

ADDENDUM NO 1

EMPTY CONTAINMENT CELL

LAMÈQUE, NOUVEAU-BRUNSWICK

Project No : C2-00697

Date: November 14, 2023



ITEM NO 1 – Mitigation Measures

- Add the following mitigation measures:

General: ensure compliance with all federal legislation and provincial, territorial, municipal and international laws codes, and standards, as applicable.

Impact 1: There are residential and commercial receptors located at less than 1 km from the containment cell. The construction of the project entails excavating sediments. Noise and fumes from the heavy machinery and odors from the sediments may temporarily impact those receptors.

Mitigation 1: The sediments will be removed as soon as possible, loaded on trucks to be disposed off-site at an approved disposal facility.

Mitigation 3: Work hours will adhere to local noise bylaws.

Mitigation 4: All equipment to be used is to be in proper working order and properly muffled.

Mitigation 5: Equipment shall be used for its intended use only.

Mitigation 6: Equipment shall not idle excessively.

Mitigation 7: Ensure dust suppression measures (i.e. water) are applied to prevent fugitive dust (if required).

Mitigation 8: Notify the Harbour Authority and any private businesses on or adjacent to the project site prior to the commencement of the project.

Mitigation 9: Ensure that all waste material will be disposed of in an environmentally responsible manner, and in accordance with provincial, territorial, municipal legislation.

Impact 2: The subject site is adjacent to the Baie of Lamèque. Excavation and operation of motorized equipment will occur within 30 m to the Baie of Lamèque. Sediments migration could occur into these sensitive areas. Contamination from the machinery may occur.

- Mitigation 1: The contractor will be required to have suitable operational and engineering controls to prevent and contain erosion and sedimentation within the work area. All sedimentation and erosion mitigation measures must be designed, constructed, and in sufficient quantity to prevent surface runoff from the project from having a negative impact on surface water quality. Such mitigation measures must be installed prior to exposure of erosion-susceptible soils and must be maintained regularly to ensure they are functioning properly. Additional mitigation measures must be added, as applicable. All such mitigation measures must be maintained until such time as vegetation is re-established.
- Mitigation 2: All machinery will operate from land or infrastructure above the high-water mark in a manner that minimizes disturbance.
- Mitigation 3: In the event that erosion of soil or watercourses occurs, all work must cease until the cause is identified and corrected.
- Mitigation 4: Weather conditions are to be assessed on a daily basis to determine the risk of extreme weather in the project areas. Avoid work during periods with rainfall or heavy wind warnings for the work area.
- Mitigation 5: Any construction-related material used must be clean and non-toxic (i.e., free of fuel, oil, grease, and/or any contaminants).
- Mitigation 6: No refuelling or fuel storage shall be permitted within 30 m of the Baie of Lamèque.

Impact 3: Accidents and unplanned events can result in the release of hazardous materials into the environment. These are primarily the result of leaks or spills from motorized equipment, or unplanned events such as collisions. The construction of the proposed project will require the use of motorized light and heavy equipment, including excavators, mini-excavators, bulldozers and dump trucks. Leaks, spills or other unplanned events can result in adverse impacts on the terrestrial and aquatic environment.

- Mitigation 1: If a suspected archaeological resource is uncovered during excavation, work in the area will be stopped immediately and an archaeological curator at the New Brunswick Department of Tourism, Heritage and Culture - Heritage and Archaeological Services (Branch) will be contacted at (506) 453-3115.
- Mitigation 2: Procedures and training aimed at safe construction practices will be implemented during the construction to prevent or avoid potential situations that might lead to accidents, malfunctions or unplanned events.
- Mitigation 3: The Contractor will be required to have an emergency response plan to control any accidental spills or unplanned events, which will include having appropriate on-site spill response equipment readily available for immediate deployment.
- Mitigation 4: All equipment to be used is to be free from leaks or coating of hydrocarbon-based fluids and/or lubricants harmful to the environment. Hoses and tanks are to be inspected on a regular basis to prevent fractures and breaks.

- Mitigation 5: On site, crews must have emergency spill clean-up equipment adequate for the activity involved, and it must be on site. Spill equipment will include, as a minimum, at least one 250 L (i.e., 55 gal) overpack spill kit containing items to prevent a spill from spreading; absorbent booms, pillows, and mats; rubber gloves; and plastic disposal bags.
- Mitigation 6: All spills or leaks must be promptly contained, cleaned up, and reported to the Bathurst Environment and Local Government Regional Office at 547-7443, and to the 24-Hour Environmental Emergencies Report System (1-800-565-1633).
- Mitigation 7: All equipment and materials must be operated and stored in such a manner to prevent deleterious substances from entering the wetlands or watercourse.
- Mitigation 8: All material stored within 30 m of a wetland or watercourse must be free of contaminants.
- Mitigation 9: Contractors shall implement measures to ensure no invasive plant species are imported to the project site.
- Mitigation 11: Ensure that all vehicles are road-worthy, and that drivers observe all speed and weight limits on site.
- Mitigation 12: Ensure that all construction equipment is in good working order and careful maintenance and monitoring of all equipment be carried out to minimize the risk of spills or leaks of petroleum-based products.

Impact 4: Migratory birds nesting in the area and its vicinity may be disturbed or displaced by the excavation work.

- Mitigation 1: Become knowledgeable with and abide by the Migratory Birds Convention Act (MBCA) in regard to the protection of migratory birds, their eggs, nests, and their young encountered on site and in the vicinity.
- Mitigation 2: Conduct a visual survey for the presence of any birds nests near the worksite. If a nest is observed, work shall either be postponed until the chicks have left the nest or contact shall be made with the Canadian Wildlife Service to determine if a suitable buffer can be established to avoid interaction with the breeding bird and the nest.
- Mitigation 3: Minimize disturbance to all birds on-site and adjacent areas during the entire course of the Work.