

Prosperous Lake Territorial Park
Boat Launch Improvement
Project

Waste Management Plan

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Introduction and Project Details

1.1 Company Name, Site Name

GNWT, ITI, North Slave Parks and Tourism

2nd Floor YK Centre

4922 48 St.

Yellowknife, NT, X1A 1N5

1.2 Effective Date

This waste management plan is effective Feb 2018

1.3 Environmental Policy

The waste management plan will:

- Comply with all applicable Federal, Territorial, and Local Environmental Legislation and Regulations
- Follow sound environmental practices
- Work to reduce the environmental impact of the project
- Enhance environmental awareness with contractors

1.4 Purpose and Scope

The purpose of this waste management plan is to identify and manage any waste that would be produced by the Prosperous Lake Boat Launch Improvement Project. The plan will ensure that the waste produced does not adversely affect the environment as well as the aesthetics and usability of the land. This will be done while using waste management practices that are in the best possible public interest, and remain in compliance with all applicable Acts and Regulations.

1.5 Description of Project

The aim of the Prosperous Lake Boat Launch Improvement Project is to add an additional boat ramp south of the existing ramp and install additional floating docks.

1.6 Proposed Location of Waste Management Activities

All waste management activities will be located in the Prosperous Lake Territorial Park (Prelude Lake) parking lot.

1.7 Site Characteristics

The site consists of a gravel parking lot with adjacent trees, brush and rocky outcrops.

Prosperous Lake surrounds existing boat launch infrastructure.

Refer to **Appendix A** of this Waste Management Plan for site map or Attachment A of the Land Use Permit Application for full sketches.

2.0 Waste Types

2.1 Construction Waste

2.1.1 Characteristics

Construction waste produced during the boat launch improvements will consist of plastic and cardboard packaging, scrap wood, personal waste.

2.1.2 Volume/Mass

Construction Crew		
Estimated waste production (person pounds/day)		0.25
Maximum number of persons on construction crew	*	15
Estimated duration of construction (day)	*	20
Estimated weight of waste produced (pounds)	=	75
Construction Waste		
Estimated waste production – cardboard and plastic	(lb)	100
Estimated waste production – scrap wood	(lb)	200
Total Waste Produced	(lb)	375

2.2 Sewage

2.2.1 Characteristics

Any sewage produced by the contractor will be minimal. It would be typical of any sewage produced at a construction site.

2.3 Hazardous Waste

Hazardous waste is not expected to be produced in significant quantities during construction. However, there is a potential for it to be produced in the forms of waste oils/fuel and ethylene glycol in the event of an equipment breakdown.

If hazardous waste is generated, the disposal will be documented on hazardous waste movement documents from ITI-Parks (NTG582) to suitably authorized receiving facilities according to the Guideline for the General Management of Hazardous Waste in the NWT.

2.3.1 Characteristics

Waste oils and fuel produced could consist of, engine oil, transmission oil, hydraulic oil, grease, diesel fuel, gear oil. Ethylene glycol would be mixed with 40-50% water for use as coolant.

2.3.2 Source of Generation

If waste oils, fuels or ethylene glycol were produced, they would be produced by equipment or trucks, as a result of a breakdown/repair on the construction site.

2.3.3 Volume/Mass

If waste oils or fuels were produced, it would be a small, isolated occurrence coinciding with and equipment breakdown/repair.

3.0 Waste Management Planning

3.1 Waste Management Planning

3.1.2 Construction Waste Management Plan

3.1.2.1 Storage

Personal and food waste will be disposed of in bear proof bins located on site and removed by Kavanaugh Brothers Inc. weekly as per regular schedule.

Construction waste produced from the construction of the new docks and ramps may be constructed off site. If constructed on site will be disposed of in a construction bin and removed at the end of the project.

3.1.2.4 Transportation

All waste will be removed from site weekly by truck, as normally takes place at the Prosperous Lake Territorial Park.

3.1.2.4 Disposal

Non-hazardous waste and recyclables will be disposed of in existing bear proof bins located on site, which is currently trucked to the City of Yellowknife Landfill. Refer to Appendix B in this document for email approval from the City of Yellowknife.

3.2 Sewage Waste Management Planning

3.2.1 Regulations

The deposit of sewage will adhere to applicable Acts and Regulations, listed below.

