Manitoba
Environment and Climate
Environmental Approvals Branch
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Public Registry File Number: 6000.00
File Number: 24153

June 6, 2023

Corlie Larsen
Chief Administrative Officer
Rural Municipality of Armstrong
Box 69
Inwood MB R0C 1P0
cao@rmofarmstrong.com

Dear Corlie Larsen:

Re: Rural Municipality of Armstrong – Meleb Waste Disposal Ground Permit No. 36032 P2

Please find enclosed Permit No. 36032 P2 in response to your proposal dated January 4, 2023. You wish to operate the Meleb Waste Disposal Ground on portions of NW 15-20-2EPM within the Rural Municipality of Armstrong.

The Rural Municipality of Armstrong 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 at minec@leg.gov.mb.ca by July 6, 2023. The permit is available on the public registry at.
https://www.gov.mb.ca/sd/eal/registries/6000wmfpermits/index.html

For clauses 13, 16, and 18-20, the designated environment officer of the Environmental Approvals Branch is Edwin Yazon, who may be contacted at Edwin.Yazon@gov.mb.ca or 431-335-2554. If you have any questions about this approval, please contact Tyler Kneeshaw, Regional Supervisor, Environmental Compliance and Enforcement Branch at EnvCEInterlake@gov.mb.ca or 204-239-3608.

Sincerely,

Original Signed By
Agnes Wittmann
Director
The Environment Act

Enclosure

c. Edwin Yazon

Waste Disposal Ground Operating Permit

Manitoba
Environment and Climate

File No. : 24153

Permit No.: 36032 P2
Issue Date: June 6, 2023

Following the Waste Management Facilities Regulation under The Environment Act, the Rural Municipality of Armstrong is hereby permitted to run the Meleb Waste Disposal Ground (facility) on portions of NW 15-20-2 EPM within the Rural Municipality of Armstrong, 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.

General Terms and Operating Conditions

1. This permit expires on June 2, 2028.

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

3. The operator must obtain approval in writing from the director 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. The operator must maintain these areas 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.

6. The operator must dispose of asbestos or asbestos containing material following the most current version of Guideline for Asbestos Disposal at a Landfill.

7. The operator must keep a record, by Global Positioning System (GPS), of the locations, burial depth, and volume of buried asbestos.

8. The operator:
   a) may accept less than ten tonnes of dead animals from a single source or event at the facility provided that they are buried immediately with a minimum one metre cover or as approved by an environment officer;

b) may accept more than ten tonnes of dead animals upon receiving written approval from an environment officer; and
c) must handle dead animals when identified as specified risk material following the Canadian Food Inspection Agency requirements.

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 designated environment officer. 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 designated environment officer following clause 13 of this permit and any terms and conditions set by the designated environment officer.

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 $1x10^{-7}$ 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 designated environment officer 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 designated environment officer**.**

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 designated 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 designated environment officer 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) of this permit.

Composting

22. The operator must, unless 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.

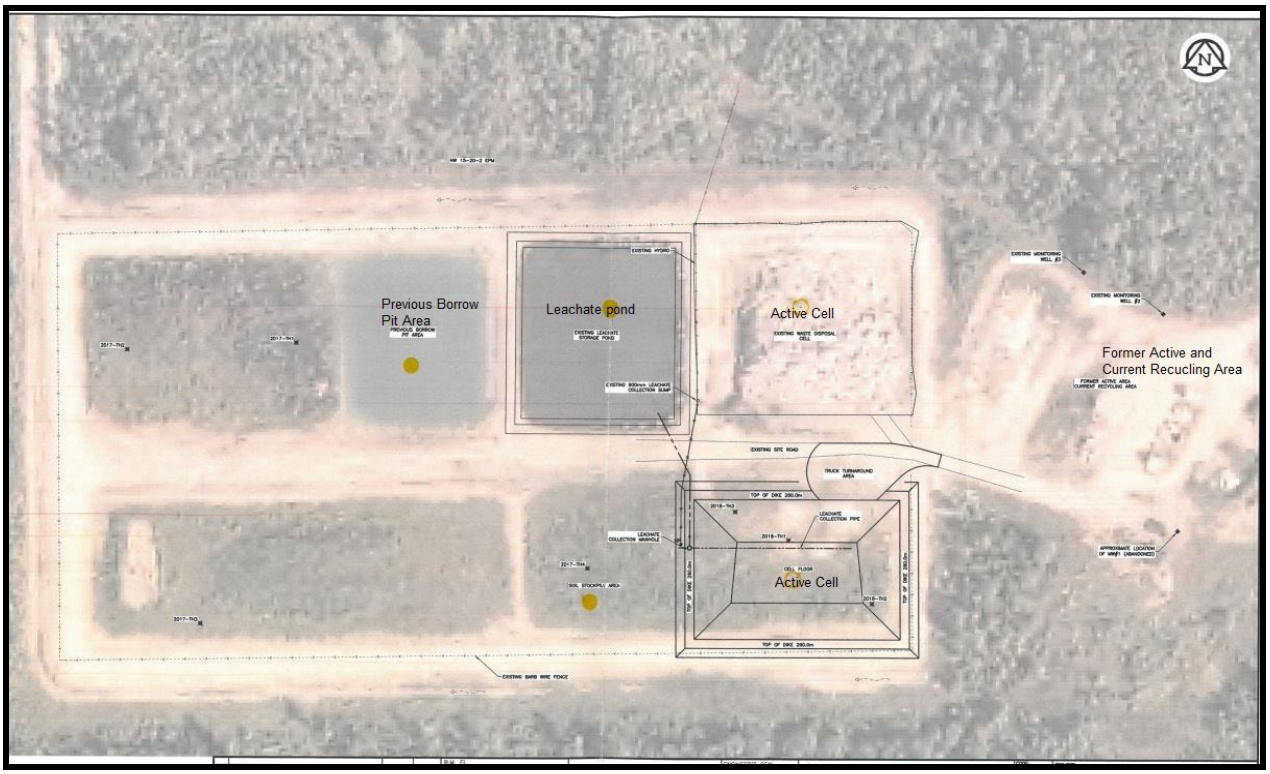
25. The operator must submit an annual report, in a format acceptable to the director, detailing the sampling methodology, field observations and results of groundwater sampling analyses, complete with previous results and trends. The report must be submitted annually to an environment officer no later than December 31 of each year.

Revocation

26. This permit replaces Permit No. 36032 P1, which is hereby rescinded.

Original Signed By
Agnes Wittmann
Director
The Environment Act

Schedule A to Permit No. 36032 P2
Facility Layout



Schedule B to Permit No. 36023 P2
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.