



## Sustainable Development

Environmental Stewardship Division  
Environmental Approvals Branch  
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[www.gov.mb.ca/conservation/eal](http://www.gov.mb.ca/conservation/eal)

March 13, 2017

Mr. Tom Mollard, CAO  
Hamiota Municipality  
75 Maple Ave, Box 100  
Hamiota, MB R0M 0T0

Dear Mr. Mollard:

**Re: Hamiota Waste Disposal Ground, Permit 47336**

Enclosed please find the permit for your waste disposal ground.

Please note that failure to comply with any condition of the permit may result in prosecution pursuant to the *Waste Management Facilities Regulation*.

Pursuant to Section 27 of *The Environment Act*, this permit may be appealed to the Minister of Sustainable Development by any person who is affected by the issuance of this permit within 30 days of the date of issue.

In addition to the enclosed Permit requirements, please be informed that all other applicable federal, provincial and municipal regulations and by-laws must be complied with.

If you have any questions concerning the permit or procedures, please call Peter Crocker in Brandon at (204) 726-6565 or via electronic mail at [peter.crocker@gov.mb.ca](mailto:peter.crocker@gov.mb.ca).

Yours sincerely,

Tracey Braun, M.Sc.  
Director  
Environmental Approvals Branch

c: D. Labossiere/T.Prawdzik, Environmental Compliance and Enforcement Branch

**NOTE:** Confirmation of Receipt of this Permit No. 47336 (*by the Permittee only*) is required by the Director of Environmental Approvals. Please acknowledge receipt by signing in the space provided below and faxing a copy (letter only) to the Department by March 30, 2017.

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On behalf of Hamiota Municipality

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Date

# Waste Disposal Ground Operating Permit

Permit No: 47336

Client File: 16661

In accordance with the *Waste Management Facilities Regulation*, made under *The Environment Act*, the **Hamiota Municipality** is hereby permitted to operate a **Waste Disposal Ground**, to be known as the **Hamiota Waste Disposal Ground** situated at **NW 33-13-23 WPM** in the Province of Manitoba.

THIS OPERATING PERMIT is subject to being AMENDED, SUSPENDED or REVOKED under section 7 of the *Waste Management Facilities Regulation*.

THIS OPERATING PERMIT is issued subject to the following TERMS AND CONDITIONS:

## General Terms and Operating Conditions

1. This permit expires on February 28, 2022.
2. The Operator shall maintain and operate the Hamiota Waste Disposal Ground (the Facility) in accordance with the most current version of the *Waste Management Facilities Regulation* (M.R. 37/2016) and this Operating Permit.
3. In accordance with section 29 of the *Waste Management Facilities Regulation*, this permit is issued to the Facility with a variance to the distance from a body of surface water requirements as indicated in the submission from JRCC Engineering Consultants dated January 2017.

## Materials Acceptance and Handling

4. Recyclable materials such as, but not limited to, bulky metallic waste, E-Waste and rubber tires must be segregated in an area of the Facility other than the waste disposal cells (active area) and those areas must be appropriately signed.
5. The Operator shall remove any litter accumulated along the access road and around the perimeter of the site at minimum twice annually or as required by an Environment Officer.

## Hazardous Wastes

6. The Operator shall collect, store and dispose of hazardous waste in accordance with *The Dangerous Goods Handling and Transportation Act*, and other Provincial and Federal Regulations.

## Placement and Cover

7. The Operator may receive a limited quantity of dead animals at the Facility provided that they are buried immediately with a minimum of one metre of cover. Receipt of more than ten tonnes of dead animals from a single source or event must be approved by an Environment Officer. Dead animal material received at the Facility which may be affected by SRM must be handled in accordance with CFIA requirements.

