



**Minnesota Pollution  
Control Agency**

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

# Project Priority List (PPL)

## Wastewater Existing Facility Improvements

### Scoring Worksheet

Minnesota Rule Chapter 7077.0117

**Office use only**

Project Number
Staff Engineer
Total Points
Date

### Facility Information (please print)

Project name: \_\_\_\_\_  
 Applicant name  
 (if different): \_\_\_\_\_  
 Contact name: \_\_\_\_\_ Title: \_\_\_\_\_  
 E-mail address: \_\_\_\_\_ Phone: \_\_\_\_\_

### Instructions

This worksheet is used to score all requests for state financial assistance for wastewater improvement projects for Minnesota Pollution Control Agency (MPCA) permitted facilities. Scoring is based on the environmental criteria contained in Minnesota Rule Chapter 7077. The result of scoring is a ranked list called the Project Priority List (PPL) from which projects will be selected for funding.

Applicants must complete their sections of the worksheet and submit it with their requests for placement on the PPL. As part of completing the worksheet, the applicant must provide sufficient documentation to support the award of points. Complete application information is located on the MPCA Web site at [www.pca.state.mn.us/water/wpcrf-psource.html](http://www.pca.state.mn.us/water/wpcrf-psource.html).

Complete this form if your proposal includes improvements to wastewater collection and/or treatment facilities that have an existing National Pollutant Discharge Elimination System (NPDES) Permit or a State Disposal System (SDS) Permit.

### Applicant completes questions 15-40 and 85; MPCA completes 45-80, 90-95

**Points**

#### [15] Existing and proposed stabilization ponds located in karst areas and SDS facilities with high ground water table [subp. 6]

- 15.1 Does this project replace or rehabilitate stabilization ponds located over karst areas? ☐ Yes ☐ No
- 15.2 Does this project replace or rehabilitate wastewater treatment facilities having a disposal site (spray irrigation, rapid infiltration etc.) with less than three feet of vertical separation from the treated wastewater discharge point to the seasonally high ground water table or to bedrock? ☐ Yes ☐ No

**If Yes to either 15.1 or 15.2, enter 20 points**

#### [20] Existing facility at or above 85 percent capacity [subp. 1]

**Complete 20.1** if project improves only the treatment facility or improves both the treatment facility and the collection facilities.

- 20.1 Is this treatment facility at or above 85 percent of either its permitted hydraulic flow or organic loading capacity as determined by the last 12 month average wet weather flow (AWW) or average annual discharge, **and** will the project proposal appropriately resolve capacity issues either through expansion of treatment capacity or reduction of loadings? ☐ Yes ☐ No

Permitted hydraulic and/or organic loading capacity: \_\_\_\_\_

Actual hydraulic and/or organic loading capacity: \_\_\_\_\_

**Complete 20.2** if project improves only the collection facilities.

- 20.2 Is this collection facility at or above 85 percent of the design peak instantaneous wet weather flow (PIWW) or provide documentation of other physical conditions, such as by-passing to show the peak flow has exceeded the design PIWW, **and** will the project proposal appropriately resolve capacity issues through expansion of collection facility capacity? ☐ Yes ☐ No

Design PIWW: \_\_\_\_\_

Documented peak flow: \_\_\_\_\_

**If Yes to either 20.1 or 20.2, enter 5 points**

Project Name:

Points

**[25] Existing age of treatment or collection facilities within the proposed project service area [subp. 2]**  
(Age is determined by the construction year of all or a substantial portion of the existing facility addressed by project.)

