

CITY OF GRAND JUNCTION, COLORADO

ORDINANCE NO. 4880

AN ORDINANCE AMENDING ORDINANCES 4640 AND 4574 RELATING TO CHAPTER 13, ARTICLE 4 OF THE GRAND JUNCTION MUNICIPAL CODE PERTAINING TO PRETREATMENT REGULATIONS

RECITALS:

The 2018 discharge permit required the City to perform an evaluation of the City's local limits for aluminum, arsenic, cadmium, chromium, copper, iron, lead, manganese, mercury, molybdenum, nickel, selenium, silver, zinc along with biochemical oxygen demand, total suspended solids, total dissolved solids, phosphorus and ammonia. The City performed the local limits evaluation, based on Outfall 002A which is the newly installed diffuser to the Colorado River; installation of the diffuser, among other things, increases the total amount of these metals that permitted Industrial Users may lawfully discharge.

The revised Uniform Concentration Based Local Limits for metals are subject to formal approval by the United States Environmental Protection Agency (USEPA.) The uniform concentration based Local Limits for Metals provided by this ordinance is subject to a 30-day federal public notice and public comment process. The USEPA has informally reviewed and approved the proposed Local Limits.

In compliance with the USEPA requirements, City staff has proposed the revisions relating to industrial pretreatment to the Grand Junction Municipal Code ("Code" or "GJMC") and now recommends that the City Council approve the proposed changes to the Code.

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF GRAND JUNCTION THAT:

Chapter 13 of the Code is amended as shown below.

13.04.370 Industrial pretreatment program – Prohibited discharges and limitations.

(a) General Discharge Prohibitions. An industrial user may not introduce into a POTW any pollutant(s) which cause(s) pass through or interference. These general prohibitions and the specific prohibitions in subsection (b) of this section apply to each industrial user, unless otherwise specified, introducing pollutants into a POTW whether or not the industrial user is subject to other pretreatment standards or requirements.

(b) Specific Prohibitions.

(1) Pollutants which create a fire or explosion hazard in the POTW, including, but not limited to, wastestreams with a closed cup flashpoint of less than 140 degrees Fahrenheit or 60 degrees Celsius using the test methods specified in 40 CFR Section 261.21. The City Manager may require industrial users with the potential to discharge flammable, combustible or explosive substances to install and maintain an approved combustible gas detection meter or explosion hazard meter. No two successive readings on an explosion hazard meter at the point of discharge shall be more than five percent, or any one reading more than 10 percent, of the lower explosive limit (LEL) of the meter.

(2) Pollutants which will cause corrosive structural damage to the POTW, but in no case discharges with pH lower than 5.0 S.U., unless the works is specifically designed to accommodate such discharges.

(3) Any solid or viscous pollutants in amounts which will cause obstruction to the flow in the POTW resulting in interference.

(4) Any pollutant, including oxygen demanding pollutants (BOD5, etc.) released in a discharge at a flow rate and/or pollutant concentration which will cause interference with the POTW.

(5) Heat in amounts which will inhibit biological activity in the POTW resulting in interference, but in no case heat in such quantities that the temperature at the POTW treatment plant exceeds 40 degrees Celsius (104°F) unless the EPA, upon request of the POTW, approves alternate temperature limits. No liquid or vapor having a temperature higher than 140 degrees Fahrenheit or exceeding any lower limit fixed by the City Manager to prevent odor nuisance shall be discharged.

(6) Petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass through.

(7) Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems.

(8) Any trucked or hauled pollutants, except at discharge points designated by the City. The discharge of any trucked or hauled waste originating outside of Mesa County is prohibited.

(9) The following nondomestic discharge limitations are established to protect sludge quality and prevent pass through and interference with the proper operation of the POTW. These limits are shown in maximum allowable concentrations:

(i) Benzene 50.0 µg/L

(ii) BTEX (aggregate parameter of benzene, ethyl benzene, toluene, and xylene) 750 µg/L

(iii) Fats, oil and grease (animal/vegetable) (HEM polar) 200 mg/L

(iv) Total petroleum hydrocarbons (SGT-HEM-non-polar) 50 mg/L

(10) Sludge or other material from sewage or industrial waste treatment plants or from water treatment plants, unless agreed to by the City Manager.

