

**City of Wentzville
Wastewater Division
Individual Wastewater Discharge Permit**

Wentzville Missouri[®]

Permit No.: COW-007

Effective Date: July 30, 2024

Expiration Date: June 30, 2029

Renewal Application Due Date: December 01, 2028

**Issued To: Missouri Metals LLC
555 Edinger Road
Wentzville, MO 63385**

SIC Number(s): 3479, 3728

Total Number of Permitted Discharge Points: 2

Sampling Point Reference Number(s): COW-MM-001, COW-MM-CP-01

In accordance with the provisions of the Federal Pretreatment Regulations 40 CFR 403 and Chapters 715 and 720 of the City of Wentzville, Missouri Code of Ordinances, the permittee is hereby authorized to discharge wastewater into the City of Wentzville's sanitary sewer system. All discharges so authorized shall be limited and controlled pursuant to the terms and conditions of this permit.

Noncompliance with any term or condition of this permit shall constitute an ordinance violation. If formal enforcement action is required to gain compliance, the permittee who is found guilty of a violation shall be subject to fine or imprisonment, or both such fine and imprisonment, for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

Compliance with the terms and conditions of this permit does not relieve the permittee of the obligation to comply with all other applicable pretreatment regulations, standards, or requirements under local, State and Federal laws, including any such regulation, standard, legal requirement, or law that may become effective during the life of this permit.

This permit only authorizes wastewater discharges identified herein. It does not apply to any other discharge.

City of Wentzville



Ryan Peasel
Wastewater Systems Superintendent

Susan Spiegel

Digitally signed by Susan Spiegel
Date: 2024.07.18 12:36:04-05'00'

Susan Spiegel
Director of Public Works

WENTZVILLE IS A COMMUNITY OF NEIGHBORS WORKING TOGETHER TO BUILD A BETTER FUTURE.

1001 Schroeder Creek Blvd. \ Wentzville, MO 63385 \ (636) 327-5101

www.wentzvillemo.gov

Discharge Limitations

Sampling Point Reference Number: COW-MM-001

Sampling Point Location: MH# S2 in greenspace W of main entrance - Flow from E to NW

Average Wastewater Flow (GPD): 18,555

Wastewater Source and Category: Sanitary + Categorical (from COW-MM-CP-01) + Non-Categorical Process Waste (water jet cutter) + Freezer and Compressor Condensation

Discharge Limitations and Self Monitoring Requirements

Parameter	Limit*	Limit Type**	Sampling Frequency
Flow (GPD)	***	Daily Average	***
pH (S.U.)	5	Instant	Once/3 mo
pH (S.U.)	10.5	Instant	Once/3 mo
Temperature (°F)	104	Instant	Once/3 mo
HEM, Polar (Oil & Grease)(mg/L)	100	Instant	Once/3 mo
Biochemical Oxygen Demand (mg/L)	****	****	Once/3 mo
Chemical Oxygen Demand (mg/L)****	900	Monthly Average	Once/3 mo
Total Suspended Solids (mg/L)****	800	Monthly Average	Once/3 mo
Ammonia-N (mg/L)****	50	Monthly Average	Once/3 mo
Arsenic (mg/L)	0.05	Monthly Average	Once/3 mo
Cadmium (mg/L)	0.18	Monthly Average	Once/3 mo
Chromium (mg/L)	1.2	Monthly Average	Once/3 mo
Copper (mg/L)	0.23	Monthly Average	Once/3 mo
Cyanide (mg/L)	0.045	Monthly Average	Once/3 mo
Lead (mg/L)	0.090	Monthly Average	Once/3 mo
Molybdenum (mg/L)	0.063	Monthly Average	Once/3 mo
Nickel (mg/L)	0.33	Monthly Average	Once/3 mo
Selenium (mg/L)	0.025	Monthly Average	Once/3 mo
Silver (mg/L)	0.25	Monthly Average	Once/3 mo
Zinc (mg/L)	2.9	Monthly Average	Once/3 mo

* Limits are based on Chapter 720 of the City of Wentzville Code of Ordinances and applicable federal categorical standards.

