

Pretreatment Program: Waste Acceptance Overview

Commission Meeting
June 16, 2022



Introduction



Pretreatment and Waste Acceptance

- Domestic wastewater
- Non-domestic wastewater
 - Industrial pretreatment permits
 - CIU/SIU
 - 18 existing, 5 in-progress industrial permits
 - Non-permitted approvals.



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Outline

- Objectives and priorities
- Types of requests
- Evaluation process
 - Information gathering
 - Review of request
 - Emerging contaminants
 - Determination/outcome.



Objectives and Priorities

- Serve our community
- Ensure permit compliance
- Protect human health and safety
- Safeguard plant from interference or upset
- Prevent passthrough.



Types of Requests

- One-time / short term
 - Project waste
 - Accident or spill
 - Construction dewatering
- Ongoing / long term
 - Business process waste
- Hauled via truck / discharged directly.



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Information Gathering

Due to receiving higher volume of requests during the construction season, please plan ahead to submit the form at least two weeks prior to the start date of the discharge.

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TO BE COMPLETED BY PROPERTY OWNERS AND CONSULTANTS SEEKING TEMPORARY DISCHARGE APPROVAL FOR LIGHTLY CONTAMINATED WASTEWATER TO THE SANITARY SEWER SYSTEM

NON-TYPICAL WASTEWATER REQUEST TO DISCHARGE FORM (NTRDF)

A. TO BE COMPLETED BY OWNER OR REPRESENTATIVE

1. Site Description: _____
 - a. Street Address: _____
 - b. City, State, Zip: _____
2. Mailing Address:
 - a. Street or P.O. Box: _____
 - b. City, State, Zip: _____
3. Wastewater type, quality, and quantity:

4. Date when discharge will begin: Date when discharge will end:
5. Reason for filing request:
 Contingency planning
 Construction activities on-going or soon to begin
 Emergency response
Other (describe): _____
6. Describe process(es) that will result in the discharge of wastewater: _____

7. List all chemicals/pollutants that might be present in your proposed discharge: _____

8. Describe discharge point and any wastewater pretreatment methods and facilities to be used:

B. REQUESTOR MAY ADD OR ATTACH DIAGRAMS, DATA, & COMMENTS:

C. CONTACT AND SIGNATORY INFORMATION

1. Name, title, and contact info of person completing this form:
 - a. Name: _____
 - b. Title: _____
 - c. Tel Number: _____ Email Address: _____

D. RETURN THIS FORM TO

1. Madison Metropolitan Sewerage District
Attn: Julie Maas
1610 Moorland Road
Madison, WI 53713-3398

juliem@madsewer.org (608) 222.1201 x309
2. Approval to use the local municipal sewerage system is additionally required. Submittal of this form to the public works or engineering division of the municipality serving the site can assist the municipality in reviewing the request. **The municipality will provide the final decisions regarding the use of its sewers.** The municipality will determine discharge restrictions and cost recovery requirements.

E. TO BE COMPLETED BY MMSD

MMSD review of the treatability of the proposed lightly contaminated wastewater
 granted, in accordance with municipality approval and requirements (see below for any notes).
 rejected, for reasons as specified below / attached

Signature _____

Date _____

Information Gathering



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Evaluating the Request

- Sewer Use Ordinance
- WPDES Permit.



Sewer Use Ordinance – Chapter 5

CHAPTER 5 - LIMITATIONS ON DISCHARGES TO THE SEWERS APPLICABLE TO ALL USERS

Section 5.1. General Limitations on Discharge Characteristics.

All Users shall comply with the limitations in this Chapter.

5.1.1. Limitations Related to Adverse Impacts.

Discharges to the public sewerage system of substances, materials, waters or waste shall be limited to concentrations or quantities, which will not harm the sewers, Wastewater treatment process or equipment; will not have an adverse effect on receiving streams; will not have an adverse effect on the District's biosolids management program; will not endanger persons or property; will not cause adverse environmental effects; and will not constitute a public nuisance.

