



Conservation and Climate

Environmental Stewardship Division
Environmental Approvals Branch
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File No.: 3502.00

October 21, 2020

Denise Paret, Chief Administrative Officer
Rural Municipality of De Salaberry
Box 40
St Pierre-Jolys MB R0A 1V0

Dear Denise Paret:

Re: RM of De Salaberry (Otterburne Wastewater Treatment Lagoon) – Notice of Alteration Approval for Discharge Valve Replacement – Environment Act Licence No. 1693

Thank you for your Notice of Alteration request dated July 16, 2020 for the wastewater treatment lagoon operating under Environment Act Licence No. 1693. The intent of the alteration is to decommission the existing leaky discharge valve and install a new Manitoba Water Services Board approved gate valve on the existing discharge pipe on the downslope of the exterior berm in order not to disturb the existing clay cut-off liner.

Upon review of the proposed alteration and pursuant to Section 14 of The Environment Act, I hereby amend Clause 9 of the Licence, add Clauses 15-24 to the Licence, and approve the implementation of the July 16, 2020 Notice of Alteration in accordance with the specifications, limits, terms, and conditions prescribed under Appendix A of this approval.

This approval is contingent on the acceptance of a revised Environment Act Licence for the wastewater treatment lagoon to be issued in the near future.

If you have any questions or would like to discuss the foregoing, please contact Asit Dey, Environmental Engineer, Manitoba Conservation and Climate at Asit.Dey@gov.mb.ca or 204-794-3389.

Larry Markwart is the assigned Environment Officer. He can be contacted at Larry.Markwart@gov.mb.ca or 204-392-3227.

Sincerely,

Original Signed By

Shannon Kohler, Director
Environmental Approvals Branch

Encl.

cc. Kristal Harman/Yvonne Hawryliuk/Larry Markwart, Environmental Compliance and Enforcement
Siobhan Burland Ross/Asit Dey, Environmental Approvals
Public Registry

Appendix A

Pursuant to October 21, 2020 Notice of Alteration Approval Letter

Respecting Operation – Wastewater Treatment Lagoon

9. The Licencee shall not discharge effluent from the wastewater treatment lagoon where:
- a) the organic content of the effluent, as indicated by the five day carbonaceous biochemical oxygen demand, is in excess of 25 milligrams per litre;
 - b) the fecal coliform content of the effluent, as indicated by the MPN index, is in excess of 200 per 100 millilitres of sample;
 - c) the total suspended solids content of the effluent, as indicated by the non-filterable residue, is in excess of 25 milligrams per litre;
 - d) the unionized ammonia content of the effluent is in excess of 1.25 milligrams per litre expressed as nitrogen (N), at $15^{\circ}\text{C} \pm 1^{\circ}\text{C}$;
 - e) between the 1st day of November of any year and the 15th day of June of the following year;
 - f) when flooding from any cause is occurring along the effluent drainage route;
or
 - g) when the discharge of effluent would cause or contribute to flooding in or along the effluent drainage route.

Respecting Disinfection – General

15. The Licencee shall, when chlorine is used as a disinfecting agent:
- a) notify the Director in advance;
 - b) dechlorinate effluent prior to discharge;
 - c) obtain grab samples prior to and daily during the discharge period and have them analyzed for total residual chlorine; and
 - d) not discharge effluent where the concentration of the total residual chlorine is in excess of 0.02 milligrams per litre.

Respecting Monitoring

16. The Licencee shall, prior to each effluent discharge campaign, obtain grab samples of the treated wastewater and have them analyzed for:
- a) the organic content as indicated by the five-day carbonaceous biochemical oxygen demand and expressed as milligrams per litre;
 - b) the total suspended solids content expressed as milligrams per litre;
 - c) the fecal coliform content as indicated by the MPN index and expressed as MPN per 100 millilitres per sample;
 - d) the total phosphorus content expressed as milligrams per litre; and
 - e) the unionized ammonia nitrogen expressed as milligrams per litre.

Respecting Records Maintenance and Reporting

17. The Licencee shall during each year maintain the following records and retain them for a minimum period of five calendar years:
- a) reports of visual inspections conducted a minimum of once per month;
 - b) wastewater sample dates;
 - c) original copies of laboratory analytical results of the sampled wastewater;
 - d) a summary of laboratory analytical results;
 - e) cell isolation dates (i.e., valve operation records);
 - f) effluent discharge dates;
 - g) estimated effluent discharge volumes;
 - h) maintenance and repairs;
 - i) expansions to the collection system with associated capacity assessment;
 - j) updated organization charts identifying all certified operators, including backup operators; and
 - k) a summary of any wastewater collection system overflows sanitary sewer overflows / combined sewer overflows.
18. The Licencee shall submit an annual report to the Environment Officer by February 28 of the following year including all records required by Clause 17 of this approval.

Respecting Valve Replacement

19. The Licencee shall notify the assigned Environment Officer one week in advance of commencing the work associated with the valve replacement.
20. The Licencee shall not remove sludge from the wastewater treatment lagoon or use in any way for backfilling of the excavation.
21. The Licencee shall complete the backfilling of the excavation in layers no greater than 300 mm thick and shall compact each layer to a density equivalent to that of the surrounding in-situ material of the dyke.
22. The Licencee shall return any areas in and around the wastewater treatment lagoon disturbed by the valve replacement activities to original or better condition.
23. The Licencee shall dispose of non-reusable construction debris from the Development at a waste disposal ground operating under the authority of a permit issued pursuant to Manitoba Regulation 37/2016 respecting Waste Management Facilities, or any future amendment thereof, or a Licence issued pursuant to The Environment Act.
24. The Licencee shall, upon completion of the repair work, provide the assigned Environment Officer with a brief summary describing the work. The summary shall include a basic drawing displaying the general details of the location of the newly installed valve relative to other associated components of the intercell pipe.