** See Section I.A.2 of the permit conditions.

*** Report a measured or estimated average daily flow for each day of operation during the reporting period.

**** See Section I.A.10 of the permit conditions.

Discharge Limitations

Sampling Point Reference Number: COW-MM-CP-01

Sampling Point Location: Tee in pipe from PT tank, next to floor drain by S wall of production floor

Average Wastewater Flow (GPD): 17,280

Wastewater Source and Category: Categorical (433 Sub A PSNS)

Discharge Limitations and Self Monitoring Requirements

Parameter	Limit*	Limit Type**	Sampling Frequency
Cadmium (mg/L)	0.07	Monthly Average	Once/6 mo
Cadmium (mg/L)	0.11	Daily Max	Once/6 mo
Chromium (mg/L)	1.71	Monthly Average	Once/6 mo
Chromium (mg/L)	2.77	Daily Max	Once/6 mo
Copper (mg/L)	2.07	Monthly Average	Once/6 mo
Copper (mg/L)	3.38	Daily Max	Once/6 mo
Cyanide (mg/L)	0.65	Monthly Average	Once/6 mo
Cyanide (mg/L)	1.20	Daily Max	Once/6 mo
Flow (GPD)	***	Daily Average	***
Lead (mg/L)	0.43	Monthly Average	Once/6 mo
Lead (mg/L)	0.69	Daily Max	Once/6 mo
Nickel (mg/L)	2.38	Monthly Average	Once/6 mo
Nickel (mg/L)	3.98	Daily Max	Once/6 mo
Silver (mg/L)	0.24	Monthly Average	Once/6 mo
Silver (mg/L)	0.43	Daily Max	Once/6 mo
TTO(mg/L)	2.13	Daily Max	Once/6 mo
Zinc (mg/L)	1.48	Monthly Average	Once/6 mo
Zinc (mg/L)	2.61	Daily Max	Once/6 mo

* Limits are based on Chapter 720 of the City of Wentzville Code of Ordinances and applicable federal categorical standards.

** See Section I.A.2 of the permit conditions.

*** Report a measured or estimated average daily flow for each day of operation during the reporting period.

Permit Conditions

Section I - General Conditions:

A. Monitoring and Reporting Requirements:

1. From the effective date of this permit, the permittee shall sample and analyze the discharge, at each of the identified sampling points. the pollutants to be monitored, the limitations, limitation types and minimum sampling frequencies are specified individually for each sampling point. The results of sample analyses and the results of all other self-monitoring activities specified in this permit shall be reported to the City of Wentzville as per paragraph A.9 below.
2. The limitation types, which may be specified in this permit, are defined as follows:

An **INSTANT** limitation is the maximum allowable concentration or mass of the pollutant in a grab sample for all pollutants except pH and temperature. For pH, the INSTANT limitations are the minimum and maximum allowable instantaneous pH values in standard units. For temperature, the INSTANT limitation is the maximum allowable instantaneous temperature in degrees Fahrenheit.

A **DAILY AVERAGE** limitation is the maximum allowable concentration or mass of the pollutant in a composite sample collected within a 24-hour period.

A **DAILY MAX** limitation is the maximum allowable concentration or mass of the pollutant in any sample collected within a 24-hour period.

A **MONTHLY AVERAGE** limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in all daily samples collected within a calendar month.

Note: A daily sample is any sample collected within a 24-hour period.

3. Unless specified otherwise in Section II of these conditions all samples collected to satisfy the monitoring and reporting requirements of this permit, shall be of the following types:
 - a. Temperature and pH, when required, **shall be taken on-site at the points of discharge** and those measurements reported as grab sample results except, if continuous monitoring is employed for pH and/or temperature, reporting shall be as per paragraph A.7 below.
 - b. For HEM (oil & grease), total phenols, cyanide, sulfide and volatile organics, when required, samples shall be **GRAB SAMPLES**.
 - c. For all other pollutants, samples shall be **COMPOSITE SAMPLES** made up by combining a minimum of four individual grab samples within a 24-hour period. The individual grabs must be adequately flow or time proportioned to ensure a composite sample that is representative of that day's discharge.
4. When monitoring is required for Total Toxic Organics (TTO), the TTO result shall be determined by summing all quantifiable values greater than 0.01 mg/L for the applicable toxic organics.

- a. For a discharge subject to a categorical pretreatment standard the applicable toxic organics are listed in the standard (40 CFR 433). A list of applicable toxic organics has been provided as an attachment for clarity.
- b. For all other discharges the applicable toxic organics are all of those, from the list in 40 CFR 401.15, which are or may be present in the discharge.

In addition to reporting the summed TTO result, the permittee shall include, with the self-monitoring report, the analytical value obtained for each toxic organic analyzed.

