

City of Saginaw

Code of Ordinances, Title 5, Chapter 51.26 Local Limits

Parameter (Abbreviation)	Non-Violation <u>Surcharge Limit</u> Surcharges will apply Over this Limit	Violation <u>Local Limit Daily Max</u> Over this limit is an enforceable violation	Unit
Biochemical Oxygen Demand (BOD ₅)	200	493	mg/L
Ammonia Nitrogen (NH ₃ N)	30	77	mg/L
Total Phosphorus (P)	4	7	mg/L
Total Suspended Solids (TSS)	350	1100	mg/L
Amenable Cyanide (CN ⁻)		0.473	mg/L
Fats, Oils and Grease (FOG)		100	mg/L
pH		6.0 to 10.5	S.U.
Temperature		120	Deg. F.
Metals			
Total Arsenic (As)		0.473	mg/L
Total Cadmium (Cd)		0.110	mg/L
Total Chromium (Cr)		2.770	mg/L
Total Copper (Cu)		1.184	mg/L
Total Mercury (Hg)		• 0.0002	mg/L
Total Nickel (Ni)		1.786	mg/L
Total Lead (Pb)		0.377	mg/L
Total Selenium (Se)		0.083	mg/L
Total Zinc (Zn)		1.162	mg/L
Organics			
Benzene		0.5	mg/L
Total BTEX		5	mg/L
Polychlorinated Biphenyls (PCBs)		• 0.2	µg/L

- The quantification level shall not exceed 0.0002 mg/L unless a higher level is appropriate due to matrix interference. Any discharge of mercury at or above the quantification level is a specific violation.
- The quantification level shall be 0.2 µg/L unless a higher level is appropriate due to matrix interference. Any discharge of total PCBs at or above the quantification level is a specific violation.

Surcharge Costs

Parameter	Surcharges
Biochemical Oxygen Demand (BOD ₅)	\$0.14 /lb
Ammonia Nitrogen (NH ₃ N)	\$0.41 /lb
Total Phosphorus (P)	\$1.02 /lb
Total Suspended Solids (TSS)	\$0.12 /lb

Surcharge Formula

Flow MGD* constant 8.34lbs/day * (Concentration result mg/L – surcharge limit mg/L)*

Surcharge Costs per lb * number of production days over the surcharge limit = Cost for the Surcharge per day