

Waste Management Plan

Demonstration Trail Parson's Pond to Daniel's Harbour

Trailhead Development Company Inc.

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Environmental Preview Report – Appendix E

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1 Introduction

The Trailhead Development Company Inc. (TDCI) has developed this Waste Management Plan to describe the principles, procedures and management of the waste generated during the *Great Coastal Trail – Parson's Pond to Daniel's Harbour* Project (Registration No. 2284). TDCI has developed this plan to ensure waste is handled properly, reduced and reused where possible. The document will outline measures to manage and mitigate waste generation during TDCI's construction and operations.

The TDCI Waste Management Plan is intended for use by TDCI and its contractors who will be required to comply with this plan, and to ensure their waste management plans are in conformance with this document. A copy of this Waste Management Plan will accompany all Sub-contractor Agreements and require sub-contractor compliance.

This Plan provides measures to minimize and properly handle wastes generated by the Project during the Construction and Operation phases. There are currently no plans to decommission the trail; a waste management plan specific to decommissioning will be prepared with approval by appropriate government agencies prior to decommissioning.

2 Waste Management Goals

TDCI will prioritize waste management options that are sustainable. Wherever possible, TDCI will reduce, reuse, recycle or recover materials. The Project will follow best practices outlined by the International Mountain Bicycling Association (IMBA) and guidance from the Newfoundland and Labrador (NL) Multi-Material Stewardship Board (MMSB). TDCI will reduce greenhouse gases by utilizing local waste management facilities where feasible to decrease travel.

3 Construction Phase

Construction will commence following regulatory approval, with an anticipated start date in spring 2026 and a projected trail operation date of summer 2027. Construction of the entire 26.6-km trail is estimated to take ~1.5 years to complete, which includes a 2026 primary construction period (e.g., April to December) and subsequent finishing period in spring 2027 (e.g., April to June). Two or more crews will work simultaneously at different segments of the trail during the construction period, weather permitting.

3.1 Key Objectives

Key waste management objectives during the Construction Phase include:

- Minimize waste generation during trail construction;
- Reuse and recycle materials wherever possible;
- Ensure safe handling, storage, and disposal of all waste streams; and
- Incorporate IMBA's sustainable trail design practices to minimize waste production and prevent future waste from erosion and degradation.

3.2 Types of Waste and Waste Management Methods

During the Construction Phase, several types of wastes will be generated (Table 3.1). Each waste type will be recycled, reused, or disposed of at an appropriate facility.

Table 3.1 Construction Phase waste types and management methods.

Waste Type	Source	Management Method (Incl. IMBA and MMSB Guidance)	Storage and Handling (Staging Area)	Disposal / Recycling Destination	Responsible Party
Construction packaging	Material delivery	Recycle cardboard / plastics; reuse pallets	Segregated bins in staging area	Local recycling depot / municipal system	Contractor
Lumber, metal, fasteners	Trail structures	Salvage & reuse; modular structures (IMBA)	Covered storage at staging area	Reuse on-site or depot diversion	Contractor
Vegetative debris (brush)	Clearing / grading	Chip / mulch for erosion control (IMBA)	Stockpile at staging area	Reused onsite	Vegetation crews
Excavated soil & rock	Trail grading	Reuse for embankments / landscaping	Segregated piles at staging area	On-site reuse	Contractor
Fuel, oils, lubricants	Equipment operation / maintenance	Spill prevention; secure storage; recycling (MMSB Extended Producer Responsibility, EPR)	Secondary containment in staging area	Licensed hazardous waste facility	Contractor
Hazardous materials	Paints, solvents	Minimize use; safe disposal	Lockable hazardous cabinet in staging area	Licensed hazardous waste facility	Contractor
General construction waste	Worker activity	Segregate recyclables; dumpster for landfill	Covered dumpster at staging area	Municipal landfill / depot	Contractor

3.2.1 Temporary Staging Area for Waste

A temporary staging area will be established near the active construction zone. This site will serve as the central hub for stone, aggregate, lumber, tools, and other materials needed during trail construction. Incorporating a waste dispersal strategy at the staging area will ensure all waste streams are properly managed. Successful construction phase contractor(s) will be required to submit a waste management plan to the TDCI project team that adheres to key measures of this Plan and appropriate IMBA trail design practices. The contractor will be responsible for ensuring day-to-day compliance with the waste management plan.

