



Environment and Climate Change

Environmental Approvals Branch
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File Number: 3851.00

August 20, 2024

Barry Blue
District Manager
Waste Connections of Canada Inc.
Prairie Green Landfill
Rosser MB R3C 2E6
barry.blue@wasteconnections.com

Dear Barry Blue:

Re: Prairie Green Integrated Waste Management Facility (Landfill) – Notice of Alteration Approval – Environment Act Licence No. 2177 E R5

Thank you for your notice of alteration received on August 12, 2024, seeking design changes to the search facility area. The proposed changes include changing liners of the search facility area and the search area leachate pond (i.e., pond 2) from clay to plastic, reducing the search facility area overall footprint by half, and identifying other ancillary items related to construction activities for the search facility area pad. Schedule A of this approval identifies the new design.

As the potential environmental effects resulting from the alteration are insignificant, I approve the alteration per Section 14(2) of The Environment Act. Conditions 18-22 of the Notice of Alteration approval dated June 11, 2024, are removed and replaced with the following conditions:

General Terms

1. The licensee must follow all other conditions of the Notice of Alteration dated June 11, 2024.

Search facility liner components

2. The licensee must, unless otherwise approved by the director, construct the search facility area and pond 2 following the notice of alteration submitted on August 12, 2024.
3. The licensee must notify the designated environment officer, not less than five (5) days and not more than ten (10) days before the search facility area and pond 2 construction begins.

4. The licensee must construct the synthetic liner following conditions 5 to 7 of this approval.
5. The licensee must construct and maintain a continuous liner underlying the search facility area and pond 2, such that:
 - a) the liner is constructed from HDPE geomembrane;
 - b) the liner has a minimum thickness of 60 mils;
 - c) all sections of the liner are joined by dual track seaming;
 - d) the liner is installed under the entire base of the search area and pond 2, including its berms;
 - e) the liner is installed following ASAE Standard EP340.2 for the installation of Flexible Membrane Linings;
 - f) non-destructive test methods are used to test the integrity of:
 - i. all field seams joining liner sections following ASTM Standard D 5820-95 (Reapproved 2006); and
 - ii. all other field seams following ASTM Standard D 4437-99;
 - g) an installation report is prepared and submitted to the designated environment officer for approval within 30 days of commencing the installation of the liner. The installation report must include a cover letter with a declaration that the liner is continuous underlying the component. The installation report must also include the test results, a discussion of the results, and a declaration that the liner was installed following the manufacturer's requirements;
 - h) the floor of the liner is covered with sand or other granular cover material to a minimum depth of 0.3 metres measured perpendicular to the surface of the liner; and
 - i) the liner is secured to prevent lifting.
6. The licensee must not cover the synthetic liner until receiving written approval from the designated environment officer on the report submitted according to sub-condition 5g) of this approval.
7. The licensee must not operate or allow the use of the search facility area and pond 2 until the designated environment officer has issued written authorization.
8. The licensee must:
 - a) notify the environment officer before transporting any asbestos-contaminated leachate or wastewater generated from this work to an approved wastewater treatment or disposal facility; and
 - b) confirm with an operator of a receiving wastewater treatment or disposal facility that it is capable of treating or disposing of the asbestos-contaminated wastewater or leachate.

9. The licensee must, at least four weeks prior to beginning operation of the search facility area, prepare an asbestos and hazardous materials management plan by a qualified professional which includes but is not limited to the following:
- a) use of non-porous smooth flooring materials to mitigate asbestos exposure as the asphalt flooring as proposed in the notice of alteration is not a suitable flooring material for the stated purpose;
 - b) roles and responsibilities, including the designate responsible for ensuring the hazardous materials exposure protocols are followed;
 - c) hazardous materials and asbestos assessment, including identifying all potential asbestos-contaminated waste and labelling them as required (i.e., wastewater, personal protective equipment etc.);
 - d) hazardous materials and asbestos exposure mitigation strategies;
 - e) emergency procedures and exposure notification plan for hazardous materials and asbestos work;
 - f) inspection of hazardous materials and asbestos work;
 - g) air monitoring for hazardous materials and asbestos work for the ambient environment; and
 - h) training requirements.

Anyone affected by this decision may appeal, in writing, to the Minister of Environment and Climate Change at minecc@manitoba.ca by September 19, 2024. This approval is available on the public registry at <https://www.gov.mb.ca/sd/eal/registries/index.html>.

