



**Minnesota Pollution
Control Agency**

520 Lafayette Road North
St. Paul, MN 55155-4194

Sewered Waste Notification

Hazardous Waste Program

Doc Type: Hazardous Waste Notification

Instructions on Page 3

Hazardous waste generators: Complete Parts A through D, make a copy for your files, then forward to your wastewater treatment plant, and send copies to the Minnesota Pollution Control Agency (MPCA) and U. S. Environmental Protection Agency (EPA) Region 5.

Send a copy of this form to Minnesota Pollution Control Agency:

Attn: Kathy Gedde
Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, MN 55155-4194

Send a copy of this form to U.S. Environmental Protection Agency, Region 5:

Attn: Margaret Guerriero, Director
USEPA, Land and Chemicals Division (L-8J)
77 West Jackson Boulevard
Chicago, IL 60604

For additional information:

Hazardous waste generators call:
Kathy Gedde at: 651-757-2382 or 651-296-6300
MPCA St. Paul Office
520 Lafayette Road North, St. Paul, MN 55155
kathy.gedde@state.mn.us

Wastewater treatment plants call:
Jaramie Logelin, Pretreatment Coordinator at 218-302-6640
MPCA Duluth Office
525 Lake Avenue South, Suite 400, Duluth, MN 55802
jaramie.logelin@state.mn.us

For additional copies, go to: <http://www.pca.state.mn.us/publications/w-hw7-11.pdf>

EPA Identification no.:	MN
or Date applied for:	

A. General Information

Company name: _____
Address: _____
City: _____ State: _____ Zip code: _____ County: _____
Contact name: _____ Contact title: _____
Phone: _____ Fax: _____
E-mail address: _____

B. Sewered Waste Inventory

List all wastes sewered on site. Attach additional sheets if necessary

Waste stream number	EPA waste code (unless NA)	Waste name or description	Volume per month	Dilution ratio of wastewater (if diluted)	Type of treatment (if treated)	Type of discharge (B, C, or O)
1						
2						
3						
4						
5						

C. Waste Stream Constituents

A business that sewers more than 100 kilograms per month of hazardous waste must also provide the following information about the waste *before it is diluted*. For each waste stream identified in Part B, list the hazardous constituent contained in the waste.

Note: There may be more than one constituent per waste stream; all must be listed. Use existing test data. Attach additional sheets if necessary.

Waste stream number	Hazardous constituent in waste stream	Concentration of hazardous constituent (most recent month)	Mass per month of hazardous constituent (most recent month)	Estimated mass per year of hazardous constituent	Type of test data (total metals, TCLP)

D. Generator Certification

I certify, under penalty of law, that I have personally examined and am familiar with the information submitted in this and all attached documents and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable.

Print name: _____ Title: _____

Signature: _____ Date: _____

Generator: Make a copy for your file. Forward the **original** to your wastewater treatment plant. Indicate the name, address, and contact of the wastewater treatment plant that you send the form to below.

Wastewater treatment plant information

Plant name: _____

Address: _____

City: _____ State: _____ Zip code: _____ County: _____

Contact name: _____ Contact title: _____

Phone: _____ Fax: _____

E-mail address: _____

Instructions

Note: Some chemicals which are diluted during use, may be discharged to a sanitary sewer in accordance with EPA Rule 40 CFR Pt. 403 and the Clean Water Act (CWA) provided that:

1. The waste is discharged to a permitted Wastewater Treatment Plant (WWTP), i.e. not discharged to a septic system *Discharging industrial waste to a septic system or storm sewer is prohibited under Minnesota Law*; and
2. The waste discharge complies with all pretreatment standards contained in 40 CFR Chapter I, Subchapter N (*general and categorical pretreatment standards*) or developed pursuant to CFR 403. **Please address questions regarding this point to your local WWTP.**

A. General information: Fill out electronically or print.

B. Sewered waste inventory:

Every business that discharges waste must complete this part.

- **EPA waste code:** Provide the four-digit code describing the waste. For non-hazardous waste, this does not apply; write N/A.
- **Waste name:** Provide a descriptive name for each waste you intend to discharge.
- **Volume per month:** Provide discharged volume per month in gallons.
- **Dilution ratio:** If waste is diluted, provide ratio of waste to water.
- **Type of treatment:** If waste is treated before discharge, provide the type of treatment (*e.g., neutralization, reclamation, ion exchange.*)
- **Type of discharge:** Enter "C" for continuous discharge, "B" for batch discharges, or "O" for other if you discharge waste in any other way.

C. Waste stream constituents:

Complete Part C only if you sewer more than 100 kilograms per month of hazardous waste. Use existing test data.

