



**Mackenzie Valley Land and Water Board  
Water Licence**

Pursuant to the *Mackenzie Valley Resource Management Act* and Regulations, the Mackenzie Valley Land and Water Board, hereinafter referred to as the Board, hereby grants to:

Hamlet of Enterprise

(Licensee)

of 526 Robin Road Enterprise, Northwest Territories X1A 0R1

(mailing address)

hereinafter called the Licensee, the right to alter, divert, or otherwise use water subject to the restrictions and conditions contained in the *Northwest Territories Waters Act* and Regulations made thereunder and subject to and in accordance with the conditions specified in this Licence.

Licence number: MV2008L3-0004

Licence type: B

Water Management Area: Northwest Territories 03

Location: 60°33' N, 116°8' W

Purpose: To dispose of waste and associated uses

Description: Municipal Use

Quantity of water **not to be exceeded:** n/a

Effective date of Licence: August 27, 2009

Expiry date of Licence: August 26, 2014

This Licence, issued and recorded at Yellowknife, includes and is subject to the annexed conditions.

**Mackenzie Valley Land and Water Board**

A handwritten signature in black ink, appearing to be "M. J. ...".

**Chair**

A handwritten signature in black ink, appearing to be "A. ...".

**Witness**

## Part A: Scope and Definitions

### Scope

1. This Licence entitles the Hamlet of Enterprise to dispose of Waste for municipal undertakings at Enterprise, 60°33' N and 116°8' W, Northwest Territories.
2. This Licence is issued subject to the conditions contained herein with respect to the depositing of Waste of any type in any Waters or in any place under any conditions where such Waste or any other Waste that results from the deposits of such Waste may enter any Waters. Whenever new Regulations are made or existing Regulations are amended by the Governor in Council under the *Northwest Territories Waters Act*, or other statutes imposing more stringent conditions relating to the quantity or type of Waste that may be so deposited or under which any such Waste may be so deposited, this Licence shall be deemed, upon promulgation of such Regulations, to be automatically amended to conforming to such Regulations.
3. Compliance with the terms and conditions of this Licence does not absolve the Licensee from responsibility for compliance with the requirements of all applicable federal, territorial, and municipal legislation.

### Definitions

In this Licence: MV2008L3-0004

“**Act**” means the *Northwest Territories Waters Act*.

“**Analyst**” means an Analyst designated by the Minister under section 35(1) of the *Northwest Territories Waters Act*.

“**Average Concentration for Faecal Coliforms**” means the running geometric mean of any four consecutive analytical results submitted to the Board in accordance with the sampling and analysis requirements specified in the Surveillance Network Program.

“**Average Concentration**” means the discrete average of four consecutive analytical results, or if less than four analytical results collected during a batch decant and as submitted to the Board in accordance with the sampling and analysis requirements specified in the Surveillance Network Program.

“**Bagged Toilet Waste Disposal Facilities**” comprises the area and associated structures designed to contain bagged Toilet Wastes (honey bags).

“**Board**” means the Mackenzie Valley Land and Water Board established under Part 4 of the *Mackenzie Valley Resource Management Act*;

- “Commercial Waste Water”** means water and associated Waste generated by the operation of a commercial enterprise but does not include toilet water or Greywater.
- “Freeboard”** means the vertical distance between water line and the lowest elevation of the effective water containment crest on a dam or dyke’s upstream slope.
- “Greywater”** means all liquid Wastes from showers, baths, sinks, kitchens and domestic washing facilities but does not include Toilet Wastes.
- “Inspector”** means an Inspector designated by the Minister under section 35(1) of the *Northwest Territories Waters Act*.
- “Licensee”** means the holder of this Licence.
- “Minister”** means the Minister of Indian and Northern Affairs Canada.
- “Modification”** means an alteration to a physical work that introduces a new structure or eliminates an existing structure and does not alter the purpose or function of the work, but does not include an expansion.
- “Pumpout Sewage”** means all Toilet Wastes and/or Greywater collected by means of a vacuum truck for disposal at an approved facility.
- “Regulations”** means Regulations proclaimed pursuant to section 33 of the *Northwest Territories Waters Act*.
- “Sewage”** means all Toilet Wastes and Greywater.
- “Sewage Disposal Facilities”** comprises the area and engineered structures designed to contain Sewage as identified in drawing number E01, titled “Plan and Profile view of the Sewage and Solid Waste Disposal Sites”, and dated July 7, 2009.
- “Toilet Wastes”** means all human excreta and associated products but does not include Greywater;
- “Waste”** means Waste as defined by section 2 of the *Northwest Territories Waters Act*.
- “Waste Disposal Facilities”** mean all facilities designated for the disposal of Waste and includes the sewage disposal facilities, Sewage Waste disposal facilities, and Bagged Toilet Wastes Disposal Facilities.
- “Waters”** means any Waters as defined by section 2 of the *Northwest Territories Waters Act*.

