Schedule 'B' – Overstrength Surcharge Fee Formula

For purposes of determining the fees to be paid under an Overstrength Surcharge Agreement, the following formula shall apply. The fee formula will be updated annually to reflect cost recovery using data provided from the previous year.

$$Actual\ Concentration, \frac{mg}{L} - Allowable\ Limit, \frac{mg}{L} \times (Volume, m3) \times R, \frac{\$}{kg}$$

The presentation of the formula is presented as follows:

$$Cost = F \times Q \times R$$

Where:

F is the difference of: *Actual Concentration – Allowable Concentration (mg/L)* For each parameter in excess of the respective By-law limits (mg/L);

Q is the volume of discharge of sewage flow in m^3

R is the rate for sewage treatment in \$/kg of sewage flow for each parameter, as determined by the City annually, to reflect cost recovery based off the previous years data

Example:

BOD	857 mg/L	
TSS	382 mg/L	
TP	18 mg/L	
TKN	50 mg/l	
O&G	55 mg/l	
Flow	7,563 m³/month	

BOD : (857 – 300 mg/L)/1000 * 7,563 m³/month * \$0.90/kg = \$3,791.33

TSS : (382 – 350 mg/L)/1000 * 7,563 m³/month * \$0.75/kg = \$181.51

TP : (18 – 10 mg/L)/1000 * 7,563 m³/month * \$15.21/kg = \$920.27

Total Surcharge = \$4,893.11