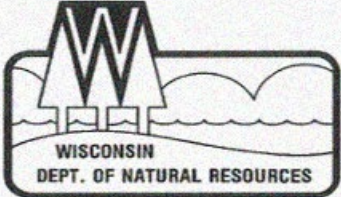
5.1.2. Limitations Related to the District's WPDES Permit.

No Person shall discharge pollutants into the sewerage system which pass through or interfere with the operation or performance of the District's Treatment Plant and thereby cause or significantly contribute to a violation of the District's WPDES permit and any modification or re-issuance thereof.



WPDES Permit

WPDES Permit No. WI-0024597-09-1



WPDES PERMIT

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES

PERMIT TO DISCHARGE UNDER THE WISCONSIN POLLUTANT DISCHARGE ELIMINATION SYSTEM

MADISON METROPOLITAN SEWERAGE DISTRICT

is permitted, under the authority of Chapter 283, Wisconsin Statutes, to discharge from a facility located at
1610 Moorland Road
to
BADFISH CREEK, FROM OUTFALL 001 (Lat: 42.97119° N / Lon: 89.35259° W) AND GROUNDWATER OF THE YAHARA RIVER AND LAKE MONONA WATERSHED, FROM OUTFALL 008, BOTH IN THE LOWER ROCK

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Collaboration



Emerging Contaminants

- **According to EPA, an emerging contaminant is a chemical or material characterized by a perceived, potential, or real threat to human health or the environment or by a lack of published health standards.**



Emerging Contaminants: Example

- Yesterday: unanswered questions
 - Are there safe levels of the contaminant in the environment?
 - Will regulatory limits be established?
 - What will our permit limits be?
 - Is the contaminant present in our influent and effluent?
 - Are there approved laboratory methods to quantify?



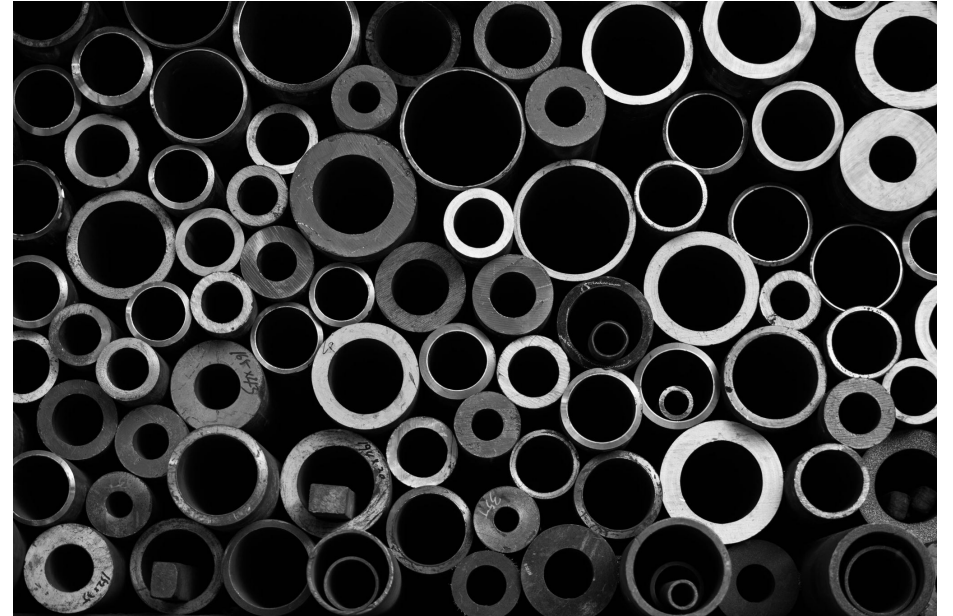
Emerging Contaminants: Example

- Today: adapting policy to improved understanding
 - Voluntary testing of our influent and effluent
 - Regulatory developments
 - Proposed surface water thresholds for two PFAS compounds
 - PFOA: 95 ng/L
 - PFOS: 8 ng/L



Final Steps

- Owner community involvement
 - Review and approve discharge
 - Logistics
 - Billing.



Outcomes

- Approved
- Not approved
- Rejected.



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Questions?

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Visitor

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