

April 12, 2016

Report To: Mayor & Council

From: Doug Brown, Manager of Operations & Facilities

**SUBJECT: Re: Request from Asselin Transportation & Storage Ltd. to Transfer Sanitary Sewage from New Gold Camp Site to our Sanitary Sewer Collection System for Treatment**

Please find attached the letter dated April 1<sup>st</sup>, 2016 from Asselin Transportation & Storage Ltd. requesting permission to transfer sanitary sewage from the New Gold property into the Town's sanitary sewer collection system for treatment. This request was referred to the O & F executive committee for review and recommendation.

Basically, Asselin would be given the authority to transfer sanitary sewage from their haulage truck into a sanitary manhole near the gravity high flow section of the Sanitary Sewer collection system. For example the 1<sup>st</sup> manhole north 5<sup>th</sup> Street on Keating Avenue. Where Asselin will throttle the flow of sewage (3000 or 13.64 cu. meters) into the sanitary sewer manhole to ensure that no property owners are negatively affected.

Presently, there is no rate outlined in the Town's user fee by-law for wastewater to be transferred directly into the sanitary sewer collection system for treatment. However the Town has a rate for potable water set at \$ 25.38 per cubic meter. The 2015 actual cost to treat and discharge a cubic meter of wastewater was \$ 1.92 where the published 2016 non-residential rate is \$ 2.51. Emo is charging \$ 5.50 per cubic meter based on the information provided by Asselin.

It is difficult to determine the amount of wastewater that is going to be discharged into the sanitary sewer collection system. In March the STP treated and discharged on average 7,463.39 cubic meters of wastewater per day. Where one load represents 0.18% of the hydraulic loading per day thus is considered kind of insignificant. I also gave Asselin permission to dump loads in the Town's sanitary sewer collection system prior to establishing the new rate, as Emo refused wastewater from the New Gold Mine site camp as a result of a treatment capacity issue. It was clearly understood by Asselin that it would be responsible to pay the rate established and approved by the Town for these loads. At the time of writing this report only 3 loads have been received and transferred into the sanitary sewer collection system from the mine site for treatment.

At this time one needs to establish a new rate per cubic meter for wastewater.

Asselin pays Emo	\$ 5.50 per cubic meter or \$75.00 per load
Based on actual Costs 2015 costs	\$ 1.92 per cubic meter or \$ 26.19 per load
Based on 2016 non- residential rate	\$ 2.51 per cubic meter or \$ 34.24 per load
Based on 47.63 % of 2016 cost of Potable water rate from a fire hydrant	\$12.03 per cubic meter or \$ 164.09 per load

I am of the opinion that the hydraulic loading is insignificant where the Town should make a profit and there should be no cost to any of the existing water/wastewater customers. However the rate should be high enough to be a deterrent to wastewater haulers where this becomes an acceptable practice or service provided by the Town. This service should only be used as a last resort when there are no alternatives or options available. This appears to be the case in this situation.

It is recommended that the rate per cubic meter be set at \$12.03 per cubic meter or \$164.09.

After a lengthy discussion at the O & F executive committee meeting on April 20, 2016, the Operations & Facilities Executive Committee recommends the following;

- 1) That the rate per cubic meter of wastewater be set at \$18.33 where the user fee by-law is revised.
- 2) That only wastewater from holding tanks be authorized to be transferred & discharged into the gravity high flow section of the Sanitary Sewer collection system.
- 3) That each request is reviewed and approved by the Operations & Facilities Division.
- 4) That administration prepare a letter of intent allowing wastewater from the New Gold Mine Camp to be transferred into the Town's wastewater collection system.

Respectfully submitted,  
Operations & Facilities Division



Doug Brown, P. Eng.  
Operations & Facilities Manager

**Council approval of this report will ensure:**

- 1) That the rate per cubic meter of wastewater be set at \$18.33 where the user fee by-law is revised.
- 2) That only wastewater from holding tanks be authorized to be transferred & discharged into the gravity high flow section of the Sanitary Sewer collection system.
- 3) That each request is reviewed and approved by the Operations & Facilities Division.
- 4) That administration prepare a letter of intent allowing wastewater from the New Gold Mine Camp to be transferred into the Town's wastewater collection system.