



## Sustainable Development

Environmental Stewardship Division  
Environmental Approvals Branch  
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May 30, 2017

Mr. Armand Barbeau  
Director  
**Indigenous and Municipal Relations**  
Box 57- 108 Elizabeth Drive  
Thompson, MB R8N 1X4

Dear Mr. Barbeau:

**Re: Moose Lake Waste Disposal Ground, Permit 47827**

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 Cristal Huculak in The Pas at (204) 627-8248 or via electronic mail at [cristal.huculak@gov.mb.ca](mailto:cristal.huculak@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. 47827 (*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 June 16, 2017.

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On behalf of Indigenous and Municipal Relations

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Date

# Waste Disposal Ground Operating Permit



Permit No: 47827

Client File: 11254

In accordance with the Waste Management Facilities Regulation, made under The Environment Act, **Manitoba Indigenous and Municipal Relations** is hereby permitted to operate a **Waste Disposal Ground**, to be known as the **Moose Lake Waste Disposal Ground** situated at **SE 32-54-20 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 April 30, 2022.
2. The Operator shall obtain approval in writing from the Director for any proposed alterations to the Facility before proceeding with the alteration.
3. The Operator shall maintain and operate the Moose Lake 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.
4. The Operator shall develop an Operations Manual detailing the operation and maintenance for this Facility in accordance with M.R. 37/2016. This manual should include but not be limited to a detailed list of waste and recyclable materials accepted, emergency and safety procedures, composting materials accepted and composting practices followed, handling and management of the fish offal and animal carcass disposal, location where materials not accepted are diverted to, and active cell development, maintenance, cover and closure practices. The operations manual shall be made available to all staff working at the Facility and the Environment Officer upon request in the timeframe specified by the Environment Officer.

## **Materials Acceptance and Handling**

5. Unless otherwise approved in writing by an Environment Officer, the Operator shall allow only solid waste from the Community of Moose Lake and Mosakahiken Cree Nation to be deposited at the Facility.
6. 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.
7. Materials collected for recycling or reuse must be segregated and temporarily stockpiled in clearly signed designated areas. These areas must be maintained to control weeds, vectors and quality of the materials. The Operator shall have the materials removed upon the request of an Environment Officer, within the timeframe specified.

### **Hazardous Wastes**

8. 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.
9. Materials such as batteries and electronic waste must be separated and must not be deposited in the active waste area.

### **Surface Water Management**

10. The site shall be constructed such that all uncontaminated surface water flows away from any material storage area and impacted water from all material storage or disposal areas shall be contained within the Facility boundaries.

### **Placement and Cover**

11. 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**

12. The Operator shall have all new waste disposal cells designed by and construction overseen by a Professional Engineer.
13. 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.
14. The Operator shall construct the Facility in accordance with the design plans submitted to the Director pursuant to Clause 13 of this Permit and subject to any terms and conditions set by the Director.
15. Notwithstanding Clause 13, 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.
16. 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.
17. 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; and
  - d) any clay component of the Facility requiring testing by the Director.
18. 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 or clay component of the Facility.
19. The Licencee shall, prior to operation of any area tested in accordance with Clause 17, receive the approval of the Environment Officer for the results of the tests carried out pursuant to Clause 17 of this Licence.
20. No person shall set any new waste disposal cells into operation, or allow the deposition of any solid waste into a new waste cell at the Facility until authorized in writing by the Director.

### **Composting**

21. The Operator shall compost only yard and leaf waste, straw and sawdust. Any other feedstock requires approval from the Environment Officer, prior to acceptance.

### **Burning of Specified Waste**

22. 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.
23. 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.


### **Closure of Active Cells**

24. The closure of each cell shall be performed as indicated in the Plan.
25. The Operator shall close any former waste disposal area (active area) within 12 months of the termination of use of the cell, with the following as a minimum:
- a) compaction of the waste material;
  - b) placement and compaction of a suitable clay cover material to a thickness of at least 0.5 metres over the waste material;
  - c) grading the final cover material to at least a 2% slope to shed water;
  - d) placement of at least 15 cm of organic soil on top of the clay cap; and
  - e) establishment of a vegetative cover.

**Revocation**

26. This permit replaces Permit No. 41618 which is hereby rescinded.

May 30, 2017

  
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Tracey Braun, M.Sc.  
Director, Environmental Approvals