For conditions 3, 5, 6, and 7 of this approval, the designated environment officer is Mehak Bajwa, Senior Environmental Engineer, Environmental Approvals Branch who can be reached at Mehak.Bajwa@gov.mb.ca or 431-334-3667.

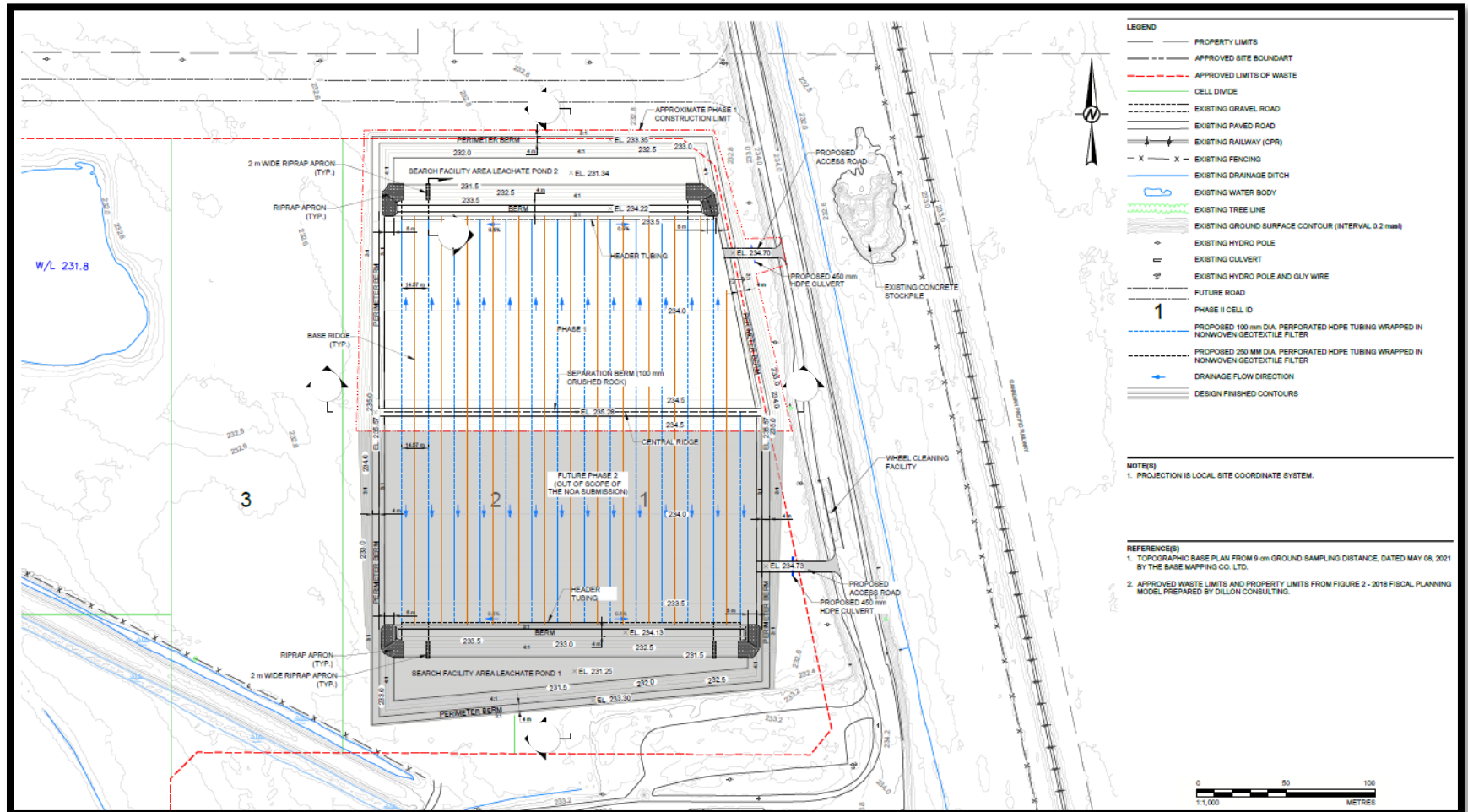
If you have any questions about this approval, please contact Sonja Bridges, Acting Regional Supervisor, Environmental Compliance and Enforcement Branch at EnvCEWinnipeg@gov.mb.ca or 204-918-4271.

Sincerely,

Original Signed For
Agnes Wittmann
Director
The Environment Act

c. Mehak Bajwa
Sonja Bridges

Schedule A to the Notice of Alteration dated August 20, 2024



Search area facility, pond 2, and ancillary items layout