

APPENDIX E

Proposed Update to the Wastewater Bylaw Surcharge Substances

Surcharge Substance	Concentration Limit (mg/L)		
	2016 (Existing)	2017 (Existing)	2018
BOD	300	300	300
COD	-	-	600
TSS	300	300	300
Non-Mineral Grease	100	100	100
Mineral Grease	15	15	15
Phosphorus, (as phosphates)	30	30	10
TKN	-	-	50

Surcharge Equation

$$Surcharge = \frac{Measured\ Concentration - Limit\ Concentration}{Limit\ Concentration} \times Wastewater\ Volume \times R$$

Where,

Measured Concentration = the concentration of parameter measured in the effluent discharged with the highest percentage differential

Limit Concentration = the concentration limit at which overages result in surcharge

Wastewater Volume = total flow discharged (m³)

R = unit cost per unit volume of flow being treated including risk multiplier and administration costs

Proposed 12 Year Phase In

Year	Year	R value (\$/m ³) wastewater
1	2016	0.0026
2	2017	0.0026
3	2018	0.0620
4	2019	0.1015
5	2020	0.1407
6	2021	0.1801
7	2022	0.2195
8	2023	0.2590
9	2024	0.2980
10	2025	0.3375
11	2026	0.3770
12	2027	0.4164