## **Part B: General Conditions**

1. The Licensee shall file an annual report with the Board not later than March 31 of the year following the calendar year reported which shall contain the following information:
  - a. The monthly and annual quantities in m<sup>3</sup> of each and all Waste discharged;
  - b. A summary of Modifications and/or major maintenance work carried out on the Waste Disposal Facilities, including all associated structures;
  - c. Tabular summaries of all data generated under the Surveillance Network Program;
  - d. A list of unauthorized discharges;
  - e. An outline of any spill training and communications exercises carried out;
  - f. A summary of any abandonment and restoration work completed during the year and an outline of any work anticipated for the next year;
  - g. A summary of any studies requested by the Board that relate to Waste disposal, or reclamation, and a brief description of any future studies planned;
  - h. Any other details on Waste disposal requested by the Board by November 1 of the year being reported;
  - i. Any revisions to the approved Contingency Plan;
  - j. The monthly and annual quantities of solid Waste removed from the Sewage facilities for disposal; and
  - k. Updates or revisions to the approved Operation and Maintenance Plan.
2. The Licensee shall comply with the Surveillance Network Program annexed to this Licence and any amendment to the said Surveillance Network Program as may be made from time to time pursuant to the conditions of this Licence.
3. The Surveillance Network Program and compliance dates specified in the Licence may be modified at the discretion of the Board.
4. Meters, devices, or other such methods used for measuring the volumes of Waste discharged shall be installed, operated, and maintained by the Licensee to the satisfaction of an Inspector.
5. The Licensee shall, within 60 days of the issuance of this Licence, post the necessary signs, where possible, to identify the station(s) of the Surveillance Network Program.
6. All postings shall be located and maintained to the satisfaction of an Inspector.
7. The Licensee shall erect signage identifying the locations of all ex-filtration trenches, honey bag trenches, solid waste trenches, segregated waste areas, recyclable waste areas, and the hazardous waste containment area. The signage will be located and maintained to the satisfaction of the Water Licence Inspector within 60 days of the issuance of this Licence.

8. The Licensee shall erect and maintain, to the satisfaction of the Water Licence Inspector, fencing around the perimeter of the solid, liquid and Sewage Waste Disposal Facility that is capable of deterring wildlife and unauthorized personnel from entering this site.
9. The Licensee shall immediately report, to the 24-hour Spill Report Line (867 920-8130), any spills of Waste which are reported to or observed by the Licensee within the municipal boundaries or in the Waste Disposal Facilities.
10. The Licensee shall ensure a copy of this Licence is maintained at the municipal office at all times.

**Part C: Conditions Applying to Water Use**

*Intentionally left blank*

**Part D: Conditions Applying to Waste Disposal**

1. The Licensee shall direct all piped and Pumpout Sewage to the Sewage Disposal Facilities or as otherwise approved by the Board.
2. All Sewage effluent discharged from the Sewage Disposal Facilities at Surveillance Network Program station number 2009-1 shall meet the following effluent quality standards:

Parameter	Maximum average concentration
Suspended Solids	300 mg/L
Oil and Grease	Non-visible
BOD <sub>5</sub>	360 mg/L
Faecal Coliforms	1x10 <sup>5</sup> CFU/100mL

The Waste discharged shall have a pH between six and nine and no visible sheen of oil and grease.

3. A Freeboard limit of one metre, or as recommended by a qualified Engineer and as approved by the Board, shall be maintained at all dykes and earthfill structures associated with the Sewage Disposal Facilities.
4. All bagged Toilet Wastes (honey bags) shall be disposed of at the Bagged Toilet Waste Disposal Facilities to the satisfaction of an Inspector.
5. Bagged Toilet Wastes shall not be disposed of in trenches designated for solid wastes or ex-filtration.
6. The Licensee shall advise an Inspector at least ten days prior to initiating the decant of the Sewage lagoon.

