



**Minnesota Pollution
Control Agency**

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

Industrial Pretreatment Discharge to a Municipal Wastewater Treatment Facility Application

SDS Permit Program

Doc Type: Permit Application

Instructions on Page 4

The State Disposal System (SDS) Permit Program regulates wastewater discharges to land. This application applies to industrial facilities that discharge wastewater from categorical processes (listed in 40 CFR 413 – 471 and MN Rule 7049.0310) to a municipal wastewater treatment system.

Complete the application by typing or printing in black ink. Attach additional sheets as necessary. For more information, please contact the Minnesota Pollution Control Agency (MPCA) at: In Metro Area: 651-296-6300 or Outside Metro Area: 800-657-3864.

Permittee name: _____ **Permit number:** MN _____

Basic Information

- Principal facility activity: _____
Standard Industrial Classification (SIC) code numbers if known: _____
- Pretreatment point source category: _____

Process Wastewater

- Production.

For each process that is subject to a production based limit in a pretreatment point source category, list the facility's average production.

Process	Production	Units

- Monitoring points.

Describe your monitoring point(s). If more than one monitoring point is identified, describe each separate monitoring point and note which wastewater stream goes to each monitoring point. Provide a wastewater flow chart as needed.

- Wastewater flows.

A. Regulated processes (List processes regulated by a National Categorical Pretreatment Standard.)

Process	Category and Subcategory	Flow (average/maximum)

B. Unregulated processes (List processes not regulated by a National Categorical Pretreatment Standard.)

Process	Flow (average / maximum)

C. Dilution water (List other flows present at monitoring point.)

Source	Flow (average / maximum)

D. Total wastewater flow (average/maximum): _____

6. Wastewater quality.

Identify pollutants contained in your wastewater discharge. Include regulated pollutants.

Pollutant	Process	Average measure	Maximum measure

Note: Industrial users subject to National Categorical Pretreatment Standards are required to submit a baseline monitoring report. If this application is for new permit, either for a new or existing facility, and a Baseline Monitoring Report has not previously been submitted, the information required for a baseline monitoring report must be included in this application or submitted separately.

7. Solvent use. (List constituents of Total Toxic Organics (TTO))

Note: If any of the constituents of TTO are used anywhere in the permitted facility, a Total Organic Management Plan (TOMP) must be submitted and approved by the MPCA. The Toxic Organics Management Plan (TOMP), when required, must contain at least the following elements:

- a list of all materials or products at the Facility containing constituents of Total Toxic Organics (TTO) and the respective constituent of TTO for each material or product, including any material or product that may contain a constituent of TTO as a component of a trade name compound.
- a description of the method of organic compound disposal.
- procedures and control measures used by the Permittee to prevent toxic organics from entering the municipal wastewater treatment system whether by spill, leak, discharge or any other means.

Wastewater Treatment and Discharge

8. Describe any treatment of the wastewater. Indicate continuous or batch discharge. Provide a flow chart if needed.

9. Name of the municipal wastewater treatment facility receiving discharge:

10. If you are applying for a new permit for an existing facility, complete the following:

- A. Based on the data provided in this application, is your facility meeting applicable pretreatment standards on a consistent basis?

- B. If your facility is not meeting applicable pretreatment standards on a consistent basis, what actions are needed to achieve consistent compliance?

- C. If actions are needed to achieve consistent compliance, on what schedule will these actions be taken?

Review the application and ensure all requested items are submitted with this application.

Please make a copy for your records.

Refer to the *Transmittal Form* for mailing instructions.

Instructions

If an item does not apply, indicate "NA" or "Not Applicable" in the appropriate space to show that the item has been considered. Refer to the Code of Federal Regulations (CFR) for the specific subcategory, as specified in Table 1, and to the specific instructions for an item to determine whether an item is applicable.

Question 1. Principal Facility Activity. Briefly describe the principal product produced or service provided at the facility. Provide applicable Standard Industrial Classification (SIC) code(s) for these activities, if known.

Question 2. Pretreatment Point Source Category. Provide the name of the pretreatment point source category which you believe your facility is subject to. The categories are listed in Table 1, below, along with a reference to the relevant citation in the Code of Federal Regulations (CFR). Also list the subcategory or subcategories your facility is subject to, if applicable. The complete listing of subcategories and descriptions are provided in the relevant CFR part.

Question 3. Production. If the Pretreatment Point Source Category your facility is subject to uses production based limits, provide the facility's average production for each regulated process. Refer to the pretreatment category summary to determine whether your facility is subject to production based limits. The summary should also list the processes for which production is needed and the production basis and units in which production should be provided. The production provided should be an actual annual average production, not a facility capacity.

