

From: Industrial Waste and Pollution Prevention Section

Direct Dial: (651) 602-4708 Fax Number: (651) 602-4730
E-Mail: peter.berglund@metc.state.mn.us

December 31, 2015

To: Julianne Rantala, Environmental Compliance Specialist

U of M - TCEM
501 SE 23rd Ave
Minneapolis, MN 55455

RE: INDUSTRIAL DISCHARGE PERMIT NUMBER 1042

FOR THE FACILITY LOCATED AT

501 SE 23rd Ave

Minneapolis, MN 55455

TRANSMITTED HERewith is the reissued Industrial Discharge Permit for the above referenced facility. This Permit has been reissued by Metropolitan Council Environmental Services for the period specified, and it supersedes the previous Permit. The discharge of Industrial Waste into the Metropolitan Disposal System is hereby allowed, subject to any and all provisions of the Waste Discharge Rules for the Metropolitan Disposal System, and this Permit.

THE INDUSTRIAL DISCHARGE PERMIT contains Discharge Limitations, Monitoring and Reporting Requirements, General Permit Conditions, Specific Permit Conditions, and a Compliance Schedule (if necessary). Any failure to submit the required Industrial Waste Discharge Reports, or any reports required by a Compliance Schedule, is a violation of this Permit. The Permit Number shall be included on all correspondence regarding this Permit.

THE PERMITTEE is reminded that reissuance of this Permit is not automatic; the Permittee must apply for reissuance at least 60 days prior to the Permit expiration date. If questions arise, contact Peter Berglund at (651) 602-4708 or via email at peter.berglund@metc.state.mn.us.

Sincerely,



Robert Nordquist, P.E.
Industrial Waste Manager
MCES Industrial Waste & Pollution Prevention Section

METROPOLITAN COUNCIL ENVIRONMENTAL SERVICES (MCES)

INDUSTRIAL DISCHARGE PERMIT

Pursuant to the provisions of Minnesota Statutes Chapter 473 as amended and the Waste Discharge Rules for the Metropolitan Disposal System (MDS) permission is hereby granted to

U of M - TCEM

501 SE 23rd Ave

Minneapolis, MN 55455

for the discharge of Industrial Waste into public sewers within the community of Minneapolis tributary to the Metropolitan Council's Metropolitan Wastewater Treatment Plant.

This Permit is granted in accordance with the application previously submitted and in consideration of the plans, specifications and data contained in the application.

Discharge Limitations, Monitoring and Reporting Requirements, Compliance Schedules, General Permit Conditions, and Specific Permit Conditions are contained in following sections of this Permit.

EFFECTIVE DATE: January 01, 2016

EXPIRATION DATE: December 31, 2018

Issued by METROPOLITAN COUNCIL ENVIRONMENTAL SERVICES

L. Rogacki

December 21, 2015

General Manager, or duly authorized representative
Larry Rogacki, Assistant General Manager
Support Services Business Unit

Date

METROPOLITAN COUNCIL ENVIRONMENTAL SERVICES (MCES)

A. Discharge Limitations

1. Discharge Limits at Sample Location(s):

The following Discharge Limits are based on the listed Rule(s) for the specified sampling location(s):

SP-02: Batch Discharge of Drummed Wastes

Applicable Rule	Rule Description	Regulated Pollutant	Standard (mg/L)
Waste Discharge Rule 401.00	MCES Local Pretreatment Standards	Cadmium	1.0
		Chromium	6.0
		Copper	4.0
		Cyanide, total	4.0
		Lead	1.0
		Mercury	0.002
		Nickel	6.0
		Zinc	6.0
		pH Minimum (Standard Units)	5.0
		pH Maximum (Standard Units)	11.0

Local pretreatment standards for metals and cyanide are the maximum for any 24 hour period.

pH standards are continuous and apply at all times.

2. Prohibited Waste Discharges

Prohibited wastes are specific in Waste Discharge Rule 406 and include, but are not limited to the following: (a) Flammable, explosive and corrosive wastes, gasoline, fuel oil, lubricating oil, hydraulic oil, motor oil, or grease; (b) Wastes that are likely to obstruct the flow within public sewers: grease, fat or oil of animal or vegetable origin, solid wastes, garbage, guts, bones, ash, sand, rags, lime, metal, wood, plastic, glass, or yard wastes; (c) Wastes that are likely to cause interference, pass-through, or operational problems: slug discharges, toxic chemicals, poisons, dyes, or inks; (d) Wastes that are likely to cause a public nuisance: noxious, malodorous, or foam producing substances; (e) Hazardous wastes, as defined by Minnesota Statutes; and (f) Waste generated outside of the Metropolitan Area.

