

1501253 B.C. LTD.

# Waste Management Plan

## **Coppermine Project**

Coppermine River area, Kugluktuk

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## REVISION HISTORY

The table below is a revision history table that outlines the revisions made by 1501253 B.C. Ltd to this document.

| Version | Date | Section | Summary of Changes |
|---------|------|---------|--------------------|
|         |      |         |                    |
|         |      |         |                    |

## 1.0 Introduction

The Coppermine Project is an early-stage mineral exploration program that will likely include a small diamond core drilling program for approximately 10-20 holes, geological mapping and prospecting, rock chip and soil sampling, small ground-based non-invasive geophysical surveys, and possibly airborne geophysical surveys. Staff will be based out of Kugluktuk and fly to site via helicopter or fixed wing. Activities will cease during the Bluenose East caribou herd calving and post calving form from 28th may to 3rd July.

Diesel fuel will be used for the drill rig, and aviation fuel (A1) will be used for the helicopter. Small fuel caches up to 3,800l of combined diesel and aviation fuel will be created at the drill site and possibly other locations in the project area to support geological mapping, rock chip sampling and prospecting. Fuel will be stored on a flat area in 205l barrels, and in sit in a secondary pop-up containment bund that is sealed to prevent any spillage or leakage from seeping into the underlying soil. Fuel caches will be stored at least 31 metres away from the ordinary high-water mark of any water body.

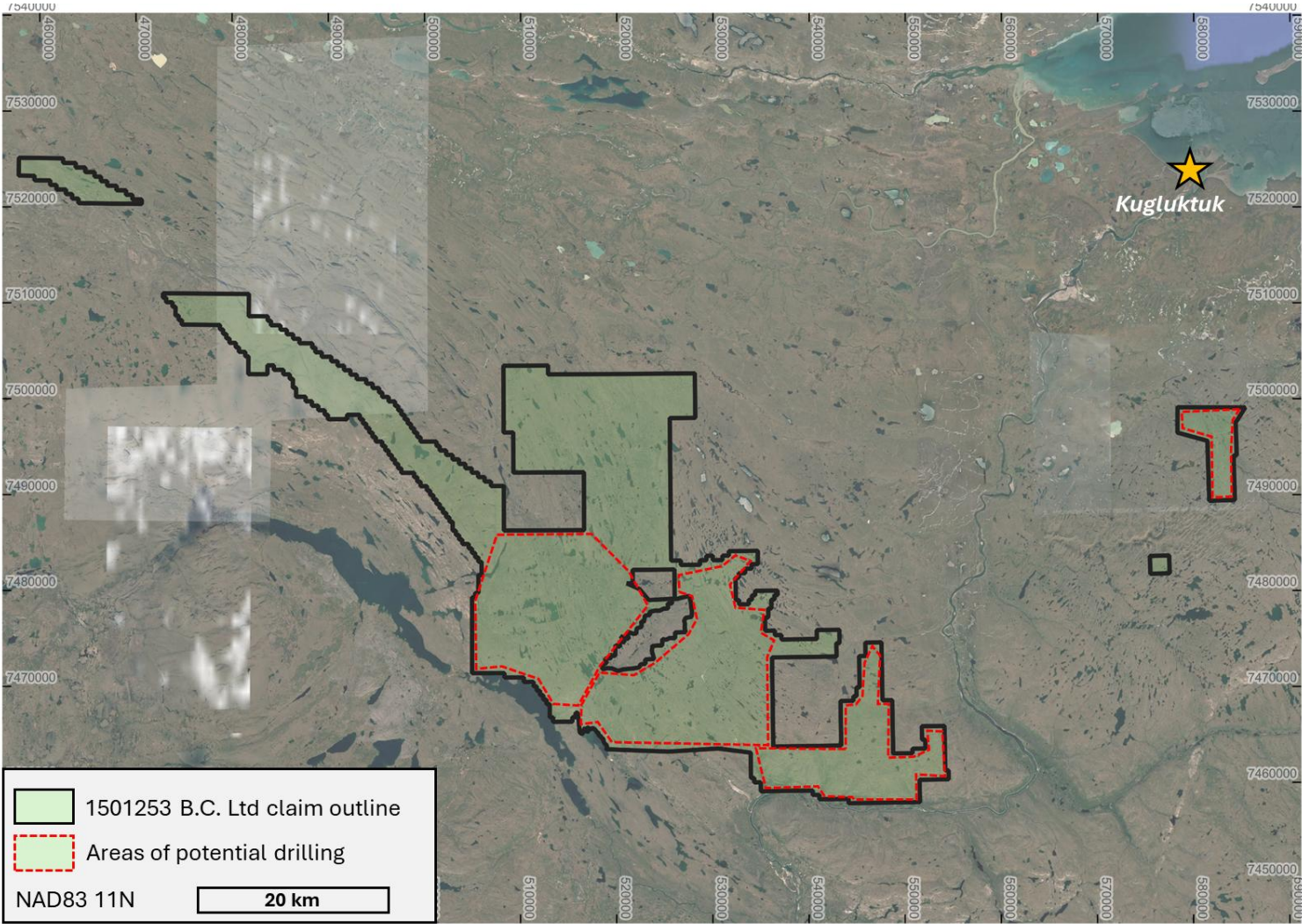
Spill kits will be located at each cache, and at the drill rig. Kits will contain fuel absorbent pads, heavy duty plastic bags, tarps, and empty drums or buckets, and hand tools.