(11) Water accumulated in excavations or accumulated as the result of grading, water taken from the ground by well points or any other drainage associated with construction without prior approval by the City Manager.

(12) Bulk, expired, outdated or concentrated prescription or nonprescription drugs. Hazardous waste pharmaceuticals or DEA controlled substances to the POTW by a healthcare facility or reverse distributor pursuant to 40 CFR Section 266.505.

(13) Any waters or wastes containing grease or oil or other substances that will solidify or become discernibly viscous at temperatures between 32 degrees Fahrenheit and 150 degrees Fahrenheit.

(14) Any waters or wastes that contain concentrated dye waste or other waste that is either highly colored or could become highly colored by reacting with any other waste, and which is not removable in the POTW.

(15) Any waters or wastes that contain a corrosive, noxious or malodorous gas or substance which, either singly or by reaction with other wastes, is capable of causing damage to the system or to any part thereof, of creating a public nuisance or hazard, or of preventing entry into the sewers for maintenance and repair.

(16) Any radioactive wastes or isotopes of such half-life or concentration as may exceed limits established by the City Manager in compliance with applicable State or federal regulations.

(17) A slug discharge as defined in GJMC 13.04.360(a).

(18) Stormwater drainage from ground resulting in infiltration and inflow (I&I) through the industrial user's service line(s) or surface, roof drains, catch basins, unroofed area drains (e.g., commercial car washing facilities) or any other source unless otherwise approved by the City Manager. Specifically prohibited is the connection of roof downspouts, exterior foundation drains, areaway drains, or other sources of surface runoff or ground water to a building sewer or building drain which in turn is connected directly or indirectly to the City's wastewater collection system. No industrial user shall connect or discharge water from underground drains, sump pump discharges, natural springs and seeps, water accumulated in excavation or grading or any other water associated with construction activities.

(19) Any pollutant or discharge directly into a manhole or other opening in the POTW unless specifically authorized by the City Manager or as otherwise permitted under this code. Prohibited is the opening of a manhole or discharging into any opening in violation of this code.

(20) Liquid wastes from chemical toilets and trailers, campers or other recreational vehicles which have been collected and/or held in tanks or other containers shall not be discharged into the POTW except at locations authorized by the City to collect such wastes.

(21) No chemicals, materials, or substances, including but not limited to paints, solvents, boiler or water treatment chemicals, sludges, chemicals, or wastes shall be stored in proximity to a floor drain or other sewer openings. Containers shall be clearly labeled and stored in a place where the chemicals, materials, substances or wastes, in case of leakage or rupture of the container, cannot enter the wastewater collection system. The storage of any chemicals, materials, substances or wastes that leak or have potential to leak or discharge into the wastewater collection system which may create an explosion hazard or in any way have a deleterious effect to the POTW or constitute a nuisance or a hazard to POTW personnel, the general public, the environment, or the receiving stream shall be prohibited.

(22) Any water contaminated as a result of discharge from aboveground and/or underground gasoline, diesel fuels, fuel oil, kerosene, and jet fuel tanks, tank accessories, and/or pipelines without applying for and obtaining a permit prior to discharge.

(23) Any wastes containing detergents, surface-active agents, or other substances in concentrations which causes or may cause excessive foaming in the POTW or cause or contribute to interference or pass through.

(24) Any pollutant or wastewater containing pollutants with UV (254 nm) absorbing substances which causes or may cause interference with UV disinfection at the WWTP.

(25) Wastes that have been collected and/or held in a tank or other container and where such wastes fail to comply with any pretreatment standard or requirement.

(26) Discharge of nonylphenol from the use of bulk or concentrated nonylphenol containing detergents as employed by some industrial or commercial laundries, car washes or asphalt manufacturers or other industrial users.

