



Preliminary Effluent Limit Review Request

EAO Effluent Limits Unit

Doc Type: Effluent Limit Standards Review

Purpose: This form is required for all preliminary effluent limit requests for:
 1) new facilities with a surface water discharge; 2) where the design flow, outfall location, or quality of the effluent is changing for an existing facility with a surface water discharge; or 3) changes to treatment type that would impact quality of the effluent.

MPCA Use Only
MN
Application number
Date received

Complete application by typing or printing in black ink.
Instructions on page 3.

Contact Information

- 1. Engineer or consultant or requester** Employer/Company: _____
 Name: _____ Title: _____
 Mailing address: _____
 City: _____ State: _____ Zip code: _____
 Phone: _____ Fax: _____ E-mail: _____
- 2. Permittee or Facility**
 Name: _____ County: _____
 City: _____ State: _____ Zip code: _____
 NPDES/SDS Permit #: _____ (complete only for existing permitted facilities)
 Address of facility (if known): _____

Facility Information (If more space is needed, attach additional page(s) to the request.)

- 3. Reason for request:** (Describe in detail: design flow, outfall locations, and/or changes to treatment type impacting the quality of the effluent.)

4. Identify design flows and waste flow type for the proposed facility:

See the Minnesota Pollution Control Agency (MPCA) Web site regarding Design Flow and Loading Determination Guidelines for Wastewater Treatment Plants at: www.pca.state.mn.us/index.php/water/water-types-and-programs/wastewater/wastewater-technical-assistance/wastewater-engineering/technical-information.html.

For domestic wastewater facilities only

Average Wet Weather Design Flow: _____ mgd (million gallons/day)
 Average Dry Weather Design Flow: _____ mgd (million gallons/day)
 Waste Flow Type: Continuous Controlled

For industrial and other wastewater facilities only

Maximum Daily Design Flow: _____ mgd (million gallons/day)
 Average Daily Design Flow: _____ mgd (million gallons/day)
 Waste Flow Type: Continuous Controlled Periodic/Seasonal Intermittent

Waste flow type: A description of the discharge type

Continuous: Continuous, year-round discharge where flows occur without interruption throughout operating hours of the facility, except for infrequent shutdowns for maintenance, process changes, or other similar activities (40 CFR 122.2). Most domestic mechanical facilities are considered to have continuous discharges.

Controlled: Discharge permitted during pre-defined periods or windows which are generally during periods of higher receiving water flow and lower temperatures. For northern MN [MPCA regions I, II, III] these periods are 3/1-6/30 and 9/1-12/31. For southern MN [MPCA regions IV, V, Metro] these periods are 3/1-6/15 and 9/15-12/31. These discharges are almost exclusively stabilization ponds with controlled discharges in spring and fall.

Intermittent: Discharge that occurs sometimes, but not regularly (40CFR pt.122). Intermittent discharges occur infrequently and/or for short durations. Examples include water treatment plants with backwash discharge such as once every ten days or a few hours every week, and stormwater detention ponds with discharges that are precipitation dependent.

Periodic/Seasonal: Discharge that occurs regularly, but is not continuous all year, where discharge is intentional at specified times following treatment (e.g., monthly or seasonally) and of longer duration, as opposed to the short duration of intermittent discharges (40CFR 122). Examples include canning facilities that discharge process wastewater continuously during packing season (May-Sep or other months) and quarries and gravel mining operations. This excludes stabilization ponds with pre-defined discharge periods or windows.

5. Facility description: (Provide a description of the proposed wastewater treatment facility, including the type of treatment units.)

6. Wetland impacts: (For new or expanded discharges, will construction or operation of the proposed facility result in wetland filling, drainage, excavation, or permanent inundation?) Yes No If yes, please provide the following information:

- a. Location of impacted wetland: _____
- b. Acreage of impacted wetland: _____
- c. Wetland type/classification: _____

(See U.S. Fish and Wildlife Service National Wetlands Inventory at www.fws.gov/wetlands/index.html.)

7. Is the facility located on tribal land? Yes No

If yes, also contact U.S. Environmental Protection Agency (EPA) Region V, John Coletti 312-886-6106.

8. Identify all wastewater facility locations for which preliminary effluent limits are requested:

County:		City/Township:		
Township (26-71 or 101-168)	Range (1-51)	Section (1-36)	¼ Section (NW, NE, SW, SE)	¼ of ¼ Section (NW, NE, SW, SE)
T N	R <input type="checkbox"/> E <input type="checkbox"/> W			

County:		City/Township:		
Township (26-71 or 101-168)	Range (1-51)	Section (1-36)	¼ Section (NW, NE, SW, SE)	¼ of ¼ Section (NW, NE, SW, SE)
T N	R <input type="checkbox"/> E <input type="checkbox"/> W			

County:		City/Township:		
Township (26-71 or 101-168)	Range (1-51)	Section (1-36)	¼ Section (NW, NE, SW, SE)	¼ of ¼ Section (NW, NE, SW, SE)
T N	R <input type="checkbox"/> E <input type="checkbox"/> W			

Existing/Proposed Surface Water Discharge

9. Identify all surface water discharge locations for which preliminary effluent limits are requested:

Complete the table for each surface water discharge point. If this is an existing facility, refer to the current National Pollutant Discharge Elimination System/State Disposal System (NPDES/SDS) Permit for Station ID. For new facilities, enter as much information as available. If more space is needed for additional stations, attach additional pages.