5. Sampling of all discharges shall be conducted in such a manner as to ensure that the results of individual samples (whether grab or composite) are representative of normal operations and that the results of all samples during the reporting period are representative of the conditions during the reporting period.
6. All sampling and analyses performed to satisfy the monitoring and reporting requirements of this permit shall be performed in accordance with the techniques prescribed in 40 CFR 136.
7. If the permittee monitors any of the listed pollutants, using the methods specified in this permit, more often than required by this permit, the results of all such additional monitoring and any additional flow measurements shall be included in the self-monitoring reports.
8. A self-monitoring report (on forms supplied or approved by authorized personnel of the City of Wentzville) shall be submitted to the City of Wentzville's Wastewater Division for each calendar quarter. Each report shall include:
 - a. All facility and sample description information required on the City's form.
 - b. All analytical results, with dates and times, for all analyzed samples collected within the quarter.
 - c. Daily flows, with dates for all measurements or estimates made within the quarter.
 - d. Any certification statements required pursuant to the Special Conditions in Section II.
 - e. Any other data or attachments required pursuant to the Special Conditions in Section II.Each self-monitoring report shall be certified and signed by an individual authorized in accordance with the provisions of section 720.200 of the City of Wentzville Code of Ordinances. All reports shall be submitted to the City as soon as possible after all required data is available, but no later than 28 days after the end of each quarter.

<u>For the calendar quarter of:</u>	<u>The report must be postmarked no later than:</u>
January 1 through March 31	April 28
April 1 through June 30	July 28
July 1 through September 30	October 28
October 1 through December 31	January 28

A report must be submitted for each calendar quarter even if, for any reason, sampling was not required or was not performed during the quarter. **The first report under this permit is due by October 28, 2024. For non-quarterly self-monitoring requirements, the permit year commences on July 1, 2024. All self-monitoring requirements must be monitored and reported within the first 90 days after discharges commence.**

9. If any sampling performed by the permittee, using the methods specified in this permit, indicates a violation of any permit limitation, the permittee shall notify authorized personnel of the City of Wentzville within twenty-four (24) hours of becoming aware of the violation. The permittee shall resample the discharge and shall submit the results of the resampling within thirty (30) days of becoming aware of the violation.
10. Unless specified elsewhere in this permit, discharges of Biochemical Oxygen Demand (BOD) are not limited under the terms of this permit. However, the monitoring values reported will be used by the City to assess the applicability of high-strength surcharges under the provisions of section 715.020 of the City of Wentzville Code of Ordinances. High-strength surcharges may be applicable when measured values exceed 300 mg/L for BOD. In addition, although discharges of Chemical Oxygen Demand (COD), Total Suspended Solids (TSS), and Ammonia-N are limited under this permit, the City may assess the applicability of high-strength surcharges for these parameters under the provisions of 715.020. High-strength surcharges may be applicable when measured values exceed 240 mg/L for TSS and 25 mg/L for Ammonia-N. If the COD to BOD ratio is greater than three, the city may choose to surcharge for COD in lieu of BOD. A minimum COD strength may not apply. Violations and high-strength surcharges shall be enforced simultaneously when applicable.

B. Change In Discharge:

1. The permittee shall not significantly increase the average daily volume, or flow rate of discharge or add any significant new pollutants or significantly increase the discharge of existing pollutants set forth in this permit without first having secured an amendment to the permit unless permit conditions authorize such increase or additions without an amendment.
2. The permittee shall notify authorized personnel of City of Wentzville of any proposed significant changes to the permittee's operations or system which might alter the nature, quality or volume of its wastewater under the provisions of section 720.330 of the City of Wentzville Code of Ordinances. The permittee shall make the notification at least thirty (30) days prior to the change.

C. Problem Discharge:

1. Pursuant to Section 720.340 of the City of Wentzville Code of Ordinances, in the case of any discharge, including but not limited to, accidental discharges, discharges of non routine, episodic nature, a non customary batch discharge, a slug discharge or slug load, that might cause potential problems for the POTW, the permittee shall immediately telephone and notify authorized personnel of City of Wentzville of the incident. This notification shall include the location of the discharge, type of waste, concentration and volume, if known, and corrective actions taken by the user.
2. A notice shall be permanently posted on the permittee's bulletin board or other prominent place advising employees who to call in the event of a discharge described in subsection 1 of this section. Employers shall ensure that all employees, who could cause such a discharge to occur, are advised of the emergency notification procedure.

3. Slug Discharge Control: The permittee shall develop, submit for approval, and implement a slug discharge control plan if required by authorized personnel of the City of Wentzville pursuant to section 720.130 of the City of Wentzville Code of Ordinances.
4. The discharge of hazardous waste is prohibited under section 720.370 of the City of Wentzville Code of Ordinances.