25.1 Last significant construction year of treatment or collection facilities, which are proposed to be repaired or replaced within the service area? ☐ Yes ☐ No

Enter Year: \_\_\_\_\_

25.2 Are the facilities 20 years or more old? If yes, attach documentation of last significant construction year. ☐ Yes ☐ No

If Yes, enter 20 points

**[30] Existing excessive infiltration/inflow (i/i) with proposed reduction plan [subp. 3]**

30.1 Does this facility have excessive infiltration or inflow? (Minn. R. 7077.0105, subp. 12 and 13)

Calculate infiltration: \_\_\_\_\_ gallon/capita/day

Greater than 120 gallon/capita/day? ☐ Yes ☐ No

Calculate inflow: \_\_\_\_\_ gallon/capita/day

Greater than 275 gallon/capita/day? ☐ Yes ☐ No

30.2 Does the proposal include measures to correct excessive infiltration or inflow? ☐ Yes ☐ No

If Yes, enter 15 points

**[35] Existing or proposed land (including sub-surface) discharge [subp. 4]**

35.1 Does the facility currently land discharge treated wastewater effluent, will it continue to land discharge, **and** not create or contribute to known ground water nitrate levels over 10 mg/L? ☐ Yes ☐ No

35.2 Does the proposed alternative call for the consumptive use (nitrogen or volume) spray irrigation or on-land disposal systems, that are required by permit to denitrify (nitrate limit)? ☐ Yes ☐ No

If Yes to either 35.1 or 35.2, enter 20 points

**[40] Existing stringent limit that exceeds secondary treatment [subp. 5]**

40.1 Is the existing facility currently subject to CBOD or TSS permit limits that are more stringent than secondary treatment (25 mg/l and 30 mg/l), or has an ammonia, total nitrogen or phosphorus limit? (Minn. R. 7050.0211) Exclude facilities discharging to Class 7 waters that are subject to 15 CBOD. ☐ Yes ☐ No

If Yes, enter 10 points

**[45] Existing effluent discharge violations (Enforcement staff) [subp. 7]**

45.1 Is the existing facility on the Significant Noncompliance List (CFR, title 40, section 123.45, appendix A) **and** would the proposed project designed to eliminate the problem? ☐ Yes ☐ No

If Yes, enter 5 points

**[50] Existing repeated facility failures (Enforcement staff) [subp. 8]**

50.1 Has the existing treatment or collection facility experienced bypasses, overflows and/or surcharges during two or more storm events within a 12-month period when operating at less than "peak instantaneous wet weather flow" **and** is the proposed project designed to eliminate such failures? ☐ Yes ☐ No

If Yes, enter 10 points

**[55] Existing discharge to outstanding resource value water (ORVW) or impaired water (Effluent Limits Coord.) [subp. 9]**

55.1 Does the existing facility currently discharge into an ORVW or Impaired water? ☐ Yes ☐ No

If Yes, enter 5 points

55.2 If yes, does the existing facility also have existing acute/chronic effluent discharge standards violations? (see question 45.1 or subp. 7)? ☐ Yes ☐ No

If Yes to both 55.1 and 55.2, enter 5 points

55.3 If yes, does the existing facility also have existing chronic failures? (see question 50.1 or subp. 8) ☐ Yes ☐ No

If Yes to 55.1, 55.2, and 55.3, enter 5 points

**[60] Existing discharge near potable water intake (Effluent Limits Coordinator) [subp. 10]**

60.1 Is there potable water intake within 25 miles downstream of the existing facility discharge? ☐ Yes ☐ No

If Yes, enter 5 points

Project name:

Points

**[65] Existing endangered or threatened species** (*Effluent Limits Coordinator*) [subp. 11]

- 65.1 Does the receiving water downstream from the existing facility discharge support any endangered or threatened species? ☐ Yes ☐ No

If Yes, enter 5 points

**[70] Proposed introduction of more stringent discharge limits for an existing facility** (*Effluent Limits Coordinator*) [subp. 12]

Does this existing treatment facility need to meet more intensive and/or extensive wastewater treatment standards because of:

