

CHAPTER 7050
MINNESOTA POLLUTION CONTROL AGENCY
WATER QUALITY DIVISION
WATERS OF THE STATE

7050.0210 STANDARDS FOR DISCHARGERS
 TO WATERS OF THE STATE

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[For text of subs 1 to 5, see M.R. 1985]

Subp. 6. **Minimum secondary treatment.** It is herein established that the agency shall require secondary treatment as a minimum for all municipal sewage and biodegradable industrial or other wastes to meet the adopted water quality standards. A comparable high degree of treatment or its equivalent also shall be required of all nonbiodegradable industrial or other wastes unless the discharger can demonstrate to the agency that a lesser degree of treatment or control will provide for water quality enhancement commensurate with present and proposed future water uses and a variance is granted under the provisions of the variance clause. Secondary treatment facilities are defined as works which will provide effective sedimentation, biochemical oxidation, and disinfection, or the equivalent, including effluents conforming to the following:

Substance or Characteristic	Limiting Concentration or Range*
5-Day carbonaceous biochemical oxygen demand*	25 milligrams per liter
Fecal coliform group organisms ***	200 organisms per 100 milliliters
Total suspended solids*	30 milligrams per liter
Oil	Essentially free of visible oil
Phosphorus**	1 milligram per liter
Turbidity	25
pH range	6.0 - 9.0
Unspecified toxic or corrosive substances	None at levels acutely toxic to humans or other animals or plant life, or directly damaging to real property.

*The arithmetic mean for concentrations of five-day carbonaceous biochemical oxygen demand and total suspended solids shall not exceed the stated values in any calendar month and 45 milligrams per liter in any calendar week.

**Where the discharge of effluent is directly to or affects a lake or reservoir, removal of nutrients from all wastes shall be provided to the fullest practicable extent wherever sources of nutrients are considered to be actually or potentially detrimental to preservation or enhancement of the designated water uses

***Disinfection of wastewater effluents to reduce the levels of fecal coliform organisms to the stated value is required from March 1 through October 31 (Class 2 waters) and May 1 through October 31 (Class 7 waters) except that where the effluent is discharged 25 miles or less upstream of a water intake supplying a potable water system, the reduction to the stated value is required year around. The stated value is not to be exceeded in any calendar month as determined by the logarithmic mean of all the samples collected in a given calendar month. The application of the fecal coliform group organism standards shall be limited to

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sewage or other effluents containing admixtures of sewage and shall not apply to industrial wastes except where the presence of sewage, fecal coliform organisms, or viable pathogenic organisms in such wastes is known or reasonably certain. Analysis of samples for fecal coliform group organisms by either the multiple tube fermentation or the membrane filter techniques is acceptable.

[For text of subps 6a to 18, see M R 1985]

Statutory Authority: *MS s 115 03 subd 1 cl (e), 115 44 subds 4,5 cl (e)*

History: *9 SR 2756*