

File No.: 3487.00

January 30, 2025

Daryl Hrehirchuk
Chief Administrative Officer
R.M. of Macdonald – Regional water supply system
P.O. Box 100
Sanford MB R0G 2J0
daryl@rmofmacdonald.com

Dear Daryl Hrehirchuk:

Re: Notice of Alteration Approval - Environment Act Licence No. 1599 R

Thank you for your notice of alteration dated October 3, 2024, and the additional information dated December 12, 2024. The department understands you wish to upgrade the existing water treatment plant capacity from 70 litres per second to 120 litres per second through additional infrastructure, including a building expansion, new membrane systems, and other associated equipment.

The proposal is to construct a 2.5 million litres capacity concrete reservoir, along with a new 1000 square metre pre-engineered structure above. The new building expansion will contain four new ultrafiltration membranes, two greensand pressure filters, new raw water strainers, and a new chemical storage handling area. The upgrades will include installing two new reverse osmosis trains in the original plant area and replacing the existing intake screen with a Department of Fisheries and Oceans-compliant intake screen. Figures 1, 2, and 3 of Schedule A of this approval identify the topsoil handling, compaction and roaching methodology as referenced in clause 26 of this licence.

As the potential environmental effects resulting from the proposed alteration are insignificant, I approve the alteration per Section 14(2) of The Environment Act and amend clauses 19 and 29 of the licence as follows:

Clause 19

The licensee must not release chlorinated water from pipeline testing and startup activities associated with the development to a surface water body until total residual chlorine concentrations are equal to or less than 0.02 milligrams per litre. Releases of chlorinated water at higher concentrations may be made to vegetated land or dry waterways, provided that total residual chlorine concentrations have decayed to 0.02 milligrams per litre or less before the released water reaches any water body.

Clause 29

The licensee must, unless otherwise approved by the director in writing, operate the water diversion and management works as described below:

- a) a pumping system on SW 29-8-1 EPM that diverts up to a maximum of 1,109 cubic decametres (899 acre-feet) of annual firm flow with a maximum pumping rate of 75 litres per second (2.6 cubic feet per second) from La Salle River as shown in Figure 4 of Schedule A of this approval;
- b) a pumping system on SW 29-8-1 EPM that diverts up to 874 cubic decametres (708.6 acre-feet) of spring runoff per year from La Salle River with a maximum pumping rate of 110 litre per second (3.88 cubic feet per second); and
- c) operate the development following the Water Rights Licence issued for the water treatment plant under The Water Rights Act and any future amendments.

In executing this work, the R.M. of Macdonald must:

1. adhere to the commitments made in the notice of alteration dated October 3, 2024, and additional information dated December 12, 2024;
2. restrict construction and operational activities to only such lands to which the licensee possesses legal control, by ownership or by rental, lease, or other agreement;
3. not cause or permit a noise nuisance to be created as a result of the construction, operation or alteration of the development, and shall take such steps as the director may require to eliminate or mitigate a noise nuisance;
4. conduct the effluent monitoring program following clause 31 of this licence within 9 months prior to commissioning of the facility for operation;
5. record rates of water pumped, duration of pumping, daily volumes, and accumulated volumes of water pumped on a daily basis;
6. during each year, maintain the following records, if applicable and retain them for a minimum period of five calendar years:
 - a. membrane concentrate and backwash sampling dates;
 - b. original copies of laboratory analytical results of the sampled membrane concentrate and backwash water;
 - c. a summary of laboratory analytical results;
 - d. raw water volumes; and

- e. membrane concentrate and backwash discharge volumes.
- 7. submit an annual report to the environment officer responsible for the administration of this licence by February 28 of each year for the previous year including all records required by condition 6 of this letter;
- 8. prepare, within 90 days of the date of issuance of this letter, and maintain an emergency response contingency plan following the Canadian Centre for Occupational Health and Safety "Emergency Response Planning Guide" or other emergency planning guidelines acceptable to the director.

All other clauses of Environment Act Licence No. 1599 R remain in effect. Anyone affected by this decision may appeal, in writing, to the Minister of Environment and Climate Change at minecc@manitoba.ca by March 1, 2025. This approval is available on the public registry at <https://www.gov.mb.ca/sd/eal/registries/index.html>.

If you have any questions regarding this approval, please contact Jay Mak, Senior Environmental Engineer, Environmental Approvals Branch at Jay.Mak@gov.mb.ca or 204-619-0709.