(27) Discharge of any wastewater containing perchloroethylene (PCE) (also known as tetrachloroethene and tetrachloroethylene) from any industrial user involved in the dry cleaning business.

(c) Dilution is prohibited as a substitute for treatment; dilution when used or attempted as a substitution for treatment shall be a violation of this code. Except where expressly authorized to do so by an applicable pretreatment standard or requirement, no industrial user shall ever increase the use of process water or in any other way attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with a pretreatment standard or pretreatment requirement. The City may impose mass limitations on industrial users which are using dilution to meet applicable pretreatment standards or requirements or in other cases where the imposition of mass limitations is appropriate.

(d) Specific Discharge Limitations

No Significant Industrial User (SIU) or other designated non-SIU shall discharge or cause to be discharged, wastewater containing pollutants that exceed the following limits:

Pollutant

Daily Maximum Discharge Limits (1)

(mg/L as Total)

Arsenic 0.244

Cadmium 0.145

Chromium 4.12

Copper 4.10

Lead 0.89

Mercury 0.0075

Nickel 4.39

Selenium 0.16

Silver 0.432

Zinc 4.05

(1) Maximum Allowable Industrial Loading (MAIL). The City may implement local limits through allocation of the MAIL to SIUs and specific permitted non-SIUs that correspond to the uniform concentration local limits shown in the table above and are hereby incorporated by reference. The MAILs are shown in the document "Persigo Wastewater Treatment Facility, Grand Junction, CO Local Limits" dated July 24, 2019.

(e) Surcharge. Industrial users that discharge wastewater the exceeds normal domestic strength wastewater as defined in GJMC 13.04.010 may be surcharged in accordance with adopted surcharge rates for flow, BOD5 and/or TSS (see GJMC 13.04.250). In no case shall a surcharge be allowed that causes a violation of the general or specific prohibitions or an industrial discharge permit, results in a mass-based local limit to be exceeded, causes the WWTP hydraulic or treatment capacity to be exceeded or results in a violation of a categorical pretreatment standard.

(f) All industrial users subject to a categorical pretreatment standard shall comply with all requirements of such standard, and shall also comply with any limitations contained in this code. Where the same pollutant is limited by more than one pretreatment standard, the limitations which are more stringent shall prevail. Compliance with categorical pretreatment standards shall be in the timeframe specified in the applicable categorical pretreatment standard.

(g) The City may establish more stringent pollutant limits, additional site-specific pollutant limits, best management practices, and/or additional pretreatment requirements when, in the judgment of the City, such limitations are necessary to implement the provisions of this code.

(h) Promulgation of Standards.

(1) Upon the promulgation of the federal categorical pretreatment standard for a particular industrial subcategory, the federal standard, if more stringent than limitations imposed by this code for sources in that subcategory, shall immediately supersede the limitations imposed by this code as required by the applicable categorical pretreatment standard.

(2) State requirements and limitations on discharges shall apply in any case where they are more stringent than federal pretreatment standard and pretreatment requirements or those in this code.

The remainder of Chapter 13, not specifically amended herein, shall remain in full force and effect.

INTRODUCED on this first reading and authorized for publication in pamphlet form this 18th day of September 2019.

ADOPTED on second reading the 6th day of November, 2019 and ordered published in pamphlet form.



Rick Taggart
President of the Council

ATTEST:



Wanda Winkelmann
City Clerk



I HEREBY CERTIFY THAT the foregoing Ordinance, being Ordinance No. 4880 was introduced by the City Council of the City of Grand Junction, Colorado at a regular meeting of said body held on the 18th day of September, 2019 and the same was published in The Daily Sentinel, a newspaper published and in general circulation in said City, in pamphlet form, at least ten days before its final passage.

I FURTHER CERTIFY THAT a Public Hearing was held on the 6th day of November, 2019, at which Ordinance No. 4880 was read, considered, adopted and ordered published in pamphlet form by the Grand Junction City Council.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of said City this 8th day of November, 2019.



Deputy City Clerk

Published: September 20, 2019
Published: November 08, 2019
Effective: December 08, 2019