D. Bypass:

The permittee may not bypass any portion of its pretreatment facilities except as permitted by section 720.620 City of Wentzville Code of Ordinances.

E. Permit Revocation:

This permit may be revoked for good cause, including but not limited to, the following causes:

- a. A violation of any term or condition of this permit.
- b. A misrepresentation or failure to fully disclose all relevant facts in obtaining this permit.

F. Permit Termination or Modification:

This permit may be modified for good cause, including but not limited to, the following reasons:

- a. To incorporate any new or revised federal, state, or local pretreatment standards or requirements;
- b. To address significant alterations or additions to the user's operation, processes, or wastewater volume or character since the time of the individual wastewater discharge permit issuance;
- c. A change in the POTW that requires either a temporary or permanent reduction or elimination of the authorized discharge;
- d. Information indicating that the permitted discharge poses a threat to the City's POTW, city personnel, or the receiving waters;
- e. Violation of any terms or conditions of the individual wastewater discharge permit;
- f. Misrepresentations or failure to fully disclose all relevant facts in the wastewater discharge permit application or in any required reporting;
- g. Revision of or a grant of variance from categorical pretreatment standards pursuant to 40 CFR 403.13;
- h. To correct typographical or other errors in the individual wastewater discharge permit; or
- i. To reflect a transfer of the facility ownership or operation to a new owner or operator where requested in accordance with section I.H of this permit.

G. Permit Renewal:

The permittee shall apply for renewal of this permit at least one hundred eighty (180) days prior to the expiration date contained herein.

H. Permit Transfer:

This individual wastewater discharge permit is non-transferable without prior notification to and approval by authorized personnel of the City of Wentzville as required by section 720.250 of the City of Wentzville Code of Ordinances. The new owner or operator must be furnished with a copy of the existing individual wastewater discharge permit pursuant to Section 720.230(1)b.

I. Right of Entry:

In order to ensure compliance with the provisions of this permit, City of Wentzville Code of Ordinances and applicable State and Federal regulations, authorized City of Wentzville employees may inspect a permittee's treatment, pretreatment or discharge control facilities, or any process or any area of the permittee's premise which may be a source of any discharge or a source of any pollutants contained in any discharge into the City of Wentzville's wastewater system; conduct sampling of such facilities, processes, or areas; and examine a copy of any permittee's records related to such discharges. Any authorized employee of the City of Wentzville, upon presentation of proper credentials and after execution of appropriate confidentiality agreements, shall be permitted access to the appropriate areas of the permittee's premises without prior notice for these purposes.

J. Records Retention:

The permittee shall retain and preserve, for not less than three (3) years, all records, books, documents, memoranda, reports, sample analysis results, correspondence of any and all summaries thereof relating to the monitoring, sampling and chemical analyses of the permittee's discharge made by or on the permittee's behalf.

K. Definitions:

Unless context specifically indicates otherwise, the meaning of terms used in this permit shall be as defined in section 720.010 of the City of Wentzville Code of Ordinances.

L. Sewer Use Ordinance:

The permittee is subject to all provisions of Chapter 720 of the City of Wentzville Code of Ordinances.

M. Notification and Reporting:

1. All notifications and reports required by this permit shall be directed to:

Attn: Ryan Peasel
City of Wentzville
Wastewater Division
2455 Mette Road
Wentzville, Missouri 63385

2. Emergency and/or violation notification may be made 24-hours a day, 7 days a week by calling (314) 220-2081.
3. During normal business hours, notification may be made by calling the Wastewater Superintendent at (636) 639-7541 or the Wastewater Pretreatment and Data Management Technician at (636) 278-0600.

Section II - Special Conditions:

These Special Conditions may supplement and/or amend the standard terms of this permit or the General Conditions in Section I. Where there is any perceived conflict between a Special Condition and either the standard permit terms or the General conditions of Section I, the Special Condition shall govern.

A. Special Certification and Reporting Requirements

1. Certification In Lieu of TTO at Categorical Sampling Point

In lieu of sampling and analyzing for Total toxic Organics (TTO) at sampling point **COW-MM-CP-01**, the permittee may certify on each self-monitoring report that no dumping of concentrated toxic organics has occurred since filing the last report and that the facility is implementing the toxic organic management plan submitted to the City of Wentzville.