For questions relating to the ongoing administration of the licence, please contact Sonja Bridges, Acting Regional Supervisor, Environmental Compliance and Enforcement Branch at EnvCEWinnipeg@gov.mb.ca or 204-918-4271.

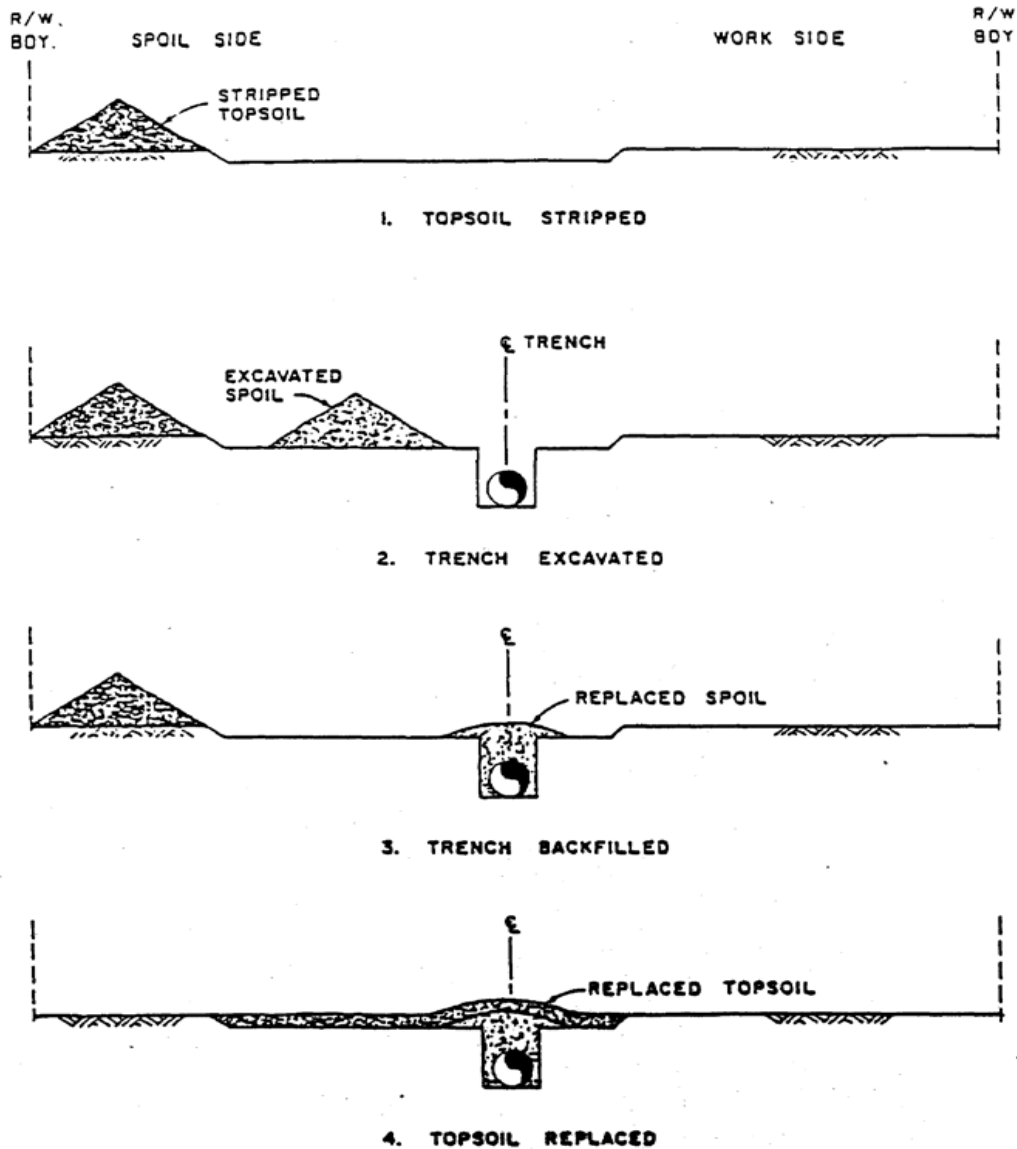
Sincerely,

Original Signed By
Agnes Wittmann
Director
The Environment Act

c. Jay Mak
Sonja Bridges

Schedule A to January 30, 2025, Notice of Alteration Approval

Figure 1 to Licence No. 1599 R
Topsoil handling following clause 26 of the licence



