



Environment, Climate and Parks
Environmental Approvals Branch
1007 Century Street, Winnipeg MB R3H 0W4
T 204-945-8321 F 204-045-5229
www.manitoba.ca

Registry File Number: 6000.00
File No.: 32323

December 1, 2022

Coralie Smith
Chief Administrative Officer
Municipality of Westlake-Gladstone
Box 150, Gladstone MB R0J 0T0
csmith@westlake-gladstone.ca

Dear Coralie Smith:

**Re: Municipality of Westlake-Gladstone – Gladstone Waste Disposal Ground
Permit No 44392 P1**

Thank you for your proposal. Enclosed Permit No. 44392 P1 is issued to the Municipality of Westlake-Gladstone to run the Gladstone Waste Disposal Ground.

The Municipality of Westlake-Gladstone must follow all permit requirements and federal, provincial, and municipal regulations and by-laws.

Anyone affected by the issuance of this permit may appeal the decision to the Minister of Environment, Climate and Parks. Appeals must be submitted in writing to the Minister at minecp@leg.gov.mb.ca by January 2, 2023.

If you have any questions about the permit, please contact Tyler Kneeshaw, Regional Supervisor, Environmental Compliance and Enforcement Branch at EnvCEInterlake@gov.mb.ca or 204-239-3608.

Sincerely,

Original Signed By

James Capotosto
Director

Enclosure

c. Tyler Kneeshaw
Public Registry

Waste Disposal Ground Operating Permit



File No.: 32323

Permit No.: 44392 P1

Issue Date: December 1, 2022

Following the Waste Management Facilities Regulation under The Environment Act, the Municipality of Westlake-Gladstone is hereby permitted to run the Gladstone Waste Disposal Ground (facility) on portions of NE 29-14-11 WPM within the Municipality of Westlake-Gladstone, Province of Manitoba. Schedule A of this permit identifies the facility.

This permit is subject to being amended, suspended, or revoked under sections 7 and 9 of the Waste Management Facilities Regulation.

This permit is issued subject to the following terms and conditions:

General Terms and Operating Conditions

1. This permit expires on November 30, 2027.
2. The operator must maintain and operate the facility following :
 - a) the Waste Management Facilities Regulation and any future amendments thereof;
 - b) the Town of Gladstone Landfill Plan (plan) on Operating and Maintenance Procedure prepared by J.R. Cousin Consultants Ltd. (revised in October 2009);
 - c) the Site Evaluation Letter Report dated January 18, 2012; and
 - d) this permit.
3. The operator must obtain approval in writing from the director of the Environmental Approvals Branch before altering the facility.

Materials Acceptance and Handling

4. The operator must segregate materials collected for recycling or reuse, and must temporarily stockpile these materials in clearly signed designated areas. These areas must be maintained to control weeds, vectors, and the quality of the materials.
5. The operator must remove the materials identified in clause 4 of this permit regularly or upon the request of an environment officer, within the timeframe specified.

Shredding of Solid Waste

6. The operator must deposit all stockpiled solid waste in a containment area (i.e., trench, bermed area, fenced enclosure, or structure) before shredding. The containment area must have the capacity to hold all received solid waste.
7. The operator must shred the solid waste at a frequency as identified in the Operation and Maintenance Plan or as required by an environment officer.
8. The operator must deposit shredded solid waste in a designated active area and cover it with a minimum depth of 0.15 m (150 mm) of cover material within 24 hours of shredding.

Hazardous Wastes

9. The operator must collect and dispose of any hazardous waste following The Dangerous Goods Handling and Transportation Act, and other federal, provincial, and municipal regulations.

Placement and Cover

10. The operator may use material other than soil to cover the active area upon receiving written approval from the director or environment officer.

Surface Water Management

11. The operator must construct the facility such that all uncontaminated surface water flows to the perimeter ditch and impacted water from all material storage areas is contained within the facility boundaries.

Site Construction and Upgrading

12. The operator must have all waste disposal cells, modifications, or alterations designed by and construction overseen by an engineer.
13. The operator must, before beginning any construction at the facility, submit an electronic copy of final engineering design plans, sealed by an engineer, 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.
14. The operator must construct the facility following the design plans submitted to the director following clause 13 of this permit and subject to any terms and conditions set by the director.
15. Notwithstanding clause 14 of this permit, construction must 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 that compaction is 95% Standard Proctor Density on maximum lifts of 0.15 m (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 one 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 before construction.
16. The operator must, unless otherwise approved by the designated environment officer, arrange with the 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.
17. The operator must 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.
18. The number and location of samples and test methods will be specified by the designated environment officer up to a maximum of 20 samples per cell or clay component of the facility.
19. The operator must, before using any area tested following clause 17 of this permit, receive the approval of the environment officer for the results of the tests carried out following clause 17 of this permit.
20. The operator must:
- a) prepare record drawings of the facility and must label the drawings "record drawings"; and
 - b) submit "record drawings" along with a construction report to the director within 120 days of the completion of construction of the facility. The construction report must include the following:
 - i) the engineer's inspection dates and notes;
 - ii) density measurements (for clay lined facility); and
 - iii) updated site plan showing the new cell, monitoring well installation logs, locations, and background water samples (if applicable).

Burning of Specified Waste

21. The operator must only burn:
- a) 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
 - b) only when there is an appropriate volume of materials as identified in clause 21(a).

Composting

22. The operator must, unless otherwise approved by an environment officer, compost only yard and leaf waste.

Monitoring and Reporting Requirements

23. The operator must collect, store, and analyze groundwater monitoring well samples using approved field and laboratory techniques for dissolved analysis. The analytical results must be retained in a format acceptable to the director.
24. The operator must sample the groundwater monitoring wells for those parameters identified in Schedule B of this permit once per year, or at a frequency approved by the director.
25. The operator must submit an annual report, in a format acceptable to the director, detailing the sampling methodology, field observations, and results of groundwater sampling analyses, complete with previous results and trends. The report must be submitted annually to an environment officer no later than December 31 of each year.

Revocation

26. This permit replaces Permit No. 44392, which is hereby rescinded.

Original Signed By

James Capotosto
Director

Schedule A to Permit No. 44392 P1
Facility layout



Schedule B to Permit No. 44392 P1
Groundwater chemistry parameters following clause 24 of this permit

Chemical Parameters	
Inorganics	
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	Total Phosphorous
Calcium Carbonate	Potassium – Dissolved
Chloride	Silicon – Dissolved
Chromium – Dissolved	Sodium – Dissolved
Conductivity	Total Dissolved Solids (TDS)
Copper – Dissolved	Sulphate
Iron – Dissolved	Uranium – Dissolved
Lead – Dissolved	Zinc – Dissolved
Volatile Organic Compounds (VOC's)	
BTEX	
Other Organics	
Biological Oxygen Demand (BOD)	Chemical Oxygen Demand (COD)
Dissolved Organic Carbon (DOC)	
Field Parameters	
pH	Groundwater Elevation
Conductivity	Dissolved Oxygen
Temperature	

Note: The director may revise this schedule. All dissolved samples should be filtered in the field and preserved in the field at time of sampling. The operator must notify the director and the laboratory for dissolved samples not filtered and preserved in the field.