

LUP-14 Sewage Lakes Water Quality Comparison				
Analyte	Units	Licence Limit	CWQG-PAL*	Result
Field Conductivity	µs/cm			135
Field pH	pH	6.0 - 9.5		6.68
pH	pH	6.0 - 9.5		6.33
Hardness (as CaCO3)	mg/L			39.5
Total Suspended Solids	mg/L	35		< 3.0
Alkalinity, Total (as CaCO3)	mg/L			6.4
Ammonia, Total (as N)	mg/L		1.1	< 0.050
Biochemical Oxygen Demand	mg/L	30		< 2.0
Oil and Grease	mg/L	Visual Sheen		1.2
Nitrate and Nitrite (as N)	mg/L			< 0.054
Nitrate (as N)	mg/L		2.93	< 0.050
Nitrite (as N)	mg/L			< 0.020
Total Kjeldahl Nitrogen	mg/L			0.28
Total Nitrogen	mg/L			0.28
Orthophosphate-Dissolved (as P)	mg/L			< 0.010
Phosphorus (P)-Total	mg/L			0.038
Fecal Coliforms	cfu/100ml	1000		2
Aluminum (Al)-Total	mg/L		0.005 - 0.1	0.067
Antimony (Sb)-Total	mg/L			< 0.00040
Arsenic (As)-Total	mg/L	0.05	0.005	0.00625
Barium (Ba)-Total	mg/L			0.0071
Beryllium (Be)-Total	mg/L			< 0.0010
Boron (B)-Total	mg/L		1.5	< 0.050
Cadmium (Cd)-Total	mg/L		0.000017	< 0.000050
Calcium (Ca)-Total	mg/L			11.3
Chromium (Cr)-Total	mg/L		0.0001	< 0.0050
Cobalt (Co)-Total	mg/L			< 0.0020
Copper (Cu)-Total	mg/L	0.2	0.002	0.0014
Iron (Fe)-Total	mg/L		0.3	0.232
Lead (Pb)-Total	mg/L	0.05	0.001	< 0.00010
Lithium (Li)-Total	mg/L			0.01
Magnesium (Mg)-Total	mg/L			2.71
Manganese (Mn)-Total	mg/L			0.0401
Mercury (Hg)-Total	mg/L		0.000026	< 0.00010
Molybdenum (Mo)-Total	mg/L		0.073	< 0.0050
Nickel (Ni)-Total	mg/L	0.3	0.025	0.0055
Phosphorus-Total	mg/L			1.5
Selenium (Se)-Total	mg/L		0.001	< 0.00040
Silver (Ag)-Total	mg/L		0.0001	< 0.00010
Sodium (Na)-Total	mg/L			7.5
Thallium (Tl)-Total	mg/L		0.0008	< 0.00010
Tin (Sn)-Total	mg/L			< 0.050
Titanium (Ti)-Total	mg/L			< 0.0010
Uranium (U)-Total	mg/L		0.015	< 0.00010
Vanadium (V)-Total	mg/L			< 0.0010
Zinc (Zn)-Total	mg/L	0.5	0.03	< 0.0040

* CCME Canadian Water Quality Guidelines - Protection of Aquatic Life