

**CITY OF MUSCATINE
ORDINANCE 2026-0240**

**ORDINANCE AMENDING TITLE 13, SECTION 6 OF THE MUSCATINE, IOWA,
CITY CODE REGARDING PROHIBITED DISCHARGE STANDARDS AND
SPECIFIC POLLUTANT LIMITATIONS FOR THE WATER POLLUTION
CONTROL PLANT**

WHEREAS, the City of Muscatine owns and operates the Muscatine Water Pollution Control Plant (WPCP) and a publicly owned treatment works (POTW) collection system to protect public health and the environment; and

WHEREAS, the City is required by its National Pollutant Discharge Elimination System (NPDES) permit and federal General Pretreatment Regulations under 40 CFR Part 403 to establish and enforce local controls over industrial and non-domestic discharges; and

WHEREAS, Title 13, Section 6 of the Muscatine City Code sets forth the Sewer Use Regulations, including Prohibited Discharge Standards and Specific Pollutant Limitations to protect the operations of the treatment plant, minimize pollutant pass-through, and prevent interference; and

WHEREAS, the Water Pollution Control Plant staff have reviewed current discharge characteristics and federal categorical pretreatment standards to ensure local limitations remain technically supported and protective of the receiving waters; and

WHEREAS, updating the prohibited discharge standards and local specific pollutant limits is necessary to preserve the quality of the wastewater treatment plant sludge, thereby allowing its safe use, reclamation, or disposal in compliance with applicable state and federal statutes; and

WHEREAS, the City Council of Muscatine finds that updating these regulatory parameters serves the best interest of the community, protects public infrastructure, and ensures continued compliance with regulatory agencies.

NOW THEREFORE, be it ordained by the City Council of the City of Muscatine, in the State of Iowa, as follows:

SECTION 1: **AMENDMENT** “13-6-2.3 Prohibited Discharge Standards” of the Muscatine Municipal Code is hereby *amended* as follows:

A M E N D M E N T

13-6-2.3 Prohibited Discharge Standards

No user shall introduce or cause to be introduced either directly or indirectly into the POTW any pollutant or wastewater which will interfere with the operation or performance or cause pass through or interfere with the POTW. These prohibitions, both general and specific, apply to all users of the POTW whether or not they are subject to categorical pretreatment standards or any other National, State or local pretreatment standard or requirement. Furthermore, no user may contribute the following substances to the POTW:

- A. Pollutants which create a fire or explosive hazard in the municipal wastewater collection and POTW, including, but not limited to, waste streams with a closed-cup flashpoint of less than 140 degrees F (60 degrees C) using the test methods specified in 40 CFR 261.21. Prohibited materials include, but are not limited to, gasoline, kerosene, and other flammable or explosive fuels.
- B. Any wastewater having a pH less than 5.0 or more than ~~11~~^{9.5}, or otherwise causing corrosive damage to the POTW or equipment, or endangering City personnel.
- C. Solid or viscous substances which may cause obstruction of the flow in the POTW resulting in interference, but in no case solids greater than one-half inch (1/2") in any dimension. Included, but not limited to, bones, hide or fleshings, entrails, feathers, ashes, sand, spent lime, metal, glass, straw, shavings, grass clippings, diapers, rags, spent grains, wastepaper, wood, plastics, tar, asphalt, grease, or garbage.
- D. Any wastewater containing pollutants, including oxygen demanding pollutants (BOD, etc.), released in a discharge at a flow rate and/or pollutant concentration which, either singly or by interaction with other pollutants, will cause interference with either the POTW; or any wastewater treatment or sludge process, or which will constitute a hazard to humans or animals.
- E. Any wastewater having a temperature greater than 150 degrees F (65.6 degrees C), or which will inhibit biological activity in the treatment plant resulting in interference, but in no case wastewater which causes the temperature at the introduction into the treatment plant to exceed 88 degrees F (31 degrees C).
- F. Petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin, in amounts that will cause interference or pass through.
- G. Any 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.
- H. Any trucked or hauled pollutants, except at discharge points designated by the City in accordance with Section 13-6-3.6.
- I. Any noxious or malodorous liquids, gases, solids, or other wastewater which, either singly or by interaction with other wastes, are sufficient to create a public nuisance, a hazard to life, or to prevent entry into the sewers for maintenance and repair.
- J. Any wastewater containing any radioactive wastes or isotopes except as specifically approved by the Director in compliance with applicable State or Federal regulations.
- K. Storm water, surface water, ground water, artesian well water, roof runoff, interior and exterior foundation drains, subsurface drainage, swimming pool drainage, condensate, deionized water, noncontact cooling water, and unpolluted industrial wastewater, unless specifically authorized by the Director.
- L. Any sludges, screenings, or other residues from the pretreatment of industrial wastes.
- M. Any medical wastes, except as specifically authorized by the Director in a wastewater

discharge permit.

