



2019-07-23

WSP Project No: 191-00895-00

**Director of Environmental Approvals**

Environmental Approvals Branch

1007 Century Street

Winnipeg, MB

R3H 0W4

**Subject: RM OF HANOVER – GRUNTHAL WASTEWATER TREATMENT LAGOON**

On behalf of our client, the RM of Hanover (RM), WSP is requesting to suspend our current request for Notice of Alteration until further notice. Subsequently, WSP is requesting on behalf of the RM the approval of an immediate short term pilot to permit a portion of the currently available treated wastewater effluent from the Grunthal wastewater treatment lagoon, which would otherwise be discharged, be used for irrigation purposes of adjacent farmland.

A short term pilot project will permit the RM and the farmland owner to explore the feasibility of conveying water from the lagoon to the farmland, the management of its performance and monitoring, and the suitability of this collaborative initiative should it need to be explored further.

The crop to be irrigated is alfalfa, anticipated to be irrigated between June 15 to June 25, 2020. Daily irrigation would be limited to a continuous ten hour period within 24 hours.

Monitoring efforts are to include:

- Discharge water quality parameters as per Licence 2984 will be maintained.
- Electrical conductivity and sodium absorption ratio of the treated wastewater intended for irrigation will be recorded.
- Soil samples should be collected and analyzed for salts, and nutrients and trace elements at the end of the season.
- Records related to the crop grown, yield, irrigation volumes and irrigation and wastewater application rates shall be maintained for the duration of the irrigation short term pilot program.

A copy of a letter indicating the farmland owner's agreement with this proposed short term pilot project is attached, in addition to our technical memo contemplating wastewater irrigation practices between the RM of Hanover and the Landowner.

If you have any questions, or require additional information, please feel free to contact me directly.

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JULY 16/2019

R. M. OF HANOVER -  
GRUNTHAL WASTEWATER LABOON  
SHORT TERM PILOT REQUEST. - LICENSE# 2984

TO USE THE WATER TO IRRIGATE.  
ON LANDS NE 20-5-5E.  
CROPS WILL BE ALFALFA and HAY-ALFALFA  
MIX.

TO BE IRRIGATED APPROXIMATELY  
JUNE 15 TO JUNE 25 OF THE YEAR 2020.

I, EDWIN FROESE, OF FRAZER FARMS,  
WILL COMPLY WITH THE SOIL SAMPLE  
REQUESTS. AFTER THE WASTEWATER  
APPLICATION. IF ON A DRY YEAR OUR FARM  
WOULD BENEFIT AND APPRECIATE THE OPPORTUNITY  
TO IRRIGATE OUR LANDS, HOWEVER IF THERE  
ARE SUFFICIENT RAINS WE WOULD NOT NEED  
TO IRRIGATE.

Box 587 GRUNTHAL, MB.  
ROAD RD.

CELL 204-326-7434

OWNER EDWIN FROESE