7. The Sewage lagoon shall be maintained and operated in such a manner as to prevent structural failure.
8. The Licensee shall maintain the Sewage Disposal Facilities to the satisfaction of an Inspector.
9. The Licensee shall dispose of all solid Wastes at the Sewage Waste Disposal Facilities or as otherwise approved by the Board.
10. The Licensee shall ensure that petroleum products, hazardous material, and other wastes associated with the operation do not enter any Waters.
11. The Licensee shall conduct an environmental site assessment of the current Municipal Solid Waste Site (MSWS). The study shall include the following:
  - An environmental site assessment (ESA) that builds on the existing Phase I ESA, to be submitted to the Board by July 31, 2010;
  - An implementation plan for subsequent work, including a schedule to undertake the proposed activities.
12. The Licensee shall conduct a study of the current Municipal Solid Waste Site (MSWS) in order to determine its projected lifespan. The study shall include the following reports:
  - Projected lifespan of the existing site to be submitted to the Board by July 31, 2010; and
  - An implementation plan, including a schedule, that includes the above, and the proposed activities.
13. The Licensee shall create and maintain waste segregation areas to the satisfaction of the INAC Water Licence Inspector for:
  - Household/municipal hazardous Waste
  - Municipal solid Waste
  - Bulky Waste and scrap metal
  - Construction Waste
14. The Licensee shall maintain a Temporary Hazardous Waste Containment Facility to the satisfaction of the Water Licence Inspector.
15. The Licensee shall submit, every six months, a Hazardous Waste Manifest identifying all hazardous Waste, methods of containment, and total amounts of all hazardous Wastes being stored in the Temporary Household Hazardous Waste Containment Facility.
16. The Licensee shall erect and maintain, to the satisfaction of the Water Licence Inspector, permanent fencing surrounding the current, or future, ex-filtration trenches.

17. The Licensee shall erect and maintain, to the satisfaction of the Water Licence Inspector, Waste-capturing fencing or devices capable of being relocated as necessary to prevent the spread of windblown Waste to the areas surrounding the Solid, Liquid and Sewage Waste Disposal Facilities.
18. The Licensee shall ensure that any unauthorized Wastes associated with this Licence do not enter any Waters.

**Part E: Conditions Applying to Modifications**

1. The Licensee may, without written approval from the Board, carry out Modifications to the Waste Disposal Facilities provided that such Modifications are consistent with the terms of this Licence and the following requirements are met:
  - i. Such Modifications are consistent with the terms of this Licence and the Licensee has notified the Board in writing of such Modifications at least five days prior to beginning the Modifications; or
  - ii. With the written approval of the Board and under such conditions decided by the Board.
2. Modifications for which all of the conditions referred to in Part E, Item 1 have not been met may be carried out only with written approval from the Board.
3. The Licensee shall provide to the Board site plans of the Modifications referred to in this Licence within 90 days of completion of the Modifications.

**Part F: Conditions Applying to Contingency Planning**

1. If, during the period of this Licence, an unauthorized discharge of Waste occurs, or if such a discharge is foreseeable, the Licensee shall:
  - a. Advise an Inspector immediately via the 24-hour NWT Spill Report Line (867) 920-8130; and
  - b. Submit to an Inspector a detailed report on each occurrence not later than 30 days after initially reporting the event.

**Part G: Conditions Applying to Abandonment and Restoration**

1. The Licensee shall, within nine months of issuance of this Licence, submit to the Board for approval an abandonment and restoration plan which shall take into consideration all areas referred to in Part G, Item 2 for the current facilities.
2. The Licensee shall address the following when completing or revising the Abandonment and Restoration Plan:
  - a. Waste disposal sites and facilities;
  - b. The petroleum and chemical storage areas;
  - c. Any site affected by Waste spills;

- d. The natural runoff Waters from the development site;
  - e. The restoration of natural drainage and the restoration of stream banks at the operation site(s);
  - f. The potential for groundwater contamination;
  - g. Any facilities or areas which may have been affected by development such that potential pollution problems exist;
  - h. A phased approach and implementation schedule;
  - i. Maps delineating all disturbed areas, borrow material locations, and site facilities;
  - j. Identify testing and disposal of any collected leachate from the solid Waste facility; and
  - k. A proposal identifying measures by which restoration costs will be financed by the Licensee upon abandonment.
3. The Licensee shall revise the plan referred to in Part G, Item 2, if not approved. The revised plan shall be submitted to the Board for approval within six months of receiving notification of the Board's decision.
  4. Notwithstanding the time schedule referred to in the Abandonment and Restoration Plan, the Licensee shall endeavour to carry out progressive restoration of areas which are abandoned prior to closure of operations.
  5. The Licensee shall complete the restoration work within the time schedule specified in the plan or as subsequently revised and approved by the Board.
  6. The Licensee shall review the Abandonment and Restoration Plan annually and shall modify the plan as necessary to reflect changes in operation, technology, and results of reclamation and/or other studies. The proposed Modifications shall be submitted to the Board for approval.
  7. Upon implementation of the Abandonment and Restoration Plan, the Licensee shall provide to the Board updates of all abandonment and restoration activities by March 31 and October 31 of each year.
  8. Compliance with the Abandonment and Restoration Plan specified in this Licence does not limit the legal liability of the Licensee, other than liability arising from provisions of the Act and its Regulations.
  9. The Licensee shall submit to the Board for approval an abandonment and restoration plan at least six months prior to abandoning any Sewage or solid Waste facilities. The plan shall include but not be limited to:
    - a. Contaminated site remediation;
    - b. Leachate prevention;
    - c. An implementation schedule;
    - d. Maps delineating all disturbed areas, borrow material locations, and site facilities;