Question 4. Monitoring Points. A "monitoring point" is the location, following treatment, where wastewater being discharged can be monitored, and is the point at which pretreatment standards must be complied with. Describe all monitoring point(s) at your facility. Whenever possible, a single monitoring point should be selected, and should contain all the flow of regulated process with no dilution waste streams.

Question 5. Wastewater Flows. List the separate wastewater streams at the facility and indicate the average and maximum flow rates for each waste stream. If wastewater from one process is subsequently used in another process, please note that fact, and do not include it more than once in the total.

- A. **Regulated Processes.** Individually list each wastewater discharging process that is regulated by any of the pretreatment point source categories your facility is subject to. Only wastewater from processes subject to National Categorical Pretreatment Standards should be listed in this section.
- B. **Unregulated Processes.** Individually list processes not regulated by National Categorical Pretreatment standards, but which are present at a monitoring point(s), or which have the potential to be contaminated with the same pollutants, or pollutants similar to regulated waste streams.
- C. **Dilution Water.** Individually list any other wastewater flows that are present at a monitoring point(s), such as cooling water and sanitary wastewaters. Include only wastewaters present at your monitoring point(s).
- D. **Total Wastewater Flow.** Indicate the total flow of all wastewater flows present at a monitoring point.

Question 6. Wastewater Quality. Identify pollutants contained or potentially contained in the wastewater discharge. Be sure to include all pollutants potentially present at your facility regulated by the pretreatment point source category which your facility is subject to, and unregulated pollutants that may be present. Indicate the processes which result in the discharge of each pollutant, and summarize monitoring data for each pollutant. If additional space is needed, attach a sheet containing all relevant data. All data submitted should be summarized unless you have been specifically instructed otherwise. Laboratory analysis sheets should not be submitted unless specifically requested. If your facility is required to submit a Baseline Monitoring Report (BMR), you may need to perform additional monitoring.

Question 7. Solvent Use. If your facility is subject to a National Categorical Pretreatment standard with limits for Total Toxic Organics (TTO), list all constituents of TTO for your category that are used or produced at your facility. Refer to Table 2, below, for a list of TTO.

Question 8. Describe the wastewater treatment given to each process wastewater stream. Where multiple wastewater streams are treated together, list the streams that are treated together and describe the treatment that all are given. Indicate whether the discharge is continuous or a batch discharge. Attach a flow chart to this application if needed to describe the treatment provided and its relationship to processes that produce wastewater and discharge monitoring points.

Question 9. Provide the name of the municipal wastewater treatment facility receiving discharge from the facility.

Question 10. If applying for a new permit for an already existing facility, indicate whether your facility is meeting applicable pretreatment standards on a consistent basis. If compliance is not achieved on a consistent basis, describe any operational, functional and/or structural changes at your facility that would need to be implemented to achieve consistent compliance, and the time schedule that will be implemented to make these changes (schedule of compliance).

Table 1. Listing of Pretreatment Categories and Corresponding CFR Reference

Pretreatment Category	CFR Reference
Aluminum Forming	40 CFR 467
Asbestos Manufacturing	40 CFR 427
Battery Manufacturing	40 CFR 461
Builders' Paper and Board Mills	40 CFR 431
Carbon Black Manufacturing	40 CFR 458
Cement Manufacturing	40 CFR 411
Coil Coating	40 CFR 465
Copper Forming	40 CFR 468
Dairy Products Processing	40 CFR 405
Electrical and Electronic Components	40 CFR 469
Electroplating	40 CFR 413
Feedlots	40 CFR 412
Ferroalloy Manufacturing	40 CFR 424
Fertilizer Manufacturing	40 CFR 418
Fruits and Vegetables Processing and Manufacturing	40 CFR 407
Glass Manufacturing	40 CFR 426
Grain Mills Manufacturing	40 CFR 406
Ink Formulating	40 CFR 447
Inorganic Chemicals Manufacturing	40 CFR 415
Iron and Steel Manufacturing	40 CFR 420
Leather Tanning and Finishing	40 CFR 425
Meat Processing	40 CFR 432
Metal Finishing	40 CFR 433
Metal Molding and Casting	40 CFR 464
Nonferrous Metals Forming and Metal Powders	40 CFR 471
Nonferrous Metals Manufacturing	40 CFR 421
Oil and Gas Extraction	40 CFR 435
Paint Formulating	40 CFR 446
Paving and Roofing (Tars and Asphalt)	40 CFR 443
Pesticide Chemicals	40 CFR 455
Petroleum Refining	40 CFR 415
Pharmaceutical Manufacturing	40 CFR 439
Phosphate Manufacturing	40 CFR 422
Plastics Molding and Forming	40 CFR 463
Porcelain Enameling	40 CFR 466
Pulp, Paper and Paperboard	40 CFR 430
Rubber Processing	40 CFR 428
Seafood Processing	40 CFR 408
Soaps and Detergents Manufacturing	40 CFR 417
Steam Electric Power Generating	40 CFR 423
Sugar Processing	40 CFR 409
Timber Products Manufacturing	40 CFR 429
Textile Mills	40 CFR 410

