Manitoba
Environment and Climate Change
Environmental Approvals Branch
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Public Registry File Number: 6000.00
File Number: 68404

October 11, 2024

Brian Jensen
Operations Manager
Town of Minnedosa
Box 426
Minnedosa MB R0J 1E0
opsmanager@minnedosa.com

Dear Brian Jensen:

Re: Minnedosa Compost Site Permit No. 50486 P3

Please find enclosed Permit No. 50486 P3 in response to your application dated April 2, 2024, and additional information received on August 26, 2024. You wish to continue to operate Minnedosa Compost Site on portions of NE 04-15-18 WPM in the Rural Municipality of Minto-Odanah, Manitoba.

The Town of Minnedosa must follow all permit requirements and federal, provincial, and municipal regulations and by-laws.

Anyone affected by this decision may appeal, in writing, to the Minister of Environment and Climate Change at minecc@manitoba.ca by November 11, 2024. The permit is available on the public registry at https://www.gov.mb.ca/sd/eal/registries/6000wmfpermits/index.html.

For clauses 14-17, the designated environment officer of the Environmental Approvals Branch is Desalegn Edossa, who may be contacted at Desalegn.Edossa@gov.mb.ca or 204-945-7021.

…2

If you have any questions about this approval, please contact Kayla Hagenson, Acting Regional Supervisor, Environmental Compliance and Enforcement Branch at EnvCEWestern@gov.mb.ca or 204-648-4794.

Sincerely,

Original Signed By
Agnes Wittmann
Director
The Environment Act

Enclosure

c. Kayla Hagenson – Environmental Compliance and Enforcement
Desalegn Edossa – Environmental Approvals

Composting Facility Operating Permit

Manitoba
Environment and Climate Change

File No. : 68404

Permit No.: **50486 P3**
Issue Date: **October 11, 2024**

Following the Waste Management Facilities Regulation under The Environment Act, the Town of Minnedosa is hereby permitted to operate the Minnedosa Compost Site (Facility) on portions of NE 4-15-18 WPM within the Rural Municipality of Minto-Odanah, 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:

Definition

In this Permit,

"operator" means the holder of a licence or permit issued in respect of the waste management facility; and

"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 October 11, 2029.

2. The operator must maintain and operate the facility following the Waste Management Facilities Regulation and any future amendments, and this permit.

3. The operator must:
   a) review and update the existing operations manual at least every five years, or at an earlier time if required by the director; and
   b) submit the operations manual to the director or environment officer upon request.

Alteration

4. The operator must obtain approval in writing from the director before altering the facility.

Odour Nuisance

5. The operator must not cause or permit an odour nuisance to be created as a result of the construction, operation, or alteration of the facility, and must take such steps as the director may specify to eliminate or mitigate an odour nuisance.

Site Access and Control

6. The operator must restrict access to the facility when the site is not open to the public with a locked gate, barrier or other system approved in writing by an environment officer.

Materials Acceptance and Handling

7. The operator must implement control measures to prevent attraction and sustenance of rodents and scavenging vectors.

8. The operator must not accept any livestock or other animal mortalities at the facility.

Hazardous Wastes

9. The operator must not collect, store, and dispose of any hazardous waste at the facility without a licence issued under The Dangerous Goods Handling and Transportation Act or any future amendments. If any incidental hazardous waste is found disposed of at the facility, it must be managed following The Dangerous Goods Handling and Transportation Act, and other federal, provincial, and municipal regulations.

Solid Waste

10. The operator must dispose of all non-hazardous solid waste collected at the facility, which is not composted, only to a waste disposal ground operating under the authority of a permit issued under the Waste Management Facilities Regulation or any future amendment, or a licence issued under The Environment Act.

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.

12. The operator must maintain the facility such that there is no standing stagnant water in the area where the compost windrows are situated.

Site Construction and Upgrading

13. The operator must have all future compost or leachate pond areas or alterations designed by and construction overseen by an engineer. The design must follow the Waste Management Facilities Regulation or any future amendments.

14. The operator must, unless approved by the designated environment officer, 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.

15. The operator must, following Schedule B of this permit, take and test undisturbed soil samples from:
    a) leachate pond; and
    b) any clay component of the facility requiring testing by the designated environment officer.

16. 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 compost pad, storage area or clay component of the facility.

17. The operator must, not less than two weeks before using any component of the facility as referenced in clause 15 of this permit, submit for the approval of the designated environment officer the results of the tests carried out following clause 15 of this permit.

Compost Feedstock and Bulking Materials

18. The operator must 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.

19. The operator must compost materials identified in clause 18 of this permit following the operations manual developed following clause 3.

Compost Use

20. The operator must not sell any compost made at this facility without first applying for and obtaining a licence following section 10 of The Environment Act.

21. The operator must not 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

22. The operator must, in the event of an environmental accident, take all necessary actions to report the spill by calling the Environmental Emergency Report Line at 204-944-4888 (toll-free 1-855-944-4888) following regulatory requirements, contain the spill, manage the impacted environment, and restore the environment to the satisfaction of the director.

