

From: Industrial Waste and Pollution Prevention Section

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September 01, 2021

To: Canadian Pacific Railway

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Re: INDUSTRIAL DISCHARGE PERMIT (SPECIAL DISCHARGES) NUMBER 2286

FOR THE SITE LOCATED AT 6th St NE & 27th Ave NE
Minneapolis, MN 55418

TRANSMITTED HERewith is the reissued Industrial Discharge Permit (Special Discharges) for the above referenced site. This Permit has been reissued by Metropolitan Council Environmental Services for the period specified, and it supercedes the previous Permit. The discharge of landfill leachate, contaminated groundwater or special 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 PERMIT contains Discharge Limitations, Self-Monitoring and Reporting Requirements, Special Conditions regarding connected and nonconnected sites, General Permit Conditions, and Specific Permit Conditions. Any failure to submit the required Self-Monitoring Reports (SMRs) 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 Ashley Corbeille at (651) 602-4717 or via e-mail at ashley.corbeille@metc.state.mn.us.

Sincerely,



Martina M Nelson, PE, PMP
Acting Industrial Waste Manager
MCES Industrial Waste & Pollution Prevention Section

METROPOLITAN COUNCIL ENVIRONMENTAL SERVICES (MCES)

**INDUSTRIAL DISCHARGE PERMIT
SPECIAL DISCHARGES**

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

Canadian Pacific Railway

120 S 6th St, #700

Minneapolis, MN 55402

for the discharge of contaminated groundwater

from 6th St NE & 27th Ave NE , Minneapolis, MN 55418

into 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, Self-Monitoring and Reporting Requirements, Special Conditions regarding connected and non-connected sites, and Specific Permit Conditions are contained in the following sections of this Permit.

EFFECTIVE DATE: November 01, 2021

EXPIRATION DATE: October 31, 2024

Issued by METROPOLITAN COUNCIL ENVIRONMENTAL SERVICES



09/01/2021

General Manager, or duly authorized representative
Martina M Nelson, PE, PMP, Acting Industrial Waste Manager
MCES Industrial Waste & Pollution Prevention Section

Date

METROPOLITAN COUNCIL ENVIRONMENTAL SERVICES (MCES)

A. Discharge Limitations

1. Local Pretreatment Standards

Parameter	Standard (mg/L)
Cadmium (Cd)	1.0
Chromium (Cr)	6.0
Copper (Cu)	4.0
Cyanide - total (CN)	4.0
Lead (Pb)	1.0
Mercury (Hg)	0.002
Nickel (Ni)	6.0
Zinc (Zn)	6.0
pH - maximum (Standard Units)	11.0
pH - minimum (Standard Units)	5.0

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. Additional Limitations:

The following limits apply to special discharges:

Concentration of any one toxic organic parameter	3 mg/L
Combined total toxic organics parameter concentration	10 mg/L
Total hydrocarbons (for petroleum-related discharges)	100 mg/L

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A. Discharge Limitations (continued)

3. Prohibited Waste Discharges:

Prohibited Waste Discharges are specified 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 products; (e) Cooling water, runoff, and other unpolluted water; (f) Hazardous wastes, as defined by Minnesota Statutes; and (g) Waste generated outside of the Metropolitan Area, unless prior approval is obtained from MCES.

B. Self-Monitoring and Reporting Requirements:

1. Sample Collection

Representative wastewater sample(s) shall be collected from the following sample locations (SPs). See Attachment A for sample collection frequency.

SP-01: Effluent Discharge Line

The sampling point located on the effluent discharge line to the sanitary sewer. The Permittee shall collect representative samples at SP-01 only on days in which wastewater is discharged to the sanitary sewer during the reporting period. If no discharge, sampling and analysis are not required.

2. Parameters

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

See Attachment A

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B. Self-Monitoring and Reporting Requirements (continued):

3. Reporting Requirements

The following Self-Monitoring Reports (SMRs) shall be submitted electronically using the MCES Industrial Online Reporting System.

Reports shall be submitted each reporting period until this Permit is terminated, whether or not a discharge has occurred during a given reporting period.

The Permittee is required to submit a complete report to MCES 4 times per year according to the following schedule:

<u>Reporting Period</u>	<u>Reports Due in MCES Office by</u>
January 1 - March 31	April 30
April 1 - June 30	July 31
July 1 - September 30	October 31
October 1 - December 31	January 31

a) Reporting Period Information SMR:

A complete report consists of a Reporting Period Information SMR with the total discharge volume for the reporting period, as well as all required attachments listed in Section G of this Permit. All certification questions shall be answered and any other pertinent information shall be included, such as significant problems or process changes that occurred during the reporting period.

b) Sampling Results SMR:

See Attachment A for the sampling frequency required for each listed parameter.

A complete report consists of a Sampling Results SMR and a copy of all laboratory data sheets for all samples reported on the SMR. The Permittee shall also submit all required attachments listed in Section G of this Permit. All certification questions shall be answered and any other pertinent information shall be included.