Several key mitigation measures are in place to manage waste at the staging area:

- **Centralized Dumpster:** A covered dumpster will be placed at the staging area for general non-recyclable waste.
- **Segregated Waste Bins:** Clearly labeled bins (wood, metals, recyclables, hazardous waste) will be provided.
- **Hazardous Waste Storage:** A lockable, weatherproof cabinet with secondary containment will house fuels, oils, paints, and solvents.
- **Brush and Organic Debris Stockpile:** A designated corner of the staging area will be used to stockpile chipped brush, mulch, and reusable soil/rock for reapplication on the trail.

- **Access and Containment:** The staging area will be located on stable ground away from watercourses, with measures to prevent runoff or accidental dispersal.
- **Regular Removal:** Waste will be removed from the staging area on a scheduled basis to approved municipal or provincial facilities.
- **Decommissioning:** Upon Construction Phase completion, the staging area will be **decommissioned and restored to the original condition:** all waste removed, soil restored, and vegetation replanted where possible to ensure no long-term environmental footprint.

4 Operation Phase

The Operation Phase for the Project will involve use of the trail by hikers and cyclists as well as maintenance activities (see Section 4.4 of LGL 2025 for details).

4.1 Key Objectives

Key waste management objectives during the Operation Phase include:

- Maintain a clean and safe trail environment for hikers and cyclists.
- Minimize litter and prevent wildlife interactions.
- Encourage stewardship and responsible trail use consistent with IMBA's *Rules of the Trail* and *Leave No Trace* principles.

4.2 Types of Waste and Waste Management Methods

During the Operation Phase, several types of wastes will be generated (Table 4.1). Each waste type will be recycled, reused, or disposed of at an appropriate facility. To align with the IMBA, responsible hiker/cyclist conduct will be encouraged through using signage to reinforce *Leave No Trace* and designing trails to minimize erosion.

Table 4.1 Operation Phase waste types and management methods.

Waste Type	Source	Management Method (Incl. IMBA and MMSB Guidance)	Storage and Handling	Disposal / Recycling Destination	Responsible Party
Trail user litter	Hiker / cyclist activity	"Pack-In, Pack-Out" policy reinforced by signage; IMBA <i>Leave No Trace</i> principles.	Bear-proof bins at trailheads only	Municipal landfill / recycling depot	Trail Maintenance Team
Maintenance debris	Routine repairs	Recycle / salvage lumber, signage, metals; IMBA emphasizes durable, modular infrastructure to reduce frequency of replacement.	Stored at maintenance depot	Reuse or local recycling facility	Maintenance crews
Vegetative debris	Seasonal brushing / clearing	Chip / mulch for erosion control (IMBA: reuse on-site vegetation).	Stockpile for on-site use	On-site reuse or composting	Maintenance crews
Hazardous maintenance waste	Paints, sealants, oils	Minimize use; secure storage & disposal, recycling (MMSB EPR)	Labeled, sealed containers	Licensed hazardous waste facility	Trail Maintenance Team

Waste Type	Source	Management Method (Incl. IMBA and MMSB Guidance)	Storage and Handling	Disposal / Recycling Destination	Responsible Party
Community clean-up waste	Volunteer efforts	Integrated into stewardship events (IMBA: trail community engagement)	Temporary storage at trailhead bins	Municipal landfill / recycling depot	Trail org. & volunteers

5 Decommissioning Phase

There are currently no plans for decommissioning of the proposed trail. Should the trail be decommissioned at a future date, a Waste Management Plan will be developed at that time to minimize waste production and ensure proper management of wastes, in accordance with applicable provincial regulations, legislation and IMBA and MMSB guidance.

6 Monitoring and Reporting

During each phase of the Project waste generation and management will be monitored and reported as summarized below.

- **Construction Phase:** Contractor to track volumes and disposal tickets; submit in final construction report.
- **Operation Phase:** Trail Maintenance Team to record litter collection, recycling, and maintenance waste volumes and document in annual reports.
- **Decommissioning Phase:** Ensure development of waste management plan in accordance with applicable regulations, legislation and guidelines.
- **Adaptive Management:** If waste diversion targets (i.e., $\geq 70\%$ of construction waste, $\geq 60\%$ of operational waste) are not met, adjust practices (e.g., more trail signage, different material sourcing).
- **IMBA Integration:** Monitoring also tracks trail condition and user behaviour to ensure environmental sustainability aligns with global best practices.

7 Literature Cited

LGL (Limited). 2025. Great Coastal Trail- Parson's Pond to Daniel's Harbour. Environmental Preview Report. Registration No. 2284. Submitted to the Minister of Environment, Conservation and Climate Change, St. John's, NL, on behalf of Trailhead Development Corporation Incorporated. Undertaking submitted on 23 December 2025. 78 p. Available at: <https://www.gov.nl.ca/eccc/projects/project-2284/>.