



PERMIT FOR WATERCOURSE AND WETLAND ALTERATION
ALT 42933'17 Original

(Regulations 90-80 under the Clean Water Act Chapter C-6.1, Act of New Brunswick 1989)

PERMITTEE Public Services and Procurement Canada (506)452-1450
ADDRESS 189 Prince William St. Saint John, NB E2L 2B9

LOCATIONS table with columns: Easting, Northing, Datum, Zn. Includes affected watercourse/tributary (Chignecto Bay / Fundy, Bay of), affected regions (ENV - 3, DFO - GULF, DNR - 3), and maps (1:50,000 Maps - 21 H/10, County - Albert, Parish - Alma).

PERMIT VALID FOR THIS PERIOD FROM 2017/11/08 TO 2018/11/30 (yyyy/mm/dd) (yyyy/mm/dd)

Description of Watercourse/Wetland Alteration(s):

This project consists of erosion control along the shoreline in Fundy National Park. The project involves installing a temporary road from Highway 114 to Alma Beach. Erosion control will be installed along the shore where there is evidence of erosion. The erosion control structures will consist of two layers of 3-5 tonne armor stone measuring 2.3 metres in thickness atop of two layers of 300-500 kg filter stone measuring 1 metre in thickness. One layer of 1.1 metre thick armor stone will be added to existing sections of armor stone which are failing. The erosion control work will extend approximately 1.2 kilometres along the coast. Four existing drainage pipes will be extended with the outlets ending inside the armor stone. A new boardwalk and two viewing platforms will be installed within the Provincially Significant Wetland (PSW). The boardwalk will have a maximum width 1.8 metres and a total length of 122 metres. The viewing platforms will each have a maximum size of 25 metres squared. Trees and shrubs will be planted and marram grass will be re-vegetated.

This project is located on PID 5007463.

The Permittee may undertake only those Watercourse/Wetland Alteration(s) described above hereby approved by the Minister. Refer to Conditions of Approval stated on the attached Document "A". Responsibility for any action arising from any watercourse/wetland alteration must be borne by the Permittee and no liability shall be incurred by the Minister or the Department. This permit does not exempt or exclude the Permittee from the provisions of any Act of the Legislature of New Brunswick or of Canada to serve as legal defense to any action commenced by landowners who are adversely affected by the alteration.

Number of conditions attached to this permit: 30

Date of Issuance: 2017/11/08 (yyyy/mm/dd)

Signature of Minister of Environment

Public Services and Procurement Canada
189 Prince William St.
Saint John, NB E2L 2B9

**DOCUMENT "A" Attached to ALT 42933'17 Original
CONDITIONS OF APPROVAL**

(Regulations 90-80 under the Clean Water Act Chapter C-6.1, Act of New Brunswick 1989)

