



Government of Newfoundland and Labrador
Department of Environment and Conservation

Honourable Ross Wiseman
Minister

October 19, 2011

COPY

GUIDELINES

for

Environmental Preview Report

for the

Bay de Verde Chitin Plant

ENVIRONMENTAL PREVIEW REPORT GUIDELINES

The following guidelines are intended to assist the proponent, Quinlan Brother's Limited, with the preparation of the Environmental Preview Report (EPR) for the proposed Bay de Verde Chitin Plant. The EPR is a report that presents the results of an investigation based on readily available information that supplements the information already provided by the proponent 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 effect 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 "Bay de Verde Chitin Plant."

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/need for the project. If the proposal is in response to an established need, this should be clearly stated.

4. DESCRIPTION OF THE UNDERTAKING:

Describe the technically and economically feasible alternative locations that meet the project need and their biophysical and socio-economic selection criteria. State reasons for the rejection of alternative locations.

Provide complete information concerning the preferred choice of location, design, construction standards, maintenance standards, etc.

4.1 Geographical Location:

Describe the proposed site, planned layout and infrastructure, on site buildings, storage silos etc. A site plan showing the layout of the proposed project and infrastructure should be drawn to scale. The appropriate 1:50,000 National Topographic Map should be used as a base map.

Provide information regarding ownership of the land upon which the chitin plant is to be located.

4.2 Construction:

State the total construction period (if staged, list each stage and its approximate duration) and proposed date of first physical construction-related activity for each viable alternative.

Describe the methodologies for the construction and/or placement of the proposed outfalls and intakes, including all permanent ancillary works (e.g. dredging, infilling, armour stone protection). Include scaled drawings of the proposed **outfalls and intakes, including all dimensions.**

The details, materials, methods, schedule, and location of all planned construction activities must be presented.

4.3 Operation and Maintenance:

All aspects of the operation and maintenance of the proposed development should be presented in detail. Including details on anticipated water demand at the plant; with a breakdown of fresh and saltwater usage, any treatment requirements for the water and the planned source of water.

5. POTENTIAL ENVIRONMENTAL EFFECTS and MITIGATION:

Provide detailed information regarding the wastewater treatment technology and monitoring to be used to ensure that effluent discharged to the environment from the proposed chitin plant meets the discharge limits specified in Schedule "A" of the *Environmental Control Water and Sewer Regulations* and the general provisions of the federal *Fisheries Act*. All sources of effluent must be identified and characterized, and treatment efficiencies for each component of the treatment

plant must be provided, so as to demonstrate that the discharge limits specified in Schedule "A" for B.O.D., dissolved solids, and other relevant parameters, and the requirements of the *Fisheries Act* (non acutely lethal discharge) will be met at all times. Intentional dilution of effluent for the purposes of meeting discharge limits is not acceptable.

Provide information on wash down water (if any) within the processing operation identifying the use of chemicals, wash down water collection and disposal practices. Will washdown water be treated within the processing wastewater operation? If discharged separately, its deposit must not violate section 36(3) of the *Fisheries Act*.

Provide information on any solid waste that will be generated at the chitin plant and plans for its disposal.

Describe any potentially hazardous chemicals that will be used at the chitin plant including storage practices and spill prevention.

Provide detailed information to confirm whether the Town of Bay de Verde's water supply has adequate yield to meet the freshwater demands of the proposed plant. Confirm if the freshwater requirements from the Towns water supply will be treated or untreated. If treated water is being used, confirm what impact this may have on the municipal water system (e.g. impacts on chlorine contact time). Describe and illustrate any modifications required to the existing municipal water supply infrastructure.

Provide detailed information on each of the saltwater wells including location, depth, any water quality information, well yield and results from any aquifer test.

Discuss the potential for nuisance odors from the proposed transport of raw materials through the Town of Bay de Verde and from the operation of the chitin plant.

Discuss the potential for attracting nuisance birds and other wildlife to the site from the proposed storage and handling of shellfish waste.

6. PUBLIC INFORMATION MEETING:

An Open House Public Information Session will be held in Bay de Verde 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 will be addressed in a separate section of the EPR.

Protocol for these sessions will comply with Section 10 of the Newfoundland and Labrador Environmental Assessment Regulations, 2000. Public notification specifications are outlined in Appendix A.

7. PROJECT- RELATED DOCUMENTS:

Provide a bibliography of all project-related documents already generated by or for the proponent (e.g., business plan, feasibility study, engineering reports, etc).

8. APPROVAL OF THE UNDERTAKING:

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.).

9. FUNDING:

If this undertaking depends upon a grant or loan of capital funds from a government agency (federal, provincial or otherwise), state the name and address of the department or agency from which the funds have been requested.

The required 10 copies of the EPR, and an electronic version for posting to the Environmental Assessment website, should be sent together with a covering letter to:

Minister
Environment and Conservation
P.O. Box 8700
St. John's, NF
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:

<p style="text-align: center;">PUBLIC NOTICE</p> <p style="text-align: center;">Public Information Session on the Proposed</p> <p style="text-align: center;"><i>Name of undertaking</i> <i>Location of undertaking</i></p> <p style="text-align: center;">shall be held at <i>Date and Time</i> <i>Location</i></p> <p style="text-align: center;">This session shall be conducted by the Proponent, <i>Proponent name and contact phone number,</i> as part of the environmental assessment for this Project.</p> <p style="text-align: center;">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.</p> <p style="text-align: center;">ALL ARE WELCOME</p>

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.

Any deviation from these requirements for any reason must receive prior written approval of the Minister of Environment and Conservation.