, treatment lagoons, etc.). Air emission estimates should include emissions from point sources (stacks and vents), area sources (work areas) and fugitive sources. Estimates of emissions may be derived from: operating experience from similar operations, the use of material and energy balances, the use of published emission factors (USEPA, 1995; USEPA, 2000; Environment Canada, 2003), and stack testing information from similar facilities already in operation. Other possible resources include: Air emissions(stationary point and area sources): process design information, equipment supplier specifications, material and energy balances, USEPA AP-42 emission (USEPA, 1995), National Pollutant Release Inventory estimation techniques (Environment Canada, 2003);Emissions from heavy equipment (mobile): USEPA AP-42 emission factors for mobile sources (USEPA, 2000); Wastewater releases: process design information, equipment supplier specifications, material and energy balances, National Pollutant Release Inventory estimation techniques (Environment Canada, 2003).
- Provide predictive air quality modeling that estimates the anticipated concentrations of pollutants such as particulates (PM 10), SO₂, formaldehyde, etc. at the property boundaries and at the nearest sensitive land use (residential, commercial, institutional, recreational, etc.).
- Describe the anticipated annual releases of any greenhouse gases.
- If applicable, testable impact predictions related to any loadings to the receiving environment should be offered for confirmation through future cycles in the environmental effects monitoring

(EEM) program required under the Pulp and Paper Effluent Regulations under the Canadian Environmental Protection Act.

- Describe the anticipated impact of the facility on existing local vehicular traffic volumes (impacts on residential areas are of particular concern)
- Provide noise and odour impact assessments for any sensitive land uses within 500m of the limits of the property containing the project.
- Characterize the post treatment chemical concentrations in any liquid effluent that will be released to the environment. Describe the anticipated impacts of the effluent plume, particularly on fish and fish habitat.

5.0 SUMMARY OF PROPOSED MITIGATION

Describe all mitigative measures that will be employed to minimize the potential environmental impacts identified above. These may include but are not limited to the following:

- Describe any proposed pollution control equipment and emission monitoring equipment/programs.

6.0 PUBLIC INVOLVMENT

See Registration Guide.

7.0 APPROVAL OF THE UNDERTAKING

See Registration Guide.

8.0 FUNDING

See Registration Guide.

9.0 SIGNATURE

See Registration Guide.

10.0 SUBMISSION INSTRUCTIONS

See Registration Guide.

OTHER APPLICABLE GUIDELINES



Depending on the details of the project, it may be appropriate to also consult the guidelines Additional Information Requirements for Water Works and Water Supply Projects, and Additional Information Requirements for Wastewater Treatment Projects.