- 70.1 More stringent facility discharge limits as incorporated into MPCA permit revisions? ☐ Yes ☐ No
- 70.2 Discontinuation of an existing permit variance? ☐ Yes ☐ No
- 70.3 Need to treat additional hydraulic or organic loading capacities without increasing either the permitted frozen effluent mass limit or concentration of discharges to the receiving waters? ☐ Yes ☐ No

If Yes to 70.1, 70.2 or 70.3, enter 10 points

**[75] Existing receiving water classification** (*Effluent Limits Coordinator*) [subp. 13]

Only the most strict classification can be used, 7 points maximum

- 75.1 Receiving water classification is 2A ☐ Yes ☐ No

If Yes to 75.1, enter 7 points

- 75.2 Receiving water classification is 1, 2Bd ☐ Yes ☐ No

If No to 75.1 and Yes to 75.2, enter 5 points

- 75.3 Receiving water classification is 2B, 2C, 2D ☐ Yes ☐ No

If No to 75.1 and 75.2 and Yes to 75.3, enter 3 points

- 75.4 Receiving water classification is 7 ☐ Yes ☐ No

If No to 75.1, 75.2 and 75.3 and Yes to 75.4, enter 1 point

**[80] Project facility effluent to stream impact dilution ratio** (*Effluent Limits Coordinator*) [subp. 14]

For all discharges to rivers, streams, or ditches (flowing receiving water), calculate the facility effluent low flow by averaging the influent flow reported on the monthly discharge monitoring reports (DMRs) for the three consecutive months with the lowest **influent** flow in three climatic years, April 1 to March 31.

- 80.1 What is the ratio of the **influent** low flow of the facility to the 7Q10 flow of the receiving water?

Dilution Ratio\* = Wastewater Treatment Facility (WWTF) Low Flow (million gallons per day [mgd])  
/ Receiving water low flow (mgd)

( \_\_\_\_\_ mgd / \_\_\_\_\_ mgd = Dilution Ratio )

Dilution Ratio =

\*For all "Dilution Ratios" greater than 1.0 or if the 7Q10 receiving water flow = 0 mgd set dilution ratio = 1.0

**NOTE: Round up calculated value for dilution ratio to the next whole number (e.g., 8.3 = 9). 15 x dilution ratio =**

**[85] Proposed project implements corrective measures** (*Effluent Limits Coordinator*) [subp. 15]

- 85.1 Will this project implement corrective measure(s) for problems identified in a diagnostic study, such as a Clean Water Partnership Phase 1 study, an impaired water assessment, an U.S. Environmental Protection Agency (EPA) approved Watershed Restoration Action Strategy or an equivalent study, such as a County Water Plan? ☐ Yes ☐ No

Type of Study: *Attach supporting documentation and identify relevant sections.*

If Yes, enter 5 points

**[90] Proposed project helps meet a total maximum daily load (TMDL) for a receiving water** (*Effluent Limits Coord*) [subp. 16]

- 90.1 Does this project contribute to the achievement of a TMDL by being designed to reduce the discharge of pollutants as required by an Agency approved TMDL implementation plan or does the project require an National Pollutant Discharge Elimination System (NPDES) Permit or State Disposal System (SDS) Permit that will require the reduced discharge of pollutants based on a TMDL? ☐ Yes ☐ No

If Yes, enter 20 points

**Project name:**

**Points**

**[95] Propose project points reduction for new/expanded discharges into specified waters** (*Effluent Limits Coord*) [subp. 17]

95.1 Does the proposed project involve a new or expanded discharge\* to one or more of the following ☐ Yes ☐ No specified waters?

- a) Outstanding Resource Value Waters (Minn. R. 7050.0180)
- b) Impaired waters (Section 303(d) of the Clean Water Act)
- c) Classification 2A, lake, or wetland that exceeds 200,000 gallons per day

\* If new permit requirements include frozen effluent mass limits from the existing permit, the facility is not defined as expanding and negative points will not be assigned.

If Yes, enter minus 5 points

**Total**

**For more information, contact:**

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