- **Waste Stream Number:** Identify the waste stream (1, 2, 3...) from Part B to which each constituent belongs.
- **Hazardous constituent:** Provide the name of the constituent in the waste that makes it hazardous. **Note:** *One stream may have more than one hazardous constituent.*
- **Concentration of hazardous constituent:** From existing test data, write the concentration of each constituent discharged in the most recent month.
- **Mass per month of hazardous constituent:** Calculate, in pounds, the mass of each constituent discharged in the most recent month.
- **Estimated mass per year of hazardous constituent:** Estimate the mass of each constituent you expect to discharge in the next 12 months.
- **Type of test data:** Indicate the name of the test performed on waste (*TCLP=toxicity characteristic leaching procedure*).

D. Generator certification:

Read, sign, and date the form. Make a copy for your files. Send the original form to the local wastewater treatment plant. Send copies of the form to the Minnesota Pollution Control Agency and United States Environmental Protection Agency, Region 5 at the addresses indicated on the form.

Determining who operates your wastewater treatment plant.

General: In determining where your sewerage goes, and therefore where you should send your notification, one good lead is to look at who you pay your sewer fees to. Either that organization operates your wastewater treatment plant, and you should send your notification to them, or they should know who does operate your wastewater treatment plant. Ask them.

Another resource that may be useful is on the MPCA website, called "what's in my neighborhood".

<http://www.pca.state.mn.us/index.php/topics/environmental-data/wmn-whats-in-my-neighborhood/whats-in-my-neighborhood.html>

Search for a wastewater discharger activity type in your city or county. Look for a name with WWTP (wastewater treatment plant) or sanitary district. In Minnesota, most communities that are not suburbs of larger communities provide community sewer service and operate your wastewater treatment plant if you are within that community.

The Minneapolis Saint Paul Metro area: Much of the Minneapolis-St. Paul metropolitan area is served by Metropolitan Council Environmental Services (MCES). You can find a list of communities served on the MCES website at <http://www.metrocouncil.org/environment/WastewaterTreatment/communities.htm>.

This website shows communities and multiple MCES WWTPs. Regardless of the MCES WWTP listed on this website, all notifications for companies in these communities that are served by MCES should be sent to:

Industrial Waste & Pollution Prevention Section
Metropolitan Council Environmental Services
390 Robert Street North
St. Paul, MN 55101-1805

Hazardous Constituents in a Waste Stream - Example

Problem: A business discharges three of their waste streams as follows:

1. A quenching bath containing heavy metals is discharged in **weekly batches of 25 gallons** each. The waste is diluted 100-fold at the point of discharge.
2. An alcohol solution is discharged when it is produced. The density of the solution is 8.1 lb/gal. Approximately **1/2 gal/mo** is discharged after 10-fold dilution.
3. A spent aqueous solvent that has a flashpoint of 210°F is discharged continuously. 100 gal is discharged each month without dilution.

From test results, it is known that the quenching bath contains:
(ppm = mg/L)

	Total Metals	TCLP	HW Threshold
Cadmium (Cd)	34.9 ppm	1.7 ppm	1.0 ppm
Lead (Pb)	170.2 ppm	8.3 ppm	5.0 ppm
Mercury (Hg)	0.0062 ppm	<0.0004 ppm	0.2 ppm

The concentration of cyanide in the tested solution is 1050 ppm; the density of the solution that was tested is 9 lb/gal.

Solution:

The business should complete the form as shown below. Calculations of mass per month and mass per year for one constituent in waste stream #1 as well as for waste stream #2 are shown below. Perform calculations for other constituents in the same way. Use total metals data if available; use TCLP data only if total metals data is NOT available.

$$\begin{array}{l}
 \text{1. Using concentration for Cd} \quad \frac{34.9 \text{ mg}}{\text{L}} \times \frac{1 \text{ kg}}{1,000,000 \text{ mg}} \times \frac{2.2046 \text{ lb}}{1 \text{ kg}} \times \frac{3.7854 \text{ L}}{1 \text{ gal}} = 0.000291 \text{ lb/gal} \\
 \text{Concentration of constituent from TCLP test} \quad \text{Conversion factor: } 1 \text{ kg} = 1,000,000 \text{ mg} \quad \text{Conversion factor: } 1 \text{ kg} = 2.2046 \text{ lb} \quad \text{Conversion factor: } 1 \text{ gal} = 3.7854 \text{ L} \\
 \frac{0.000291 \text{ lb}}{\text{gal}} \times \frac{25 \text{ gal}}{\text{week}} \times \frac{4 \text{ weeks}}{\text{month}} = 0.0291 \text{ lb Cd/month} \\
 \frac{0.000291 \text{ lb}}{\text{gal}} \times \frac{25 \text{ gal}}{\text{week}} \times \frac{52 \text{ weeks}}{\text{one year}} = 0.379 \text{ lb Cd/year} \\
 \text{2. Using density for alcohol solution} \quad \frac{8.1 \text{ lb}}{\text{gal}} \times \frac{0.5 \text{ gal}}{\text{month}} \times \frac{12 \text{ months}}{\text{one year}} = \frac{48.6 \text{ lb}}{\text{year}} \\
 \text{Density from testing} \quad \text{Volume discharged per time} \quad \text{Conversion factor}
 \end{array}$$