SEQUENCE OF TOPSOIL HANDLING

Figure 2 to Licence No. 1599 R
Topsoil compaction following clause 26 of the licence

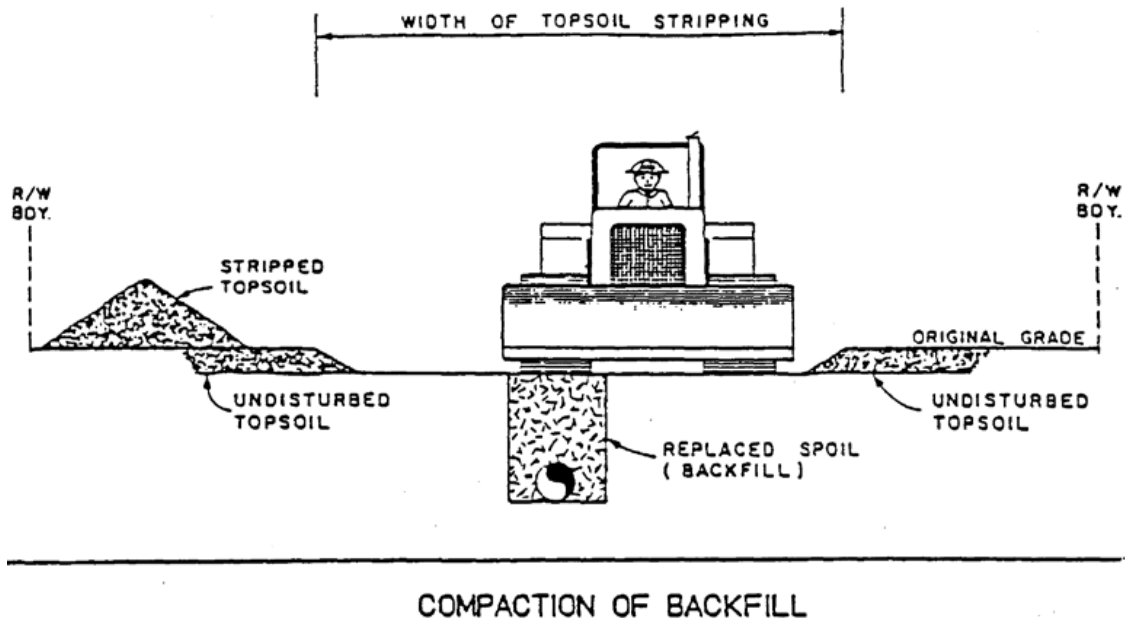


Figure 3 to Licence No. 1599 R
Trench roaching following clause 26 of the licence

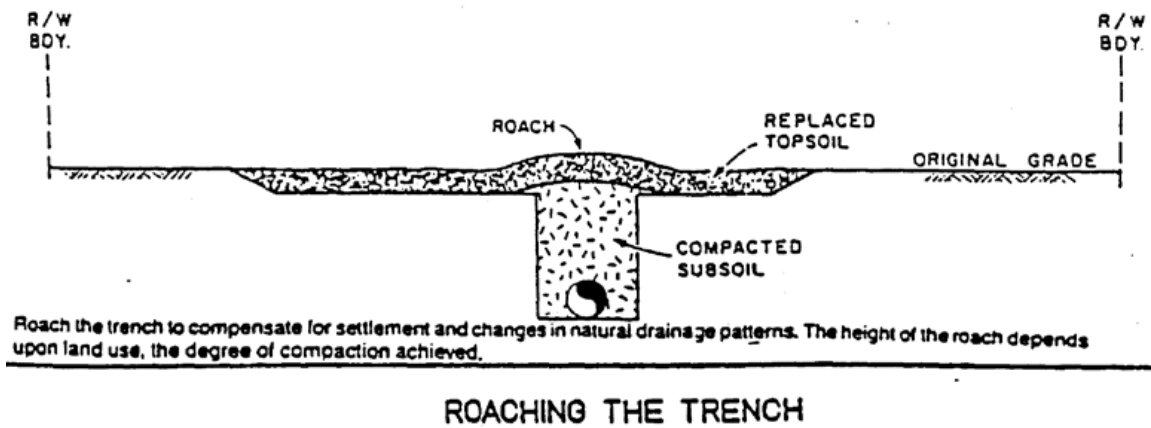


Figure 4 to Licence No. 1599 R
The layout of the project following condition 29