METROPOLITAN COUNCIL ENVIRONMENTAL SERVICES (MCES)

B. Monitoring and Reporting Requirements

1. Following are the specific monitoring point location(s), sample collection frequency, volume determination, sample compositing, and (if necessary) the calculation methods required by this Industrial Discharge Permit. Representative wastewater samples shall be collected at each sampling point (SP) by the Permittee in accordance with these requirements and Waste Discharge Rules 212, 213, and 215. **These samples shall be collected each reporting period on normal operating days based on the corresponding frequency listed in Attachment A.**

i) Monitoring Point:

SP-02: Batch Discharge of Drummed Wastes

Samples shall be collected from the drums that contain the non-hazardous waste awaiting discharge to the sanitary sewer. Samples from each drum shall be either a coliwasa type column sample or a grab sample if the drum is well mixed.

ii) Collection Frequency:

One representative sample shall be collected from each drum.

iii) Volume Determination:

Total facility discharge volumes shall be based on incoming water meter readings, the volumes of wastewaters shipped in and discharged from the TCEM, and measurements or calculations for other water uses. A process wastewater volume shall be determined by estimating the overall volume of wastewater discharged from all of the drums.

iv) Compositing Method:

Samples from each drum shall be analyzed independently, or like samples from like drums may be composited together proportionally and analyzed as a group of like drums. Results from the analysis of each sample shall be compared to Discharge Limits listed in Section A.1. for compliance determination and requesting discharge approval from MCES prior to discharge.

v) MCES Strength Charge:

The MCES Strength Charge is based on total facility concentrations for Chemical Oxygen Demand (COD) and Total Suspended Solids (TSS), and the total facility discharge volume for each reporting period. MCES Strength Charges are determined in accordance with Waste Discharge Rule 302.

METROPOLITAN COUNCIL ENVIRONMENTAL SERVICES (MCES)

B. Monitoring and Reporting Requirements (continued)

2. Parameters

Chemical analysis, in accordance with Waste Discharge Rule 216, of the sample(s) representing the waste discharged through the specific monitoring point(s), shall be performed for the following parameters:

See Attachment A

3. Reporting Requirements

- a. The Permittee shall submit a complete Industrial Waste Discharge Report 1 time per year, according to the following schedule:

<u>Reporting Period</u>	<u>Report Due in MCES office by</u>
January 1 - December 31	January 30

- b. Permittees subject to EPA Categorical Pretreatment Standards shall submit an EPA Categorical Compliance Report with each Industrial Waste Discharge Report.

C. Compliance Schedule

The Permittee shall install additional pretreatment equipment and/or conduct necessary operation and maintenance to comply with the Discharge Limitations in accordance with the schedule set forth in:

Not Applicable

D. General Permit Conditions

1. All discharges into public sewers by the Permittee shall be in accordance with applicable provisions of the Waste Discharge Rules for the MDS and this Permit.
2. The Permittee shall not knowingly make any false statement, representation or certification in any record, report, plan or other document submitted to MCES.
3. This Permit shall not release the Permittee from any liability, duty or penalty imposed by local, state or federal statutes, regulations, ordinances or license requirements regarding waste disposal.

METROPOLITAN COUNCIL ENVIRONMENTAL SERVICES (MCES)

D. General Permit Conditions (continued)

4. This Permittee shall take all reasonable precautions to minimize all accidental discharges including prohibited slugs, spills, and bypasses. Plans for the prevention and control of accidental discharges shall be submitted to the Industrial Waste & Pollution Prevention Section for approval within a specific period of time when required by MCES. **In the event of any significant accidental discharge, spill, or bypass, the Permittee shall IMMEDIATELY notify the Minnesota State Duty Officer at (651) 649-5451 and report the facility address, and other pertinent information.**

In accordance with Waste Discharge Rule 412, the Permittee shall post a permanent notice on an employee bulletin board or other prominent place advising employees how to notify the Minnesota State Duty Officer in the event of an accidental or prohibited slug discharge.

5. The Permittee shall notify the Industrial Waste & Pollution Prevention Section within 24 hours of becoming aware of any violation of the Discharge Limitations in Section A. of this Permit.
6. The Permittee shall pay applicable Permit fees, Strength Charges, Load Charges, self-monitoring report late fees, and other cost recovery fees assessed by MCES.
7. In accordance with Waste Discharge Rule 211, the Permittee shall not assign or transfer an Industrial Discharge Permit to a new owner, or a new location, without the written approval of MCES.
8. In accordance with Waste Discharge Rule 214, the Permittee shall unconditionally allow MCES personnel to enter the Permittee's premises for the purposes of inspection, monitoring, records review or any other actions, needed to verify information received by MCES or determine compliance with the Waste Discharge Rules and this Permit. The Permittee shall not place conditions upon entry of MCES personnel to the Permittee's premises. In the event that an employee of MCES signs any document agreeing to conditions of entry, including, but not limited to confidentiality of information, this Permit supersedes any such agreement.
9. The Permittee shall retain its waste disposal records, in accordance with Waste Discharge Rule 214, for a period of not less than three years.
10. The analytical results for all wastewater monitoring conducted during each reporting period, at the monitoring point(s) specified in this Permit or at points representing the industrial discharge through the monitoring point(s), including in-house sampling and analysis, shall be submitted with each Industrial Waste Discharge Report. All analytical results shall include the operating day discharge volume. Permittees conducting more than one sampling event, in accordance with Permit requirements in Section B, during a reporting period, shall compute an arithmetic average for all parameters subject to EPA Categorical Pretreatment Standards. The average operating day discharge volume shall also be included. For pH, the minimum and maximum value in the range of measured values shall be listed.

