

Compost Facility Operating Permit

Permit No: 50486 P2

Client File: 68404

In accordance with the Waste Management Facilities Regulation, made under The Environment Act, the **Town of Minnedosa** is hereby permitted to operate a **Compost Facility** to be known as the **Minnedosa Compost Site** situated at **NE 4-15-18 WPM** in the Rural Municipality of Minto-Odanah, Province of Manitoba.

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

Definition

"**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.

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

General Terms and Operating Conditions

1. This permit expires on June 30, 2024.
2. The Operator shall maintain and operate the Minnedosa Compost Site (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 for this Facility. This plan should include but not be limited to fire, emergency and safety procedures, odour and vector control program details, types of bulking materials to be used, details of composting practices followed and disposal and handling practices for materials not accepted, and the monitoring well sampling protocols for the former landfill monitoring wells. The Operator shall provide to the Environment Officer a copy of the Operations Manual upon receipt of a written request, in the timeline stipulated.
4. The Operator shall obtain approval in writing from the Director for any proposed alterations to the Facility before proceeding with the alteration.

Odours

5. 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.

Hazardous Wastes

6. The Operator shall not collect, store or dispose of hazardous waste at the Facility.

Surface Water Management

7. The site shall be maintained such that all surface water which has been impacted by the compost or feedstock is managed to remain within the Facility boundaries.

Site Construction and Upgrading

8. The Operator shall have all future compost or leachate storage areas or alterations designed by and construction overseen by a Professional Engineer at the request of the Director.
9. The Operator shall take and test undisturbed soil samples from the following:
 - a) leachate storage ponds; and
 - b) any clay component of the Facility requiring testing by the Director.
10. 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 compost pad, storage area or clay component of the Facility.
11. The Operator shall, prior to operation of any area tested in accordance with Condition 9, receive the approval of the Environment Officer for the results of the tests carried out pursuant to Condition 9 of this Permit.
12. Any constructed leachate storage shall be lined with one metre of suitable clay compacted to 95% Standard Proctor Density on a maximum lift of 150mm.

Compost Feedstock and Bulking Materials

13. The Operator shall compost only yard and leaf waste, manure and straw and kitchen scraps not including meat, fish or dairy. The manure content shall not be greater than 5% of the composting feedstock at any given time. Any other feedstock requires approval from the Environment Officer, prior to acceptance.
14. The Operator shall compost materials identified in Condition 13 of this Operating Permit in accordance with the Operations Manual developed pursuant to Condition 3.

Composting

15. The Operator shall maintain a minimum of 100 metres from the compost windrows to any surface watercourse, sinkhole, spring or well and to the operation's boundaries.

Compost Use

16. The Operator shall not sell any compost made at this Facility without first applying for and obtaining a Licence in accordance with Section 10 of The Environment Act.
17. The Operator shall not sell or make available, to any third party, compost generated at the Facility that does not achieve the quality requirements and specifications as contained in the most recent edition of the CCME publication entitled "*Guidelines for Compost Quality – PN 1340*" or equivalent standard approved by the Director.

Environmental Emergency Reporting

18. The Operator shall in the event of an Environmental Accident as defined in The Dangerous Goods Handling and Transportation Act and Regulations thereunder, take all necessary actions to report the spill in accordance with regulatory requirements, contain the spill, manage the impacted environment and restore the environment to the satisfaction of the Director.

Fire Reporting

19. The Operator shall in the event of a fire which continues in excess of thirty (30) minutes or requires fire suppression assistance from personnel outside of the Facility (e.g., fire department) report the fire by calling (204) 944-4888 (toll free 1-855-944-4888), identifying the type of materials involved and the location of the fire.

Burning of Specified Waste

20. The Operator shall not allow burning at this Facility.

Burial of Wood Waste

21. The Operator shall only bury separated wooden materials such as boughs, leaves, tree trunks and shrubbery. Plywood, composite board or other materials constructed with glues, finishes or preservatives must not be buried; and must be disposed of at a waste disposal ground operating under the authority of a permit issued pursuant to Manitoba Regulation 37/2016 or any future amendment thereof, or a License issued pursuant to The Environment Act.
22. The Operator shall not bury any wood waste within 30 metres of a closed waste cell or 30 metres from the property boundary.

Monitoring and Reporting Requirements of former Landfill Cell Monitoring Wells

23. 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.
24. 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.

Annual Report

25. The Operator shall submit an annual report by January 31, detailing the activities of the previous calendar year, in a format acceptable to the Director, to include at minimum:

- a) Compost facility:
 - i) the volume or mass of feedstock composted;
 - ii) the types of feedstock composted;
 - iii) the end use of the compost;
 - iv) any odour complaints received and actions taken;
 - v) any vector or nuisance wildlife activities and actions taken; and
 - vi) results of any quality testing of the compost; and
- b) Closed landfill:
 - i) details of all sampling methodologies;
 - ii) field observations and results of groundwater sampling analyses; and
 - iii) previous results and trends.

Revocation

26. This Permit replaces Permit No. 50486 P1 which is hereby rescinded.

July 24, 2019



Cordella Friesen
Director
The Environment Act

Appendix A Ground Water Chemistry Parameters

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: 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.