

City of Sidney
Local Limit Comparison

City of Sidney - Industrial Pretreatment Program
Technical Document - # 001 November 2021

Parameter	Daily Limit (mg/l)	Monthly Limit (mg/l)	Allocation Method
Cadmium	MO		N/A
Chromium	MO		N/A
Copper	3.43		CFUCL
Lead	MO		N/A
Nickel	2.66	0.61	CFUCL
Zinc	4.8 ¹	1.91	CFUCL / Mass Balance
Mercury	MO		PRP
Arsenic	MO		N/A
Silver	MO		N/A
Selenium	MO		N/A
Molybdenum	MO		PRP
Cyanide	MO		N/A
Chromium, Hex	MO		N/A
HEM (O&G)	100		CFUCL
pH (S.U.)	5.5 S.U. - 10.5 S.U.	N/A	N/A

Notes: 1. Mechanical Galv Plating will have 5.13 as daily and monthly limit so that monthly limit could be met without simultaneously violating the 4.8 mg/L daily limit.

CFUCL - Contributory Flow Uniform Concentration Limit. All contributors of this pollutant with concentrations higher than the established domestic concentrations were utilized to establish limits for this Pollutant of Concern (POC).

Pollutant Reduction Plans (PRP) - Contributors who discharge Molybdenum above 0.05mg/l and/or Mercury above 0.0003 mg/l may be required to eliminate or reduce the discharge of said pollutant as follows:

The City will require users:

1. To conduct an investigation to identify and quantify sources of the pollutant in their discharge.
2. To develop and implement a City-approved set of measures designed to reduce the discharge of the pollutant to the maximum extent practicable. Required measures may include (but are not limited to) pretreatment, recycling, substitution, waste minimization, source reduction, source elimination, spill prevention, and implementation of established best management practices.
3. To submit documentation or monitoring results to verify that their discharge of the pollutant has been eliminated or reduced as required by the City.

MO - Monitor Only requirements are to facilitate periodic local limit review.

Mass Balance - An allocation of the Maximum Allowable Headwork's Loading (MAHL) to controlled dischargers. Identified users are assigned a portion of the total allowable MAHL.

Mass Balance Calculations were applied to the Monthly limits for the following Industrial Users

American Trim, LLC	1.48 mg/L	Zinc
Honda of America - AEP	1.48 mg/L	Zinc
Scroll Compressor, LLC	1.48 mg/L	Zinc
Mechanical Galv Plating	5.13 mg/L	Zinc (Daily and monthly)
Shaffer Metal Fab	1.48 mg/l	Zinc

Signature:



Date: 6-7-22