- (1) The permittee is responsible for obtaining permission from the landowners bordering the watercourse at the project site and all landowners listed on the property where the alteration is to take place before commencement of the work.
- (2) The permittee is responsible for contacting the local planning commission or City/Town prior to commencing the project to ensure that all local/municipal by-laws are adhered to. The permittee is responsible to obtaining all additional permissions and permits prior to work commencement.
- (3) A copy of this permit, including the "Conditions of Approval", shall be kept at the alteration site throughout the duration of the project, and such copy shall be produced upon the request of an inspector designated to act on behalf of the Minister of Environment and Local Government, or an employee of Fisheries and Oceans Canada.
- (4) The permittee shall ensure that all persons involved in the project are aware of and comply with the scope, conditions, and environmental constraints of this permit.
- (5) This project shall be carried out in accordance with the information and figures provided with the submitted Watercourse and Wetland Alteration permit application, unless stipulated otherwise in these "Conditions of Approval".
- (6) The applicant shall take necessary steps to ensure that his/her actions, and/or those of his/her agent, do not result in noticeable soil erosion or suspended sediment in the watercourses and/or the regulated wetland as a result of the activities covered by this approval.
- (7) When self-propelled equipment is being used, an appropriate emergency spill kit shall be kept on-site and be readily deployable. Any spill, regardless of quantity, must be reported by contacting the Department of Environment and Local Government during business hours or the Canadian Coast Guard Environmental Emergency number (1-800-565-1633) after hours.
- (8) Any debris and excavated material generated by the project shall be disposed of such that it cannot be washed into a watercourse/wetland by floodwaters or surface runoff.
- (9) All material brought into the 30 metre wide regulated buffer shall be free of contaminants.
- (10) At the onset of work within 30 metres of the watercourses and/or the regulated wetland, siltation prevention devices competent in quantity, design, diversity and function to adequately prevent the activities covered by this approval from having a negative impact on the water quality in a receiving watercourse, under all runoff conditions, shall be installed prior to exposing erodible soil, added wherever necessary to prevent siltation, and maintained such that they perform their intended function until vegetation has been re-established; whenever siltation prevention works have failed or are not functioning properly, no further work shall take place until the problem is corrected.
- (11) All material and equipment used near the watercourse shall be in good working order, and shall not be losing fuel, lubricating oil, hydraulic fluid, or any cargo.
- (12) Vehicle and equipment refueling and maintenance shall not be conducted within 30 metres of the Provincially Significant Wetland.
- (13) Rip-rap/armor stone shall be clean, durable, non-ore bearing, and non-toxic rock, and must not be obtained from a watercourse nor from within 30 metres of the shoulder of the banks of a watercourse.
- (14) No in-water works shall occur at any time during this project.
- (15) The rip-rap shall be installed as described in the most recent engineered drawings submitted by Parks Canada titled "Shoreline Protection Works Highway 114 and Beach Area Fundy National Park".
- (16) Excluding the marram grass re-vegetation, soil shall not be disturbed and rip-rap/armor stone shall not be placed in the Provincially Significant Wetlands.
- (17) The rip-rap/armor stone shall not be dumped or pushed over the shoulder of the bank of a watercourse, but shall be placed into position in a controlled manner.

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- (18) No fill shall be placed or grubbing be carried out in or within 30 metres of the Provincially Significant Wetland.
- (19) Soil disturbance in or within 30 metres of the Provincially Significant Wetland shall be limited to the excavation/auguring of post holes and marram grass re-vegetation.
- (20) All work for the boardwalk and viewing platforms shall be completed by using any combination of the following methods: 1) using hand held tools only, or 2) With self-propelled equipment stationed on and operated from the structure's deck.
- (21) The size of each viewing platform shall not exceed 25 metres squared in area.
- (22) The width of the boardwalk shall not exceed 1.8 metres.
- (23) The minimum distance from the natural grade of the wetland to the underside of the stringers of the viewing platform shall be at least 0.9 metres.
- (24) Construction materials shall not be treated with creosote, or other toxic products. Pre-treated timbers shall be air dried for the length of time specified by the manufacturer for safe use in, over, or near aquatic environment.
- (25) All components of the boardwalk shall consist of wood, aluminum, galvanized metal, or other corrosion resistant materials.
- (26) Cutting of woody vegetation to facilitate construction shall be limited to 0.75 metre on each side of the footprint of the boardwalk/ viewing platform.
- (27) Any vegetation destroyed in order to fulfill the project shall be replaced with non-invasive perennial vegetation native to the area. The species and density of woody vegetation planted shall be similar to that which existed in the area before the project took place.
- (28) Throughout this project, all exposed erodible soil shall be temporarily stabilized with mulch, erosion control blankets or other products designed to prevent erosion and the runoff of suspended sediment into a watercourse/wetland, prior to each forecasted rainfall event.
- (29) That upon completion of the project, all exposed soil shall be permanently stabilized with non-invasive perennial vegetation native to the area and blanketed with mulch or blanketed with an engineered erosion control product designed to prevent the generation of suspended sediment due to rain or overland runoff events.
- (30) This project shall follow all conditions outlined in the Licence of Occupation issued by the Department of Energy and Resource Development file #447 02 1466.

P. M.