After drilling is complete and the site is remediated, 1501253 B.C Ltd will conduct a thorough inspection of each drill location area to check for:

- Hydrocarbon staining
- Fire and safety hazards
- Debris or litter

1501253 B.C Ltd commits to taking a series of photographs of the drill site locations after the activities are complete, for recording and reporting purposes. All items, waste, and fuel barrels will be removed upon completion of each hole.

Figure 1. Project Location



## 2.0 Waste Types

Given the limited scope of activities proposed for the 2024 field season, a limited amount of waste types will be generated at the project site. See Table 1 below for a list of wastes the project will generate and potential environmental impacts of each.

**Table 1. Project Waste Types**

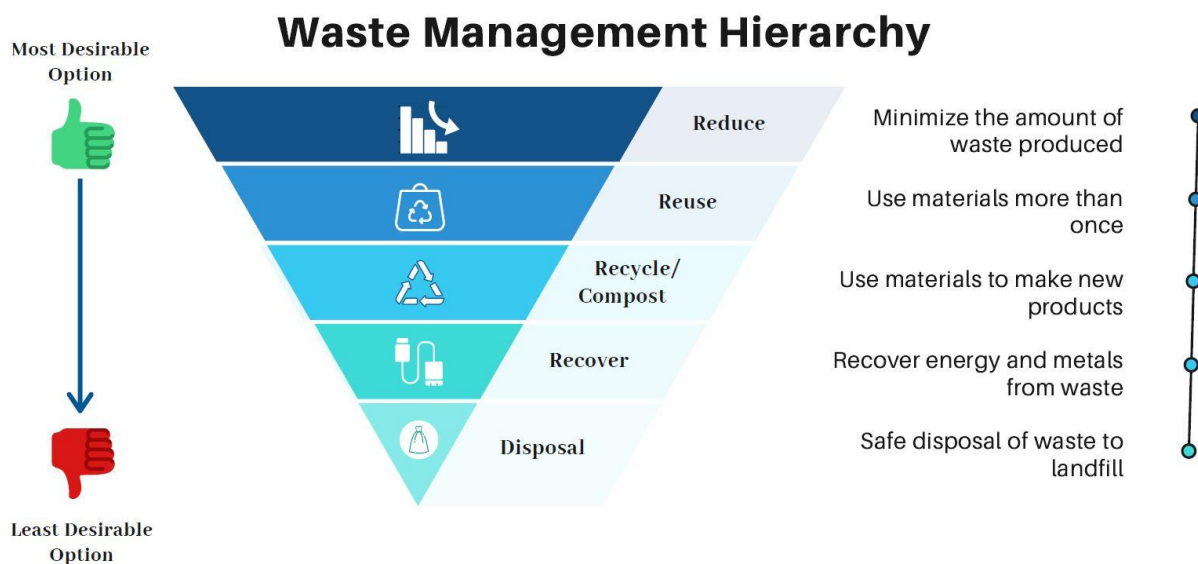
| Waste Type  | Source of Generation  | Estimated Waste Generated                           | Potential Environmental Impacts   |
|---|-----------------------|---|---|
| <i>Inert construction debris</i>                          | Drill rig shelter     | 1 m <sup>3</sup>                                    | Litter on the tundra or nearby watercourses   |
| <i>Contaminated soils</i>                                 | Fuel leaks and spills | < 0.1 m <sup>3</sup>                                | Contaminant release to the surrounding environment  |
| <i>Sewage</i>   | Drill staff           | 0.5 m <sup>3</sup>                                  | Release to nearby water courses<br>Wildlife attractant  |
| <i>Used oil, fuels, lubricants, greases, and solvents</i> | Equipment maintenance | 30 L  | Potential to leak or spill onto the tundra  |
| <i>Chemical wastes – liquids or solids</i>                | Cleaning solutions    | < 1 L / day   | Potential to leak or spill onto the tundra  |
| <i>Food containers or leftovers</i>                       | Staff                 | 0.1 m <sup>3</sup>                                  | Wildlife attractant, litter on the tundra   |
| <i>Drilling debris from consumables</i>                   | Drill rig             | 1m <sup>3</sup>                                     | Litter on the tundra or nearby watercourses   |
| <i>Drilling water from drilling</i>                       | Drill Rig             | 15 holes x 3m <sup>3</sup> / day = 90m <sup>3</sup> | Potential drilling return from drilling. Potential for muddy water to enter nearby water sources. |

### 2.1 Management of Each Waste Type

All waste generated at the Coppermine Project will be managed in accordance with applicable territorial and federal laws, regulations, guidelines, and project authorizations

such as the land use permit and Nunavut Water Board Authorization.

