

GUIDELINES

for an

Environmental Preview Report

for the

Southern Labrador Waste Disposal Facility

Honourable Dan Crummell

Minister

Department of Environment and Conservation

February 11, 2015

ENVIRONMENTAL PREVIEW REPORT GUIDELINES

The following guidelines are intended to assist the proponent, Labrador Straits Waste Disposal Incorporated, with the preparation of the Environmental Preview Report (EPR) for the proposed Southern Labrador Waste Disposal Facility. The EPR is a report that presents the results of an investigation based on readily available information that supplements the information already provided upon registration of the undertaking. The purpose of the information in the EPR is to assist the Minister of Environment and Conservation in making a determination as to whether an Environmental Impact Statement (EIS) will be required for the proposed undertaking. The EPR is expected to be as concise as possible while presenting the comprehensive information necessary to make an informed decision.

The EPR should include and update the information provided in the original registration and focus on the information gaps identified during the government and public review of the registration. The EPR should address the information gaps in sufficient detail to enable the Minister of Environment and Conservation to make an informed decision as to the potential for significant environmental effects from the undertaking.

The contents of the EPR should be organized according to the following format:

1. NAME OF UNDERTAKING:

The undertaking has been assigned the name "Southern Labrador Waste Disposal Facility."

2. PROPONENT:

Name the proponent and the corporate body, if any, and state the mailing address.

Name the chief executive officer if a corporate body, and telephone number, fax number and E-mail address (if any).

Name the principal contact person for purposes of environmental assessment and state the official title, telephone number, fax number and E-mail address (if any).

3. THE UNDERTAKING:

State the nature of the project.

State the purpose, rationale and the need for the project. Identify any broader private or public sector policies, plans or programs to which the objectives of the Project contribute, such as the Provincial Waste Management Strategy, the Environmental Standards for Labrador Landfills and the initiatives of the Multi-Materials Stewardship Board (MMSB). The Project will be designed to achieve the specific objectives for a non-containment landfill in Labrador, and these shall be described.

4. DESCRIPTION OF THE UNDERTAKING:

The EPR shall provide complete information concerning the preferred choice of location, design, construction, operation and maintenance standards.

4.1 Geographical Location/Physical Components/Existing Environment

Provide an accurate description of the proposed site, access road, facilities and equipment, including GPS location coordinates. Clearly indicate proximity of the site relative to existing residential areas, transportation routes, structures, cabins, trails, water bodies, floodplains, wetlands and wildlife migration corridors. Identify any nearby tourist attractions, scheduled salmon rivers, outfitters camps, parks, nature reserves, etc. Attach an original base map (1:25,000 scale) and/or recent air photos, identifying the above-noted features.

Provide a detailed site plan of the proposed waste disposal facility, including:

- location and dimensions of individual waste receptacle cells
- buildings and structures
- well and septic system
- designated areas for segregated waste such as used tires, construction and demolition materials, organics, recyclables, metals and hazardous waste
- designated area for stockpiling/storage of landfill cover material

Waste management areas shall be sized and designed to safely handle the anticipated volume to be received, processed, stored and, where applicable, shipped out, allowing for the maximum time delay between shipments.

Describe the topography, hydrogeology and soil permeability of the proposed site. Identify the height of the seasonal high groundwater table. Identify potential areas for the extraction of suitable landfill cover and capping material and estimate the volume of available material.

Provide information regarding ownership and/or zoning of the land upon which the project is to be located and any restrictions imposed by that ownership or zoning.

4.2 Construction:

The EPR shall present details, materials, methods, schedule, and location of all planned construction activities including, but not limited to the following:

- State the total project construction period (if staged, list each stage and its approximate duration) and the proposed date of the first physical construction-related activity;
- Describe the planned intersection of the access road with the Trans Labrador Highway and the methods to be used to ensure the intersection meets all applicable standards;
- Identify construction related signage standards to be followed to warn public highway users of work adjacent to the highway during construction, and detail safety protocols and best management practices to be implemented to prevent accidents from occurring;
- Describe the potential sources of pollutants during the construction period(s) including airborne emissions, noise, dust, liquid effluents, solid waste materials, surface water drainage, soil erosion and siltation, and describe all mitigative measures that will be undertaken to minimize environmental impacts;
- Describe any potential causes of resource conflicts during the construction and operations phases.

