

CITY OF AKRON

INDUSTRIAL PRETREATMENT PROGRAM

SUMMARY OF LOCAL LIMITATIONS

Ordinance No. 173-1991 amending and/or supplementing Title 5, Chapter 50, of the Code of Ordinances of the City of Akron, Ohio, 1985 to comply with the sewer use requirements of the United States Environmental Protection Agency was passed by Akron City Council on March 4, 1991 and approved by the Mayor on March 7, 1991.

Section 50.48(B) Akron requirements. No discharger shall discharge or cause to be discharged into the sewerage system, unless the discharger is defined as an SIU (Significant Industrial User) and issued a wastewater discharge permit by the City, which allows the discharge of such pollutants, and substances in concentration above the maximum background concentrations.

Average Background Concentrations

Based on domestic background sampling conducted through July 31, 2013

<u>Pollutant</u>	<u>Concentration (µg/L)</u>
Arsenic	5.0
Cadmium	0.48
Chromium	1.5
Copper	55
Lead	14
Mercury	0.050
Nickel	5.8
Zinc	236
Total Cyanide	10.2

Maximum Background Concentrations

Based on domestic background sampling conducted through July 31, 2013

<u>Pollutant</u>	<u>Concentration (µg/L)</u>
Arsenic	10.0 ¹
Cadmium	3.9
Chromium	3.4
Copper	350
Lead	114
Mercury	0.20
Nickel	22
Zinc	100
Total Cyanide	100

¹ Action Level

Section 50.48(C) Supplementary limitations. No SIU shall discharge wastewater concentrations and/or mass loadings to the POTW exceeding those limits specified in the discharger's permit issued by the City in accordance with Section 50.52

Section 50.48(D) The Service Director shall evaluate, and revise, as required permitted and background limits and report his findings to City Council at least annually. Permitted and background limits shall be re-evaluated when new or modified NPDES permit limits for effluents and/or sludges are adopted

SIU Local Limitations (Permit Limits)

Per report entitled "Local Limitations Technical Justification", dated March 2011 and approved by Ohio EPA on March 19, 2013 except for Cadmium, which was approved on May 28, 2013.

<u>Pollutant</u>	<u>Existing Source¹ Concentration* (mg/L)</u>	<u>New Source Concentration* (mg/L)</u>	<u>Permitted SIU Loading (lbs/d)</u>
Arsenic	---	0.070	0.00
Cadmium	0.50	0.09	0.186
Chromium	---	3.00	5.17
Copper	---	3.50	6.55
Lead	---	1.50	4.15
Mercury	---	BMP	0.00
Nickel	---	4.00	8.98
Zinc	---	3.50	32.5
Total Cyanide	---	0.49	4.64

* The actual permit concentration may be lower than permit limit shown due to pre-existing discharge conditions or available loadings for each pollutant.