

Waste Disposal Ground Operating Permit

Permit No: 2226 P1

Client File: 11133

In accordance with the Waste Management Facilities Regulation, made under The Environment Act, the **Town of Gillam** is hereby permitted to operate a **Waste Disposal Ground** to be known as the **Gillam Waste Disposal Ground** situated on parts **NE 10-85-18 EPM and NW 11-85-18 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:

Definitions

In this permit,

"**odour nuisance**" means a continuous or repeated odour, smell or aroma, in an affected area, which is offensive, obnoxious, troublesome, annoying, unpleasant or disagreeable to a person:

- a) residing in an affected area;
- b) working in an affected area; or
- c) present at a location in an affected area which is normally open to members of the public;

if the odour, smell or aroma

- d) is the subject of at least 5 written complaints, received by the Director in a form satisfactory to the Director and within a 90-day period, from 5 different persons falling within clauses a), b) or c), who do not live in the same household; or
- e) is the subject of at least one written complaint, received by the Director in a form satisfactory to the Director, from a person falling within clauses a), b), or c) and the Director is of the opinion that if the odour, smell or aroma had occurred in a more densely populated area there would have been at least 5 written complaints received within a 90-day period, from 5 different persons who do not live in the same household.

General Terms and Operating Conditions

1. This permit expires on April 30, 2024.
2. The Operator shall maintain and operate the Gillam 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. 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, location where materials not accepted are diverted to, and active cell development, maintenance, cover and closure practices. The Operator shall provide the Manual to an Environment Officer upon request.

4. The Operator shall maintain a copy of the Operations Manual developed pursuant to M.R. 37/2016 and a copy of this Operating Permit at the Facility or where the Facility is managed.
5. The Operator shall obtain approval in writing from the Director for any proposed alterations to the Facility before proceeding with the alteration.

Odours

6. The Operator shall not cause or permit an odour nuisance to be created as a result of the construction, operation, or alteration of the Facility, and shall take such steps as the Director may require to eliminate or mitigate an odour nuisance.

Site Access and Control

7. The Operator shall restrict access to the Facility when site supervision is not provided, with a locked gate, barrier or other system approved in writing by an Environment Officer.

Materials Acceptance and Handling

8. 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 regularly or upon the request of an Environment Officer, within the timeframe specified.
9. The Operator shall remove any litter accumulated along the access road and around the perimeter of the site. Litter collection shall occur at minimum twice annually or as required by an Environment Officer.
10. The Operator shall only accept asbestos that is packaged in accordance with the current edition of Guidelines for an Asbestos Operations and Maintenance Program from Workplace Safety and Health Division. All asbestos shall be covered immediately with a minimum of 1 metre of material and the location for disposal shall be documented, provided to the Environment Officer and recorded in the Facility operation and maintenance plan, accessible to all operators.

Liquid Wastes and Sludge

11. The Operator shall not dispose of liquid waste at the landfill or in the active area.
12. The operator shall, prior to April 1, 2020, submit to the Director, an environmental plan and proposed practices for continued acceptance and use or disposal of sludge at the Gillam Waste Disposal Ground. The environmental plan shall document the volumes, use or disposal methods and potential environmental impacts from the sludge including but not limited to the air, soil, surface water and groundwater.
13. The Operator may dispose of dewatered sludge that has a slump of less than 150 mm using the Canadian Standards Association Slump Test Method A23.2-5C at the landfill, in a method approved, in accordance with Clause 12.
14. Until August 31, 2020; the Operator may dispose of dewatered sludge that has a slump of less than 150 mm using the Canadian Standards Association Slump Test Method A23.2-5C in the sludge drying beds of the landfill. The sludge must be contained within the beds and no liquid from the beds may be removed from the facility without Director approval.

Hazardous Wastes

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

Placement and Cover

16. The Operator may use material other than soil for cover of the active area upon receiving written approval from the Director or Environment Officer.

Surface Water Management

17. The site shall be constructed such that all uncontaminated surface water flows to the perimeter ditch and impacted water from all material storage areas shall be contained within the Facility boundaries.

Site Construction and Upgrading

18. The Operator shall have all waste disposal cells, modifications or alterations designed by and construction overseen by a Professional Engineer.
19. 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 or altered component and the location of each new or altered component with respect to other components.
20. The Operator shall construct the Facility in accordance with the design plans submitted to the Director pursuant to Condition 19 of this Permit and subject to any terms and conditions set by the Director.
21. Notwithstanding Condition 19, 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 1×10^{-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.
22. 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.
23. The Operator shall take and test undisturbed soil samples from the following:
 - a) the clay of new waste disposal cell(s);
 - b) leachate ponds; and
 - c) any clay component of the Facility requiring testing by the Director.

24. 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.
25. The Operator shall, prior to operation of any area tested in accordance with Condition 23, receive the approval of the Environment Officer for the results of the tests carried out pursuant to Condition 23 of this Permit.
26. The Operator shall, within 120 days of the completion of construction of a new waste disposal cell 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), updated site plan showing the new cell and monitoring well installation logs, locations and background water samples (if applicable).

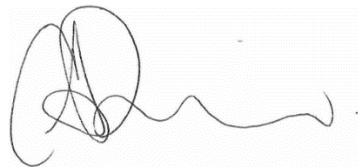
Burning of Specified Waste

27. The Operator shall obtain a Permit to Burn as required under The Wildfires Act (W128) prior to igniting any fires at the Facility.
28. 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. Plywood, composite board or other materials constructed with glues, finishes or preservatives must not be burned.
29. 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.

Revocation

30. This Permit replaces Permit No. 5-007 Rev.1 which is hereby rescinded.

May 21, 2019



Cordella Friesen
Director
The Environment Act