4.3 Operation and Maintenance:

The environmental standards for the siting and operating of a non-containment landfill in Labrador are contingent upon supporting waste management practices, including the segregation and diversion of hazardous household waste, metals (and white metals) and organics for proper disposal. The expansion of recycling and reuse programs and enhanced waste management education is also necessary for the success of waste management programs.

The EPR shall present all aspects of the operation and maintenance of the proposed waste disposal facility in detail, including the implementation of sustainable waste management practices supporting the diversion of hazardous wastes and the segregation and management of metals, recyclables and compostable organic material. The EPR shall demonstrate how the current practice of separating beverage containers from household waste will be supported and expanded, and shall provide future plans for the separation of residential paper and cardboard. While details for the segregation of organic

wastes may not be readily available, the EPR shall propose future plans, including timeframes, to incorporate this practice.

The EPR shall include the following details:

- List all communities that will be served by the regional waste disposal facility, and indicate the road distance from each community to the facility;
- Define a waste management plan that will facilitate the segregation and removal of hazardous household waste, separation of suitable organic material for composting, and expansion of recycling and reuse programs;
- Describe how collection and transport of segregated waste from each community will be achieved;
- Describe the anticipated annual volume and tonnage of waste material to be collected from each community;
- Indicate the frequency with which cover material will be placed on the landfill;
- Identify the number and type of vehicles and the equipment to be used in association with the operation and maintenance of the facility;
- Emphasize that vehicles transporting waste to the facility must be covered or they will be rejected;
- Describe how commercial/industrial waste will be managed at the facility;
- Describe how construction and demolition waste will be managed at the facility;
- Describe public education activities that will be implemented to support enhanced waste management practices;
- Describe how public access to the facility will be controlled/restricted, and indicate the height of proposed fencing and whether it will be permanent or removable;
- Describe how the appropriate level of training/certification will be provided to site managers, vehicle and equipment operators and/or any persons employed to work at the waste disposal facility.

Clarify the intended lifespan for this waste disposal site: is this a proposal for an interim site; a long term site (i.e. >5 years) for 14 communities; or a permanent consolidated site for all of Southern Labrador? Indicate the anticipated population to be served over the landfill lifespan, and the existing and anticipated waste volumes. The requirements for location and size of receptacle cells, as well as waste collection, storage, diversion, and disposal will vary based on the intended long-term plan for this waste disposal site.

5. ALTERNATIVES

The EPR shall identify and describe alternative means and locations of carrying out the Project that are technically and economically feasible. Some of the alternatives that may be discussed for this Project include the upgrading and expanding of existing landfills in the Southern Labrador region, and the installation of a landfill liner at the proposed new location to mitigate the potential environmental impacts associated with non-containment landfill. The following steps for addressing alternative means and locations are recommended:

- Identify any alternative means and locations to carry out the Project
- Identify the environmental effects of each alternative means and location
- Identify the **preferred** means and location
- Provide reasons for the rejection of alternative sites

Include information from previous project related studies describing alternate locations that were considered, including the expansion of existing sites, reasons for rejection, and reasons supporting the proposed site as the preferred location.

6. POTENTIAL ENVIRONMENTAL EFFECTS AND MITIGATION:

The EPR shall provide detailed information regarding the potential effects of the waste disposal facility on the environment and details of proposed mitigations.

Potential environmental effects associated with the operation of a landfill include, but are not limited to, leachate, surface water run-off, windblown debris, odours, visibility from public areas, and vectors such as mosquitos, rodents and animals. Define mitigative actions and programs that will be implemented to minimize adverse environmental effects, including the following:

- Design a leachate characterization, containment, collection and monitoring program and explain how it will be implemented;
- Describe containment, sloping and drainage features that will be constructed to reduce accumulations of surface water and site run-off;
- Outline an environmental monitoring plan, including groundwater monitoring wells, and describe how it will be implemented;
- Define animal, rodent and vector control practices that will be undertaken at the facility;
- Illustrate how site features (i.e. tree screen, sloping) will be utilized to minimize visibility of the facility from public areas;

The EPR shall consider the sensitivity of the Project to long-term climate

variability and provide a discussion of the potential environmental effects of the environment (e.g. increases in precipitation) on the Project. The EPR shall provide details of planning, design and construction strategies intended to minimize the potential environmental effects of the environment on the Project.