METROPOLITAN COUNCIL ENVIRONMENTAL SERVICES (MCES)

D. General Permit Conditions (continued)

11. If applicable, the Permittee shall install, operate, and maintain sampling and monitoring devices in proper working order at the Permittee's expense.
12. The Permittee shall notify the Industrial Waste & Pollution Prevention Section at least 60 days prior to making changes, such as:
 - moving, adding, or replacing processes or equipment, or
 - modification of the wastewater monitoring point, or
 - installation or modification of wastewater pretreatment equipment, or
 - any other operational changes that would significantly affect the volume or characteristics of the wastewater discharged.

This Permit shall then be subject to modification or reissuance in accordance with Waste Discharge Rules 206-209.

13. The Permittee shall be subject to civil liability as a result of discharges which violate the Waste Discharge Rules, applicable federal pretreatment standards or requirements, or any requirement or condition contained in this Permit. Further, any violation may also result in the Permittee being subject to civil and/or criminal penalties in the amount of \$1,000 per day, 90 days imprisonment, or both.
14. Information and data that Permittees submit to MCES shall be available to the public as required by Waste Discharge Rule 221, the Minnesota Government Data Practices Act, Minnesota Statutes, chapter 13, 40 CFR part 403.14 or any other applicable law. The Permittee may make a written request that certain submitted information remain confidential. If MCES determines that this information is eligible for classification as confidential, then the information will not be made available to the public. Information determined to be confidential will remain available only to MCES or any other public agency with the authority to view such information. Information that MCES needs to determine applicable regulations, compliance with the Waste Discharge Rules, or characteristics of the wastewater discharge cannot be deemed confidential.

METROPOLITAN COUNCIL ENVIRONMENTAL SERVICES (MCES)

E. Specific Permit Conditions

1. Wastewater Volume Review - The results of the wastewater volume review conducted prior to the reissuance of this Industrial Discharge Permit indicate that the Permittee is not required to pay additional Sewer Availability Charge (SAC) units at this time. Future increases in wastewater volume discharge to the Metropolitan Disposal System will be subject to SAC Payment requirements.
2. The Permittee shall not discharge any prohibited waste materials, as listed under Section 406.00 of the Waste Discharge Rules.
3. Silver discharge concentrations equal or greater than 5 mg/L constitute hazardous waste. Such discharge is prohibited by Waste Discharge Rule 406.19.
4. Wastewater from the cleaning of floors in the facility; including any process, loading, or storage areas; shall be collected, stored, sampled, and analyzed for evaluation and discharged in accordance with Section B and Section E Specific Permit Condition Number 6. of this permit, if allowed by MCES. If there is one drum containing floor scrubber wastewater, it shall be sampled and analyzed separately. If there are multiple drums of floor scrubber wastewater, these drums would be considered "like" drums and may be analyzed as a group of like drums, following the procedures in Section B of this permit.
5. The Permittee shall monitor the filter/pretreatment system for break-through once per year during the second half of the year. Documentation of this testing, including laboratory test results, shall be submitted annually with the Industrial Waste Discharge report.
6. Prior to disposal, each batch of non-hazardous waste shall be sampled and analyzed for Cadmium, Chromium, Copper, Lead, Nickel, Zinc, Mercury, pH, Total Suspended Solids, Chemical Oxygen Demand. Further, if photographic, x-ray processing chemicals, or other potentially silver-bearing chemicals are present in a drum, then also analyze this drum's wastewater for Silver. Follow procedures outlined in Section B. of this permit. The results of these analyses shall be submitted to MCES prior to discharge for evaluation by MCES.

METROPOLITAN COUNCIL ENVIRONMENTAL SERVICES (MCES)

Attachment A

Sampling Requirements from Section B.2.

Sampling Location: SP-02 - Batch Discharge of Drummed Wastes

Analytical Method (1)	Analyte Description	Minimum Sample Collection Frequency (2)
EPA 150.1	pH	One Sample Per Year
EPA 160.2	Total Suspended Solids	One Sample Per Year
EPA 410.4	Chemical Oxygen Demand	One Sample Per Year
EPA 200.7	Total Metals <i>Cadmium</i> <i>Chromium</i> <i>Copper</i> <i>Lead</i> <i>Nickel</i> <i>Zinc</i>	One Sample Per Year
EPA 245.1	Mercury	One Sample Per Year

(1) All samples shall be collected, preserved and analyzed in accordance with the procedures and methods established above and / or in 40 Code of Federal Regulations Part 136 and amendments.

(2) Sampling and/or analysis is not required during reporting periods when there is no discharge to the MDS .