

Waste Management Plan

Type B Water Licence

Porritt Landing

Project	Porritt Landing Dredging
Location	Hay River, NT
Date of Submission	November 2024
Version #	4
Submitted by	Town of Hay River
Submitted to	MVLWB



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1. **Introduction and Project Details**

The Town of Hay River has developed this Waste Management Plan for The Porritt landing Dredging and Gabion Wall Upgrade Project in accordance with the Mackenzie Valley Land and Water Board’s [Guidelines for Developing a Waste Management Plan](#).

1.1. **Corporate Contact Information**

The following Table 1 presents the key corporate information for The Town of Hay River and this project.

Table 1: Town of Hay River Contact Information

Position	Information
Company (Head Office)	Stephane Millette
	100 – 62 Woodland Dr, Hay River NT.
	(867) 875-8322
	recdirector@hayriver.com
Project Manager	Mark Horton
	55 Miron Drive, Hay River NT.
	(867) 876-0210
	markhorton@dimensionconsulting.net
Contractor	To be determined

1.2. **Effective Date**

This Waste Management Plan is effective as of November 2024. While this Plan is undergoing a public review, the previous version of the Plan shall take precedence and be acted in accordance with until the Board approves a subsequent Plan version.

1.3. **Revisions**

The Waste Management Plan is a living document that will be reviewed annually, at a minimum, and prior to the start of any site activities, with additional reviews as warranted. Updates should be made to reflect changes in waste management locations and practices, and new personnel and associated contact information. Table 2 presents a summary of the versions of this Plan and any revisions made; it is updated each time a revision is made to the Plan. This ensures stakeholders have the most current copy of the Plan.

Table 2: Version and Revision History

DOCUMENT HISTORY			
Version #	Revised Section(s)	Description of Revision	Issue Date
V1	Entire document	Prepared first version of waste plan	March 5th, 2018
V2	Section 2.2	Updated Section 2.2 as per comments from public review and MVLWB requirements	May 24th, 2019
V3	Section 1 Added Section 3 Added Appendix B	Updated Waste Management plan to include Porritt Gabion Wall Project information for Type B WL amendment application. Updated project description and contact info in Section 1. Added Section 3.3. Waste Types, Management Methods, and Infrastructure for Gabion Upgrades. Added Appendix B: Site Map for Gabion Upgrade	April 2022
V4	Entire document	Minor administrative updates to reflect Renewal of Water Licence	November 2024

1.4. Recipients

Table 3 identifies who the most recent version of the Plan has been distributed to:

Table 3: Recipients of this Version of the Waste Management Plan

Name	Position
Stephane Millette	Town of Hay River- Recreation Director- Project Sponsor
Travis Wright	Town of Hay River- Emergency Services Director
Mark Horton	Dimension Consulting -Project Manager
TBD	Site Supervisor for Contractor

1.5. Copies of Current Version of the Plan

Copies of the most current version of the Waste Management Plan are available on-site at all times at the following locations:

- Supervisors Pick up/Excavator
- Additional copies of the Waste Management Plan can be obtained by contacting the Town of Hay River.

1.6. Purpose and Scope

The purpose of this Waste Management Plan is to outline the management of various waste types at the Porritt landing Dredging Project by The Town of Hay River and all contractors on-site. The Plan identifies the various waste types and characteristics; describes the sources of waste generation; provides estimates of the amounts (volume or mass) of wastes to be produced; and includes consideration of potential environmental effects, social factors, and regulatory factors including compliance with all applicable acts, regulations, authorizations, land use permits, and water licenses. The Plan has been prepared to ensure proper disposal of waste.

1.7. Environmental, Health and Safety (EHS)

The Waste Management Plan will be presented to all staff (employees and contractors) during their on-site orientation sessions, including where copies of the Plan can be located on-site.

1.8. Project Description

The aim of the Porritt Landing Project is to ensure there is adequate water depth to safely launch and dock recreational watercraft within this park land area. The current water depth will not allow a safe docking area for watercraft as there have been water levels less than 300mm. The Town of Hay River will be conducting:

- Installation, operation, and maintenance of marina including the boat launch, gabion retaining structure, sheet pile retaining wall, and other structures;
- Dredging;
- Shoreline remediation to address riverbed erosion; and,
- Installation and maintenance of a floating dock.

Figures outlining the area of dredging are presented in Appendix A.

1.9. Site Description

Porritt Landing is currently used as a boat launch and dock for recreational watercraft. It currently has a sheet pile retaining wall that was installed many years ago as well as a floating dock system that is installed in the spring and removed in the fall. There is currently a parking lot for vehicle and boat trailers as well as a picnic table area with fire pits. Porritt Landing Boat Launch is located on Vale Island and provides access to the Hay River and Great Slave Lake. The facility is operated by the Town of Hay River and is an important recreational infrastructure for the area as it is the only public boat launch available for the Hay River area. New docks were installed in 2018 to improve usability and access for users.

2. Waste Types, Management Methods, and Infrastructure for Dredging

2.1 Waste Types

The wastes types generated as part of the dredging will include the following:

- Silt, sand, clay type river bottom materials. Approximate volumes of 800M3

2.2 Waste Management Methods

Materials will be excavated with a hydraulic excavator from shore and loaded into truck and hauled to stock pile locations as indicated on the maps in the Appendix. This area will be bermed off with existing materials as not to allow any water runoff from entering the Hay River, if needed silt fencing will also be installed. There will be no equipment entering the water aside from the excavator bucket. Sediment containment within the construction area will be the use of a floating silt curtain to within 300mm of the river bottom and from shore to shore (approx. 28meters)

2.3 Off-Site Waste Disposal

All excavated materials will be hauled to the stockpile site approximately 500-700 meters away from the project. Stockpiled materials once dried will be used as common fill for MTS. (letter attached) These sites have been historically used for stockpile sites of dredged materials. See attached Image

3. Waste Types, Management Methods, and Infrastructure for Gabion Upgrades

3.1. Waste Types

Minimal waste is expected as part of the gabion upgrade project. The wastes types generated as part of the gabion upgrades will include the following:

- Minor amount of vegetation from working area
- Overburden from working area along shoreline
- Small amount of domestic garbage from work crew

3.2. Waste Management Methods

Waste management methods for each type of waste presented below:

Minor amount of vegetation from working area

- The working area was recently brushed and there is minimal vegetation in the working area.
- Any vegetation present will be removed prior to any earthworks beginning.
- Vegetation will be removed separately from any soils and or overburden
- Vegetation will be piled in a designated area and sent to the TOHR vegetation disposal area.

Overburden from working area along shoreline

- Any overburden from the working area along the shoreline will be removed and stored in a designated location during the project activities.
- Overburden will be free of debris and vegetation.
- Once the earthworks are completed the overburden will be replaced in areas that are not part of the gravel walkway to promote natural regeneration of the vegetation.

Small amount of domestic garbage from work crew

- Any domestic garbage will be stored on site in secure and bear safe garbage bins and transported to the TOHR waste facility as required.

3.3. Off-Site Waste Disposal

Vegetation will be removed to the designated TOHR vegetation disposal site as required. The small amount of domestic waste will be transported to the TOHR waste facility as disposed of there as per requirements of the facility and various licences and permits that regulate it.

Appendix A: Site Maps for Dredging



Appendix B: Site Map for Gabion Upgrade



PROJECT NO.	DATE	BY	CHECKED	DATE	SCALE	PROJECT NO.	DATE	BY	CHECKED	DATE	SCALE	PROJECT NO.	DATE	BY	CHECKED	DATE	SCALE	



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