1501253 B.C. Ltd will use the Waste Management Hierarchy to guide waste management practices at the Coppermine Project. Waste prevention and reduction is the preferred approach to waste management. 1501253 B.C. Ltd will make every reasonable attempt to reduce the amount of materials flown into site in the first instance, and to avoid generating waste during operations. 1501253 B.C. Ltd will reuse construction materials and recycle items such as aluminum cans and plastics where possible.



**Figure 2. Waste Management**

## Hierarchy

Below is a list of waste streams generated at the Coppermine Project and how 1501253 B.C. Ltd proposes to manage the various waste types.

### **Recyclables**

Recyclable items such as aluminum cans and clean plastics will be crushed and collected in a designated bin at transported to Kugluktuk for proper disposal.

### **Construction and Set up waste**

1501253 B.C. Ltd, will only fly in the construction materials necessary for drilling and maintenance during the field season. All unused materials will be stored for repurposing opportunities, and then flown off site at the end of the field season. Where possible,



1501253 B.C. Ltd will store and reuse construction materials offsite for further field season and avoid creating waste during construction.

### ***Sewage***

Pacto toilets will be used to manage human waste generated at the Project. The toilets will be located more than 31 metres away from the Ordinary High-Water Mark of any water course. Waste collected from the Pacto toilets will be stored in sealed vessels to eliminate the possible animal attractants and transported offsite routinely throughout the program.

### ***Used Fuels and Chemicals***

Contaminated or expired fuels will either remain in their original containers or be placed inside an empty fuel drum. The drums will be clearly labelled and segregated as hazardous waste. The drums will be shipped offsite for disposal with a registered hazardous waste receiver.

Waste chemicals will be packaged in clearly labelled, tightly sealed containers and stored for eventual backhaul.

### ***Contaminated soil and water***

As per 1501253 B.C. Ltd's Spill Contingency Plan, contaminated soil will be cleaned up immediately and placed within sealed 205 L metal drums. Similarly, any contaminated water, snow, or ice will be cleaned up immediately and placed within sealed 205 metal drums for shipment off site.

## **3.0 Waste Management Infrastructure**

### ***Sump***

Pursuant to the *Nunavut Waters Regulations*, 1501253 B.C. Ltd will not deposit waste to surface water or within thirty-one (31) metres of the Ordinary High-Water Mark of any water body. Mitigation to make water returned to the sump as clean as possible involves settling out drilling fluids in a recycling tank to drop out solids and re-use water so minimal water is used, and using minimal natural additives or salt. No waste with a visible hydrocarbon sheen, or suspicion of hydrocarbon contamination, will be deposited to the sump. Any water returned from drilling will be settled in a sump and then filled over, with the original contour of the land being followed.

### ***Waste management station***



A waste staging area will be set up inside of the bear-fenced perimeter of the Coppermine Project camp location. Waste types will be separated by their varying disposal methods, clearly labelled and sealed to avoid attracting wildlife.

Drums of waste will be clearly labelled and staged for shipment off site by air to Kugluktuk or Yellowknife depending on the recycling and waste disposal facilities available and the type of waste.

## 4.0 Roles and Responsibilities

**1501253 B.C. Ltd Senior Management** - Responsible for ensuring that the site supervisor is aware of the Waste Management Hierarchy, as well as proper waste management procedures on site. The Senior Management team will ensure that management plans are properly implemented and that the site supervisor is familiar with the conditions of site authorizations such as the land use permit.

**Site Supervisor** – Responsible for ensuring employees and contractors on site are aware of waste management procedures. The site supervisor is responsible for implementing management plans such as the Waste Management Plan to minimize environmental impacts and wildlife interaction with the Project. The site supervisor will ensure that waste is properly packaged, labelled, and shipped off site during routine backhauls or in bulk at the end of the field season.

**Staff and Contractors** – All personnel working on site must be familiar with the Waste Management Plan and understand how to properly manage waste generated on site. Staff and contractors must adhere to the Waste Management Plan to help minimize wildlife attractants and environmental risks created by the Project.