### **Site Construction and Upgrading**

8. The Operator shall, prior to initiating any construction at the Facility, submit two paper copies and one electronic copy of final engineering design plans, sealed by an engineer(s), to the Director. The plans will show the engineering details of each new component and the location of each new component with respect to other components.
9. The Operator shall construct the Facility in accordance with the design plans submitted to the Director pursuant to Clause 8 of this Permit and subject to any terms and conditions set by the Director.
10. Notwithstanding Clause 8, construction shall be subject to the following conditions:
  - a) the Operator must provide for testing of all clay liners and cut-off walls by a qualified consultant to confirm compaction is 95% Standard Proctor Density on maximum lifts of 150 mm; and
  - b) all active areas or leachate containment developed from or with clay must be constructed to achieve a hydraulic conductivity of not more than  $1 \times 10^{-7}$  cm/s with a minimum thickness of 1 metre perpendicular to the surface. If appropriate or sufficient clay is not available an alternative proposal must be submitted to the Director for written approval prior to construction.
11. The Operator shall arrange with the designated Environment Officer a mutually acceptable time and date for any required soil sampling between the 15th day of May and the 15th day of October of any year, unless otherwise approved by the Environment Officer.
12. The Operator shall take and test undisturbed soil samples from the following:
  - a) the clay of new waste disposal cell(s), not contained within an area confined by a cut-off wall and impermeable base;
  - b) the base of a new cell within the area confined by the cut-off wall;
  - c) cut-off walls;
  - d) leachate ponds; and
  - e) any clay component of the Facility requiring testing by the Director.
13. The number and location of samples and test methods will be specified by the designated Environment Officer up to a maximum of twenty (20) samples per cell, pond, pad or clay component of the Facility.
14. The Licencee shall, prior to operation of any area tested in accordance with Clause 12, receive the approval of the Environment Officer for the results of the tests carried out pursuant to Clause 12 of this Licence.
15. The Operator shall, within 120 days of the completion of the construction of the waste disposal ground, submit "record drawings" along with a construction report to the Director. The construction report shall comprise, without being limited to the following, the engineer's inspection dates and notes, density measurements (for clay lined facility), QC/QA for HDPE lined facility and monitoring well installation logs, locations and background water samples.

### **Burning of Combustible Waste**

16. The Operator shall only burn separated and readily combustible materials such as boughs, leaves, loose straw, paper products, cardboard, non-salvageable untreated wood, and packing



materials derived from wood, and only when there is an appropriate volume of this material to burn. Plywood, composite board or other materials constructed with glues, finishes or preservatives must not be burned.

17. The Operator shall not burn any other products or materials; including but not limited to plastics, composites, rubber, manures, chemically treated fabrics, mattresses, finished furniture, or man-made synthetics.


#### **Monitoring and Reporting Requirements**

18. A minimum of three groundwater monitoring wells (one upstream and two downstream) shall be installed and sampled prior to commissioning of the expansion cells.
19. Groundwater monitoring well samples shall be collected, stored and analyzed using approved field and laboratory techniques for dissolved analysis. The analytical results shall be retained in a format acceptable to Manitoba Sustainable Development and must show previous results and analytical trends.
20. The Operator shall sample the groundwater monitoring for those parameters identified in Appendix A once per year; or at a frequency as approved by the Director.
21. The Operator shall submit an annual report, beginning in 2018, in a format acceptable to the Director, detailing the results of groundwater sampling analyses, complete with previous results and trends. The report shall be submitted to the designated Environment Officer no later than December 31 annually.

#### **Revocation**

22. This permit replaces Permit No. 3011.62 which is hereby rescinded.

March 13, 2017

  
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Tracey Braun, M.Sc.  
Director, Environmental Approvals

## Appendix A Ground Water Chemistry Parameters

Chemical Parameters	
<b>Inorganics</b>	
Alkalinity – Total	Magnesium – Dissolved
Ammonia – Total	Manganese – Dissolved
Arsenic – Total	Mercury – Dissolved
Barium – Dissolved	Nitrate - Reported as N
Boron – Dissolved	Nitrite - Reported as N
Cadmium – Dissolved	Total Kjeldahl Nitrogen – Reported as N
Calcium – Dissolved	pH
Calcium Carbonate	Total Phosphorous
Chloride	Potassium – Dissolved
Chromium – Dissolved	Silicon – Dissolved
Conductivity	Sodium – Dissolved
Copper – Dissolved	Total Dissolved Solids (TDS)
Iron – Dissolved	Sulphate
Lead – Dissolved	Uranium – Dissolved
	Zinc – Dissolved
<b>Volatile Organic Compounds (VOC's)</b>	
BTEX	
<b>Other Organics</b>	
Biological Oxygen Demand (BOD)	Chemical Oxygen Demand (COD)
Dissolved Organic Carbon (DOC)	
<b>Field Parameters</b>	
pH	Groundwater Elevation
Conductivity	Dissolved Oxygen
Temperature	

**Note:** This Appendix is subject to revision at any time by the Director.  
All metals (except Arsenic) are to be sampled for dissolved analysis.  
Dissolved samples should be filtered in the field and preserved in the field at time of sampling. If dissolved samples are not to be filtered and preserved in the field then the Director and the Laboratory must be notified prior to sampling.