- N. Any wastewater with objectionable color not removed in the treatment process, such as, but not limited to, dye wastes and vegetable tanning solutions.
- O. Any wastes containing detergents, surface active agents, or other substances which may cause excessive foaming in the POTW.
- P. Any wastewater causing the treatment plant's effluent to fail an effluent toxicity test, violate its NPDES permit or the receiving stream water quality standards.
- Q. Any discharge of fats, oil, or grease of animal or vegetable origin is limited to 100 mg/L.
- R. Any discharge of waste that interferes with the UV disinfection system which absorbs light or will cause interference with the transmittance of light at 254nm.

Wastes prohibited by this Section shall not be stored or processed in such a manner that they could be discharged to the POTW. All floor drains located in such process or material storage areas must discharge to the user's pretreatment facility before connecting to the POTW. When it is determined that a user or users are contributing to the POTW, any of the above listed substances in amounts to interfere with the proper operation of the POTW, the Director shall: 1) advise the user(s) of the impact on the POTW; and 2) develop a limitation for the user(s) to correct the interference on the POTW; or 3) proceed with remedies contained in Sections 13-6-10.0 through 13-6-12.0.

SECTION 2: **AMENDMENT** "13-6-2.6 Specific Pollutant Limitations" of the Muscatine Municipal Code is hereby *amended* as follows:

AMENDMENT

13-6-2.6 Specific Pollutant Limitations

Specific local limitations will be established by resolution and published per Section 362.3 of the Iowa Code. These local limits shall be periodically reviewed for any substance which would cause the POTW to be in noncompliance of the requirements of its NPDES permit, the receiving streams water quality standards, Federal or State sludge regulations, the City's Biosolids Recycle Program, the City's Pretreatment Program, or any other local, State or Federal regulations. Current limitations are hereby established as a composite loading of all users contributing the following specific pollutants to the POTW:

- A. Not to exceed the following 30 day average mass loading in the influent to the POTW:

CBOD	21,500 lbs/day
TSS	13,700 lbs/day
TKN	1,670 lbs/day

E. Coli	~~126 MPN/100ml Geometric Mean~~ <u>126 MPN/100ml Geometric Mean</u>
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B. Not to exceed the following respective loadings in the influent to the POTW:

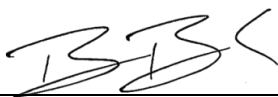
Arsenic	~~1.84~~ <u>1.63</u> lbs/day
Cadmium	~~1.36~~ <u>1.45</u> lbs/day
Chromium	~~16.33~~ <u>41.9</u> lbs/day
Copper	~~11.12~~ <u>21.3</u> lbs/day
Lead	~~4.61~~ <u>9.99</u> lbs/day
Mercury	~~0.38~~ <u>0.73</u> lbs/day
Molybdenum	~~0.66~~ <u>1.72</u> lbs/day
Nickel	~~4.27~~ <u>10.9</u> lbs/day
Selenium	~~8.60~~ <u>2.29</u> lbs/day
Zinc	~~40.0~~ <u>58.8</u> lbs/day
Silver	~~3.61~~ <u>7.95</u> lbs/day
Cyanide	~~1.21~~ <u>2.66</u> lbs/day
~~Phenol~~	~~599 lbs/day~~

C. Any specific local pollutant limitation, including allocations contained in a wastewater discharge permit, may be adjusted by the Director as necessary to meet current composite loading limits or such composite loading limits that may become necessary as a result of changes in Federal, State or local regulation or POTW capacity.

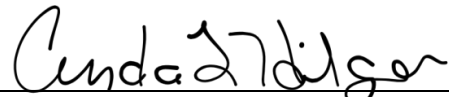
PASSED AND ADOPTED BY THE CITY OF MUSCATINE CITY COUNCIL AUGUST 04, 2026.

Presiding Officer

Attest



Dr. Brad Bark, Mayor, City of
Muscatine



Cinda Hilger, City Clerk, City of
Muscatine