Fire Reporting

23. The operator must, in the event of a fire that continues in excess of 30 minutes, require implementation of the emergency response plan, or request fire suppression assistance from personnel outside of the facility (example: fire department) by:
    a) calling the fire department; and
    b) reporting to the environmental emergency report line at 204-944-4888 (toll free 1-855-944-4888), identifying the type of materials involved, and the location of the fire.

Burial of Wood Waste

24. The operator must 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 under the Waste Management Facilities Regulation or any future amendments thereof, or a License issued under The Environment Act.

25. The operator must not bury any wood waste within 30 metres of a closed waste cell or 30 metres from the property boundary.

Composting Annual Report

26. The operator must submit an annual report by March 31 of the following year detailing the activities of the previous year, in a format acceptable to the director to include at minimum:
    a) estimated volume or mass of feedstock composted;
    b) types of feedstock composted;
    c) end use of the final compost materials;
    d) any odour complaints received and actions taken;
    e) any vector or nuisance wildlife activities and actions taken; and
    f) results of any quality testing of compost.

Revocation

27. This permit replaces permit No. 50486 P2, which is expired.

Original Signed By
Agnes Wittmann
Director
The Environment Act

Schedule A to Permit No. 50486 P3

Figure 1 Facility layout

Schedule B to Permit No. 50486 P3
Soil sampling following clause 15 of this permit

Soil Sampling

28. The permittee must provide a drilling rig, acceptable to the designated environment officer, to extract soil samples from the specified liner of the structure. This includes all liners constructed with clay. The drill rig must have the capacity to drill to the maximum depth of the clay liner plus an additional 2 metres. The drill rig must be equipped with both standard and hollow stem augers. The minimum hole diameter must be five inches.

29. For liners placed or found at the surface of the structure, the permittee must provide a machine, acceptable to the designated environment officer, capable of pressing a sampling tube into the liner in a straight line motion along the centre axis line of the sample tube and without sideways movement.

30. Soil samples must be collected and shipped following ASTM Standard D 1587 (Standard Practice for Thin-Walled Tube Sampling of Soils), D 4220 (Standard Practice for Preserving and Transporting Soil Samples), and D 3550 (Standard Practice for Ring-Lines Barrel Sampling of Soils). Thin-walled tubes must meet the stated requirements including length, inside clearance ratio, and corrosion protection. An adequate venting area must be provided through the sampling head.

31. At the time of sample collection, the designated environment officer must advise the permittee as to the soil testing method that must be used on each sample. The oedometer method may be used for a sample where the environment officer determines that the soil sample is taken from undisturbed clay soil which has not been remoulded and which is homogeneous and unweathered. The triaxial test must be used for all samples taken from disturbed and remoulded soils or from non-homogenous and weathered soils.

32. The permittee must provide a report on the collection of soil samples to the designated environment officer and to the laboratory technician which includes but is not limited to a plot plan indicating sample location, depth or elevation of sample, length of the advance of the sample tube length of soil sample contained in the tube after its advancement, the soil test method specified by the environment officer for each soil sample and all necessary instructions from the site engineer to the laboratory technician.

33. All drill and sample holes must be sealed with bentonite pellets after the field drilling and sampling have been completed.

Schedule B to Permit No. 50486 P3
Soil sampling following clause 15 of this permit
(continued)

Soil Testing Methods

34. Triaxial Test Method

    a) The soil samples must be tested for hydraulic conductivity using ASTM D 5084 (Standard Test Method for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter).

    b) Soil specimens must have a minimum diameter of 70 mm (2.75 inches) and a minimum height of 70 mm (2.75 inches). The soil specimens must be selected from a section of the soil sample which contains the most porous material based on a visual inspection. The hydraulic gradient must not exceed 30 during sample preparation and testing. Swelling of the soil specimen should be controlled to adjust for: the amount of compaction measured during sample collection and extraction from the tube and the depth or elevation of the sample. The effective stress used during saturation or consolidation of the sample must not exceed 40 kPa (5.7 psi) or the specific stress level, that is expected in the field location where the sample was taken, whichever is greater.

    c) The complete laboratory report, as outlined in ASTM D 5084, must be supplied for each soil sample collected in the field.

35. Oedometer Test Method

    a) The soil samples must be tested for hydraulic conductivity using ASTM D 2435 (Standard Test Method for One-Dimensional Consolidation Properties of Soils).

    b) Soil specimens must have a minimum diameter of 50 mm (2 inches) and a minimum height of 20 mm (0.8 inches). The soil specimens must be selected from a section of the soil sample which contains the most porous material based on a visual inspection. The soil specimen must be taken from an undisturbed soil sample. The soil specimen must be completely saturated.

    c) The complete laboratory report, as outlined in ASTM D 2435, must be supplied for each soil sample collected in the field