7. PROJECT- RELATED DOCUMENTS:

Provide a bibliography of all project-related documents already generated by or for the proponent (e.g., feasibility study, engineering reports, etc). Include in the EPR, any information contained in previous studies specific to this project that will be helpful in filling in gaps identified in the assessment of the initial registration document.

8. PUBLIC INFORMATION MEETING:

An Open House Public Information Session is required to be held in a centralized location within the region of Southern Labrador to present the information gathered to fulfill the requirements of Section 5 of these guidelines. You are required to notify the Minister and the public of the scheduled meeting not fewer than 7 days before that meeting. Public concerns should be addressed in a separate section of the EPR.

Protocol for these public sessions will comply with Section 10 of the Environmental Assessment Regulations, 2003. Public notification specifications are outlined in Appendix A.

9. APPROVAL OF THE UNDERTAKING:

The EPR shall list the main permits, licences, approvals, and other forms of authorization required for the undertaking, together with the names of the authorities responsible for issuing them (e.g., federal government department, provincial government department, municipal council, etc.). The requirement to obtain a Certificate of Approval to construct and operate a waste management system under the Environmental Protection Act applies to waste disposal facilities and composting facilities.

A quarry permit will be required for a nearby location(s) for: overburden, borrow material or some other type of suitable surficial deposit used to cover and cap the cells during the ongoing operation of the facility.

The proposed site lies just outside of a current mineral exploration license in an area of moderate to high mineral exploration potential. This operation must not

impede access to future mineral exploration in the area. Aggregate imported from off site for use during infrastructure development, e.g., cell base/bedding, must come from an approved quarry site.

The proponent shall be aware of all restricted materials listed in Section 5.0 of the Environmental Standards for Labrador Landfills (GD-PPD-073). A Certificate of Approval for this Waste Disposal Site will indicate requirements by which restricted materials shall be stored and managed.

The following guidance documents directly apply to this project:

- Environmental Standards for Labrador Landfills (GD-PPD-073).
- Environmental Standards for Municipal Solid Waste Landfill Sites (GD-PPD-049.1).
- Closure of Non-containment Municipal Solid Waste Landfills/Waste Disposal Sites (GD-PPD-062).

These documents are available at:

http://www.env.gov.nl.ca/env/env_protection/waste/index.html#wmsgd

- P. 4-5 of Environmental Standards for Labrador Landfills reference siting and waste diversion requirements, specifically for household hazardous waste, composting, and metals.
- Section 4.3 should comply with the *Environmental Protection Act, Parts IV, V and XI*; and *Waste Management Regulations, 2003 (O.C. 2003-226)* and *Waste Diversion Regulations (O.C. 2005-402)*.
- The proponent should consult with the Multi-Material Stewardship Board (MMSB) with respect to disposal bans, waste diversion opportunities, education and outreach.

10. DECOMMISSIONING AND REHABILITATION

Planning to maximize the safe and efficient use of property dedicated to waste management will also significantly reduce landfill closure costs and allow for productive future use of the site. The EPR shall describe all aspects of the decommissioning and rehabilitation plans for the project assuming the eventual need to eliminate the entire project footprint (including the access road) from the landscape.

Please forward a cover letter along with the required 10 paper copies of the EPR and an electronic version, to the following address:

Minister
Environment and Conservation
P.O. Box 8700
St. John's NL A1B 4J6

APPENDIX A

Public Notices

Under the provisions of the Environmental Assessment Regulations 2003, Section 10, and where the approved Guidelines require public information session(s), the following specified public notification requirements must be met by the proponent prior to each meeting:

PUBLIC NOTICE

Public Information Session on the Proposed

Name of undertaking
Location of undertaking

shall be held at
Date and Time
Location

This session shall be conducted by the Proponent,
Proponent name and contact phone number,
as part of the environmental assessment for this Project.

The purpose of this session is to describe all aspects of the proposed Project, to describe the activities associated with it, and to provide an opportunity for all interested persons to request information or state their concerns.

ALL ARE WELCOME

Minimum information content of public advertisement - (Proponent to substitute appropriate information for italicized items):

Minimum newspaper ad size: 2 column widths. Minimum posted ad size: 7" x 5"

Minimum newspaper ad coverage: Weekend preceding meeting and 3 consecutive days prior to meeting date; to be run in newspaper locally distributed within meeting area or newspaper with closest local distribution area.

Minimum posted ad coverage: Local Town or City Hall or Office, and local Post Office, within town or city where meeting is held, to be posted continually for 1 full week prior to meeting date.