The location of a surface water discharge is defined as the location where a wastewater discharge enters a surface water (not where the pipe leaves the wastewater facility structure). If a pipe extends out into a river or lake, the location is identified where the pipe leaves the shore and enters the body of water. If the discharge is to a tile line or storm sewer the location is identified where the tile line or storm sewer enters a surface water. If the discharge is into an open ditch or ravine, the location is identified as the point where the discharge leaves the pipe and enters the open ditch.

Station ID: SD

Township (26-71 or 101-168)	Range (1-51)	Section (1-36)	¼ Section (NW, NE, SW, SE)	¼ of ¼ Section (NW, NE, SW, SE)
T N	R <input type="checkbox"/> E <input type="checkbox"/> W			
Latitude	Longitude	Datum	Coordinate Collection Method	

Receiving Water Name: _____

Station ID: SD

Township (26-71 or 101-168)	Range (1-51)	Section (1-36)	¼ Section (NW, NE, SW, SE)	¼ of ¼ Section (NW, NE, SW, SE)
T N	R <input type="checkbox"/> E <input type="checkbox"/> W			
Latitude	Longitude	Datum	Coordinate Collection Method	

Receiving Water Name: _____

Surface water discharge locations for which preliminary effluent limits are requested - *continued*:

Station ID: SD

Township (26-71 or 101-168)	Range (1-51)	Section (1-36)	¼ Section (NW, NE, SW, SE)	¼ of ¼ Section (NW, NE, SW, SE)
T N	R <input type="checkbox"/> E <input type="checkbox"/> W			
Latitude	Longitude	Datum	Coordinate Collection Method	

Receiving Water Name:

Attachments

Did you attach a map?

Attach a map, U.S. Geological Survey topographic map (7.5 minute series) or other map of comparable detail that shows surface water bodies, roads, and other pertinent landmarks. The map should show and label the exact location of the existing or proposed facility, and the location of all existing and proposed wastewater discharge points into receiving waters. Mark and label all surface water discharge locations at the point where the wastewater enters the receiving water. If the discharge is to a tile line or storm sewer, label the tile line or storm sewer and show its flow path to the receiving water.

Note: Please ensure this form and all applicable attachments are complete. **Please make a copy for your records.**

Application Fee

An application fee is required under Minn. Stat. § 116.07, subd. 4d (1990) and Minn. R. ch. 7002 (Permit Fee Rules). This application fee must be submitted with the application. The current application fee is \$1,550 with the dollar amount determined by point assignments contained in the Permit Fee Rules. Please refer to the application fee table located at www.pca.state.mn.us/water/permits/permit-fees.html.

Submittal

Requests that are submitted without the required fee and attachments will be returned. Please make your check payable to the Minnesota Pollution Control Agency. Send the completed request, attachments, and check to:

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

Contact Information

If you have questions or need further assistance, contact Katrina Kessler at 651-757-2490 or Carol Sinden at 651-757-2727 Effluent Limits Unit, Environmental Analysis and Outcomes Division.

Instructions

Surface water discharge location example:

Station ID: SD 1

Township (26-71 or 101-168)	Range (1-51)	Section (1-36)	¼ Section (NW, NE, SW, SE)	¼ of ¼ Section (NW, NE, SW, SE)
T 109 N	R 28 <input type="checkbox"/> E <input checked="" type="checkbox"/> W	5	NW	NW
Latitude	Longitude	Datum	Coordinate Collection Method	
44.271062	-94.180317	NAD83	DOQ (aerial photo)	

Receiving Water: *County Ditch 4*

A datum for latitude/longitude should be specified. For latitude/longitude coordinates, this will either be NAD83 or WGS84 (the default on most GPS units). NAD83 is preferred.

For latitude/longitude indicate the method of collection and the date of collection. Methods of collection include:

- GPS – Survey Quality
- GPS – Recreational Receiver WAAS enabled (Real Time Differential Corrected)
- GPS – Recreational Receiver Uncorrected
- GPS – Unknown
- Digitized – Web Map Google / Yahoo / Microsoft
- Digitized – Digital Raster Graph (DRG) (USGS 7.5 min topographic map 1:24,000 scale)
- Digitized – Digital Ortho Quad (DOQ) (USGS aerial photo 1:24,000 scale)