Table 2. Constituents of Total Toxic Organics (TTO)

Acenaphthene	Bis (2-chloroethoxy) methane	Phenanthrene
Acrolein	Methylene chloride (dichloromethane)	1,2,5,6-dibenzanthracene
Acrylonitrile	Methyl chloride (chloromethane)	(dibenzo(a,h)anthracene)
Benzene	Methyl bromide (bromomethane)	Indeno(1,2,3-cd)pyrene (2,3-
Benzidine	Bromoform (tribromomethane)	o-phenylene pyrene)
Carbon tetrachloride	Dichlorobromomethane	Pyrene
(Tetrachloromethane)	Chlorodibromomethane	Tetrachloroethylene
Chlorobenzene	Hexachlorobutadiene	Toluene
1,2,4-trichlorobenzene	Hexachlorocyclopentadiene	Trichloroethylene
Hexachlorobenzene	Isophrone	Vinyl chloride
1,2,-dichloroethane	Naphthalene	(chloroethylene)
1,1,1-trichloroethane	Nitrobenzene	Aldrin
Hexachloroethane	Nitrophenol	Dieldrin
1,1,-dichloroethane	2-nitrophenol	Chlordane (technical mixture
1,1,2-trichloroethane	4-nitrophenol	and metabolites)
1,1,2,2-tetrachloroethane	2,4-dinitrophenol	4,4-DDT
Chloroethane	4,6-dinitro-o-cresol	4,4-DDE (p,p-DDX)
Bis (2-chloroethyl) ether	N-nitrosodimethylamine	4,4-DDE (p,p-TDE)
2-chloroethyl vinyl ether (mixed)	N-nitrosodiphenylamine	Alpha-endosulfan
2-chloronaphthalene	N-nitrosodi-n-propylamine	Beta-endosulfan
2,4,6-trichlorophenol	Pentachlorophenol	Endosulfan sulfate
Parachlorometa cresol	Phenol	Endrin
Chloroform (trichloromethane)	Bis (2-ethylhexyl) phthalate	Endrin aldehyde
2-chlorophenol	Butyl benzyl phthalate	Heptachlor
1,2-dichlorobenzene	Di-n-butyl phthalate	Heptachlor epoxide (BHC-
1,3-dichlorobenzene	Di-n-octyl phthalate	hexachlorocyclohexane)
1,4-dichlorobenzene	Diethyl phthalate	Alpha-BHC
3,3-dichlorobenzidine	Dimethyl phthalate	Beta-BHC
1,1-dichloroethylene	1,2-benzanthracene	Gamma-BHC
1,2-trans-dichloroethylene	(benzo(a)anthracene)	Delta-BHC
2,4-dichlorophenol	Benzo(a)pyrene (3,4-benzopyrene)	(PCB-polychlorinated
1,2-dichloropropane (1,3-	3,4-Benzofluoranthene	biphenyls)
dichloropropene)	(benzo(b)fluoranthene)	PCB-1242 (Arochlor 1242)
2,4-dimethylphenol	11,12-benzofluoranthene (benzo(k)-	PCB-1254 (Arochlor 1254)
2,4-dinitrotoluene	fluoranthene)	PCB-1221 (Arochlor 1221)
2,6-dinitrotoluene	Chrysene	PCB-1232 (Arochlor 1232)
1,2-diphenylhydrazine	Acenaphthylene	PCB-1248 (Arochlor 1248)
Ethylbenzene	Anthracene	PCB-1260 (Arochlor 1260)
Fluoranthene	1,12-benzoperylene (benzo(ghi)-	PCB-1016 (Arochlor 1016)
4-chlorophenyl phenyl ether	perylene)	Toxaphene
4-bromophenyl phenyl ether	Fluorene	2,3,7,8-tetrachlorodibenzo-p-
Bis (2-chloroisopropyl) ether		dioxin (TCDD)