2. Certification Requirement for Sample Point with less than Quarterly Sampling Frequency

At sampling point **COW-MM-CP-01**, permittee is required to sample the discharge only once per six (6) months. For the quarters in which no sampling is performed, the permittee shall certify on the quarterly self-monitoring report that there has been no change in the character of the wastes discharged at sampling point **COW-MM-CP-01**, since the last report.

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Attachment 1

List of Total Toxic Organics Provided by 40 CFR 433.11

- Acenaphthene
- Acrolein
- Acrylonitrile
- Benzene
- Benzidine
- Carbon tetrachloride (tetrachloromethane)
- Chlorobenzene
- 1,2,4-Trichlorobenzene
- Hexachlorobenzene
- 1,2-Dichloroethane
- 1,1,1-Trichloroethane
- Hexachloroethane
- 1,1-Dichloroethane
- 1,1,2-Trichloroethane
- 1,1,2,2-Tetrachloroethane
- Chloroethane
- Bis (2-chloroethyl) ether
- 2-Chloroethyl vinyl ether (mixed)
- 2-Chloronaphthalene
- 2,4,6-Trichlorophenol
- Parachlorometa cresol
- Chloroform (trichloromethane)
- 2-Chlorophenol
- 1,2-Dichlorobenzene
- 1,3-Dichlorobenzene
- 1,4-Dichlorobenzene
- 3,3-Dichlorobenzidine
- 1,1-Dichloroethylene
- 1,2-Trans-dichloroethylene
- 2,4-Dichlorophenol
- 1,2-Dichloropropane
- 1,3-Dichloropropylene (1,3-dichloropropene)
- 2,4-Dimethylphenol
- 2,4-Dinitrotoluene
- 2,6-Dinitrotoluene
- 1,2-Diphenylhydrazine
- Ethylbenzene
- Fluoranthene
- 4-Chlorophenyl phenyl ether
- 4-Bromophenyl phenyl ether
- Bis (2-chloroisopropyl) ether
- Bis (2-chloroethoxy) methane
- Methylene chloride (dichloromethane)
- Methyl chloride (chloromethane)
- Methyl bromide (bromomethane)
- Bromoform (tribromomethane)
- Dichlorobromomethane
- Chlorodibromomethane
- Hexachlorobutadiene
- Hexachlorocyclopentadiene
- Isophorone
- Naphthalene
- Nitrobenzene
- 2-Nitrophenol
- 4-Nitrophenol
- 2,4-Dinitrophenol
- 4,6-Dinitro-o-cresol
- N-nitrosodimethylamine
- N-nitrosodiphenylamine
- N-nitrosodi-n-propylamine
- Pentachlorophenol
- Phenol
- Bis (2-ethylhexyl) phthalate
- Butyl benzyl phthalate
- Di-n-butyl phthalate
- Di-n-octyl phthalate
- Diethyl phthalate
- Dimethyl phthalate
- 1,2-Benzanthracene
- (benzo(a)anthracene)
- Benzo(a)pyrene (3,4-benzopyrene)
- 3,4-Benzofluoranthene (benzo(b)fluoranthene)
- 11,12-Benzofluoranthene (benzo(k)fluoranthene)
- Chrysene
- Acenaphthylene
- Anthracene
- 1,12-Benzoperylene (benzo(ghi)perylene)
- Fluorene
- Phenanthrene
- 1,2,5,6-Dibenzanthracene (dibenzo(a,h)anthracene)
- Indeno(1,2,3-cd) pyrene (2,3-o-phenylene pyrene)
- Pyrene
- Tetrachloroethylene
- Toluene
- Trichloroethylene
- Vinyl chloride (chloroethylene)
- Aldrin
- Dieldrin
- Chlordane (technical mixture and metabolites)
- 4,4-DDT
- 4,4-DDE (p,p-DDX)
- 4,4-DDD (p,p-TDE)
- Alpha-endosulfan
- Beta-endosulfan
- Endosulfan sulfate
- Endrin
- Endrin aldehyde
- Heptachlor
- Heptachlor epoxide
- (BHC-hexachloro-cyclohexane)
- Alpha-BHC
- Beta-BHC
- Gamma-BHC
- Delta-BHC
- (PCB-polychlorinated biphenyls)
- PCB-1242 (Arochlor 1242)
- PCB-1254 (Arochlor 1254)
- PCB-1221 (Arochlor 1221)
- PCB-1232 (Arochlor 1232)
- PCB-1248 (Arochlor 1248)
- PCB-1260 (Arochlor 1260)
- PCB-1016 (Arochlor 1016)
- Toxaphene
- 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)