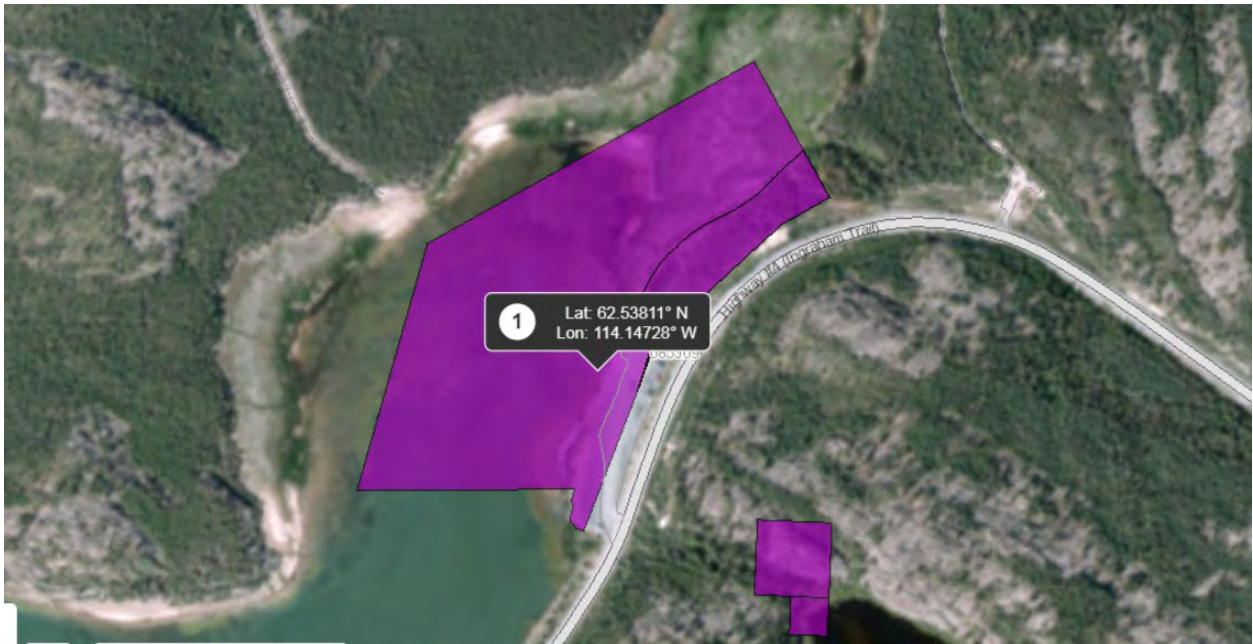
The General Sanitation Regulations of the Northwest Territories section 20 states:
No sewerage system, septic tank or cesspool shall be so constructed, operated or maintained that the effluent from it discharges

- (a) in a location or in a manner likely to be injurious to health;*
- (b) into any stream, river, channel, water course or lake, unless the written permission of the Chief Public Health Officer has been obtained; or*
- (c) less than 30 m downstream from the inlet of any pipe withdrawing water for human consumption or ablution. R-107-2009,s.2.*

3.2.2 Usage of Outhouse

Construction workers will be permitted to use the existing outhouse. It will be monitored and pumped out by Kavanaugh Brothers as required.

APPENDIX A



APPENDIX B

From: Michael Auge [<mailto:mauge@yellowknife.ca>]
Sent: Monday, July 23, 2018 1:14 PM
To: Heidi Kane
Subject: FW: Land Use Applications and permissions for Waste Disposal

Hi Heidi,

As per the approval from our SAO in the email below, and based on the information provided regarding quantities and type of material in your email, please accept this email as approval to use the City of Yellowknife Solid Waste Facility for waste disposal for your project. Please refer to the City's [Solid Waste Management bylaw](#) for more information on accepted materials, and the City's [Fees and Charges bylaw](#) for information on fees (note that any material from this project will be subject to the "Outside City Limits" rates). Please also ensure that the waste is separated and diverted from the landfill where possible (i.e. organic material, recyclables, steel, etc.).

If you have any questions or concerns, please feel free to contact me.

Thanks,

Mike Auge, P. Eng.

Manager, Sustainability and Solid Waste

Public Works and Engineering

City of Yellowknife

T: 867.669.3404

yellowknife.ca



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From: Sheila Bassi-Kellett
Sent: July-19-18 8:23 AM
To: Michael Auge
Subject:

Approved

SBK

Sheila Bassi-Kellett

City Administrator

City of Yellowknife

T: 867.920.5693

F: 867.920.5649

yellowknife.ca



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From: Michael Auge

Sent: Thursday, July 19, 2018 7:54 AM

To: Sheila Bassi-Kellett

Subject: FW: Land Use Applications and permissions for Waste Disposal

Hi Sheila,

Please review.

Thanks,

Mike

From: Heidi Kane [mailto:Heidi_Kane@gov.nt.ca]

Sent: July-16-18 1:58 PM

To: Michael Auge

Subject: Land Use Applications and permissions for Waste Disposal

Hi Mike,

ITI, Parks & Tourism is applying for 2 land use permits for work we're doing at Prosperous and Prelude Lake Boat Launch.

We're required to obtain a letter from the City giving permission for waste from the project to be brought to the City Solid Waste Facility.

I've attached the waste management plan for both projects, but in a nutshell, we don't expect much waste to be generated by either project and will consist mainly of some construction waste or personal waste that will be collected by Kavanaugh Brothers.

Please let me know if you have any questions or concerns.

Thanks,

Heidi