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C. Special Conditions for Discharge Sites Not Connected to Public Sewers

1. Discharge Location

Permitted discharge for sites not connected to public sewers shall be transported by an MCES-permitted Liquid Waste Hauler to the Metropolitan Plant Liquid Waste Receiving Facility in St. Paul. As defined in Waste Discharge Rule 004.28, public sewers include MCES interceptors and all community-owned sanitary and combined sewers that are tributary to the MDS.

2. Load Charge

Transported discharges are be subject to a Load Charge which includes a volume component, a strength component, and a facilities cost component. The volume component is based on the volume rate that MCES charges all communities served. The strength component is based on volume, a Chemical Oxygen Demand concentration in excess of 500 milligrams per liter (mg/L) and a Total Suspended Solids concentration in excess of 250 mg/L. The facilities cost component includes debt service for capital costs for new or upgraded disposal sites, and associated operating costs. The Load Charge recovers the full cost of treating hauled liquid waste discharged into MCES facilities. The Out of Service Area Load Charge includes an additional service fee, determined by the Regional Administrator. The MCES rates used to calculate the load charge components are adjusted annually.

D. Special Conditions for Discharge Sites Connected to Public Sewers

1. Connection Approval

A Permittee making a connection to a community-owned sewer or an MCES interceptor shall obtain approval from the appropriate authority prior to making the connection. Billing for sewer use shall also be arranged with the community.

2. Volume Measurement

The Permittee shall install and maintain an appropriate discharge volume metering device, in accordance with Waste Discharge Rules 213 and 215.

3. Temporary Capacity Charge (TCC)

Permitted sites that are connected to public sewers will be subject to a Temporary Capacity Charge for temporary use of reserve capacity in the MDS.

E. 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, the MCES Leachate and Contaminated Groundwater Program 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.

METROPOLITAN COUNCIL ENVIRONMENTAL SERVICES (MCES)

E. General Permit Conditions (continued)

3. The 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.
4. The 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 specified 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, for sites connected to public sewers, the Permittee shall post a permanent notice in a 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 Limitatons in Section A. of this Permit.
6. The Permittee shall pay applicable Permit fees, temporary capacity charges, 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 (Special Discharges) to a new owner, without 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 then three years.
10. The laboratory reports for all wastewater monitoring conducted during each reporting period, at the point of discharge into public sewers, shall be submitted with the corresponding Sampling Results SMR for that period. Reports must be submitted each reporting period until this Permit is terminated. Sample collection and analytical methods shall meet EPA protocol established in 40 CFR Part 136.

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E. General Permit Conditions (continued)

11. The Permittee shall report any operational changes or practices which differ from those described in the original Special Discharge Permit application, including changes in pretreatment system design or operation, or rate of discharge. The Permittee shall also notify the Industrial Waste & Pollution Prevention Section within 48 hours if the discharge is temporarily or permanently discontinued.
12. This Permit supercedes any MCES discharge approvals or Industrial Discharge Permits previously issued for the discharge of landfill leachate, contaminated groundwater or special industrial waste from this site into the Metropolitan Disposal System.
13. This Permit is not exclusive. This Permit shall not release the Permittee from conditions set forth by the Minnesota Pollution Control Agency, Minnesota Department of Health, Minnesota Department of Natural Resources or the community in which the site is located.
14. 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.
15. 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 by submitting the Confidential Business Information Request Form. 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.

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F. Specific Permit Conditions

1. All contaminated groundwater shall pass through a pretreatment system consisting of bag filters and carbon vessels in a lead/lag configuration prior to discharge to the sanitary sewer. Further treatment may be required if discharge concentrations exceed those listed in Section A.1. and A.2.
2. The point of discharge to the sanitary sewer shall be at the maintenance hole on the city sewer line at 6th St NE & 27th Ave NE.

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G. Required SMR Submittals

Sampling Results SMR

The following items shall be submitted as an attachment to each submitted Sampling Results SMR:

1. The Permittee shall collect a grab sample for pH analysis according to Standard Method 4500-H+ on sampling days and submit these pH readings with each Sampling Results SMR.

METROPOLITAN COUNCIL ENVIRONMENTAL SERVICES (MCES)

Attachment A

Sampling Requirements from Section B.2.

Sampling Location: SP-01 - Effluent Discharge Line

Analytical Method (1)	Analyte Description	Minimum Sample Collection Frequency (2)
SM 4500-H+	Instantaneous Field pH	One Sample per Year
SM 2540D	Total Suspended Solids	One Sample per Year
EPA 410.4	Chemical Oxygen Demand	One Sample per Year
EPA 625 EPA 8270	Base/Neutral Extractables Semi-Volatile Organic Compounds	One Sample per Month

- (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 Metropolitan Disposal System.

Contaminants of concern at this site are phenols.