

GUIDELINES

for

Environmental Preview Report

for the

Deer Lake Dairy Secondary Processing Facility

Registration 2203

Honourable Bernard Davis

Minister

Department of Environment and Climate Change

October 2022

ENVIRONMENTAL PREVIEW REPORT GUIDELINES

The following guidelines are intended to assist the proponent, The Real Dairy Company of Newfoundland Ltd., with the preparation of the Environmental Preview Report (EPR) for the proposed Deer Lake Dairy Secondary Processing Facility. 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 Climate Change in making a determination as to the potential for significant environmental effects from the proposed undertaking and whether an Environmental Impact Statement (EIS) will be required. 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 document(s) 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 Climate Change 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 "Deer Lake Dairy Secondary Processing Facility".

2. PROPONENT:

Name of the proponent and the corporate body, if any.

Name of the chief executive officer if a corporate body.

Name of the principal contact person for purposes of environmental assessment and state the official title.

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. Identify needs that are immediate as well as potential future needs.

4. DESCRIPTION OF THE UNDERTAKING:

Provide a description of the project in the following subsections, including complete information concerning the preferred choice of location, design, construction, operation and maintenance standards, etc.

4.1 Geographical Location/Physical Components/Existing Environment:

Provide an accurate description of the proposed Dairy Secondary Processing Facility, including GPS location coordinates. Attach an original base map (1:25,000 scale) and/or recent air photos/aerial imagery.

The description shall include, but not be limited to:

- a) proximity to Glide Brook, Humber Canal and Deer Lake;
- b) storm water control infrastructure; and
- c) nearby properties and surrounding land uses.

4.2 Construction:

All aspects of construction of the proposed development should be presented in detail, including but not limited to the following:

- a) State the time period in which proposed construction will proceed (if staged, list each stage and its approximate duration) and proposed date of first physical construction-related activity.
- b) Present the details, materials, methods, schedule, and location of all planned construction activities, including:
 - employment information including type, and estimated number of positions during all phases of construction.
- c) Construction should be designed in consideration of a future requirement to decommission the Project and rehabilitate the area.

4.3 Operation and Maintenance:

All aspects of the operation and maintenance of the proposed development should be presented in detail, including but not limited to the following:

- a) identification of all wastewater streams, including but not limited to releases of raw milk and milk products, and releases from cleaning/sanitizing processes for the facility, equipment and tanker trucks;
- b) a description of quantity and quality of each wastewater stream;
- c) a description of how raw milk deemed unacceptable for secondary processing will be handled and disposed;
- d) characterization of each industrial wastewater stream including, but not limited to, the following parameters:
 - i. biological oxygen demand (BOD);
 - ii. total suspended solids (TSS);
 - iii. phosphorus;
 - iv. pH; and
 - v. any other parameters deemed to be of potential environmental concern;
 - vi. comparison of expected wastewater constituent concentrations to the discharge limits specified in the Environmental Control Water and Sewage Regulations, located at <https://assembly.nl.ca/Legislation/sr/regulations/rc030065.htm> ;
- e) a description of the Town of Deer Lake's waste water system;
- f) a description of the municipal storm water controls;
- g) employment information including type and estimated number of positions; and
- h) the following information/plans shall be included in the body of the EPR or as Appendices:
 - i. Wastewater Management Plan: describe how industrial wastewater effluent will comply with the Environmental Control Water and Sewer Regulations prior to discharge into the Deer Lake municipal wastewater treatment facility. Should the wastewater characterization indicate that on-site treatment is necessary to ensure compliance with the Environmental Control Water and Sewage Regulations, an evaluation of potential treatment options and the preferred option shall be presented in the Plan.
 - ii. Waste Management Plan: describe how all waste generated will be managed, including a description of where the waste will be shipped / transported, see attached document. A Contingency Plan that identifies disposal options in the event that these waste streams cannot be fully utilized shall be included in the Waste Management Plan.
 - iii. Water Resources Management Plan: describe how the disposal of wastewater and storm water from the facility will occur without causing any environmental impact on the nearby waterbody.
 - iv. Emergency Response Plan: describe measures to respond to an emergency / accidents including quick and effective response to a spill event for dairy products or a hazardous

material, and outline plans to have spill response equipment readily available on-site.

5. ALTERNATIVES

Alternative means of carrying out the project to meet the stated purpose and rationale must be provided. This section should demonstrate why the specific location and procedural methods were selected above others. The EPR must identify and describe alternative means and locations of carrying out the project that are technically and economically feasible. The following steps for addressing alternative means and locations are recommended:

- a) Identify any alternative means and locations to carry out the project;
- b) Identify the environmental effects of each alternative means and location;
- c) Identify the preferred means and location and provide rationale for selection; and
- d) 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, if applicable.

Alternative locations should be clearly outlined on maps of a suitable scale (i.e. 1:50,000, 1:25,000) and/or aerial imagery.

6. POTENTIAL ENVIRONMENTAL EFFECTS AND MITIGATION:

Provide detailed information regarding the potential effects of the following components of the Project on the environment and measures that will be undertaken to mitigate adverse environmental effects:

- a) access road traffic and parking;
- b) accidents and malfunctions; and
- c) potential adverse effects of the Project on Glide Brook (a tributary of the Humber River) and Deer Lake, and measures that will be undertaken to mitigate the effects.

7. DECOMMISSIONING and REHABILITATION:

Describe all aspects of the decommissioning and rehabilitation plans for the project, assuming the eventual need to eliminate the entire project footprint from the landscape.

8. 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).

9. APPROVAL OF THE UNDERTAKING:

List the main permits, licenses, 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.).

One paper copy 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 Climate Change
P.O. Box 8700
St. John's NL A1B 4J6