

1 Pollution Control Agency

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3 Adopted Rule Relating to Water Quality, Fecal Coliform Effluent
4 Limitations

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6 Rule as Adopted

7 7050.0210 STANDARDS FOR DISCHARGERS TO WATERS OF THE STATE.

8 Subpart 1. to 5. [Unchanged.]

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

23 Substance or Characteristic	Limiting Concentration or Range*
25 5-Day carbonaceous biochemical 26 oxygen demand*	25 milligrams per liter
27 Fecal coliform group 28 organisms ***	200 organisms per 100 milliliters
29 Total suspended solids*	30 milligrams per liter
30 Oil	Essentially free of visible oil
31 Phosphorus**	1 milligram per liter
32 Turbidity	25
33 pH range	6.0 - 9.0
34 Unspecified toxic or 35 corrosive substances	None at levels acutely toxic to humans or other animals or plant life, or directly damaging to real property.

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

42 **Where the discharge of effluent is directly to or affects
43 a lake or reservoir, removal of nutrients from all wastes shall

1 be provided to the fullest practicable extent wherever sources
2 of nutrients are considered to be actually or potentially
3 detrimental to preservation or enhancement of the designated
4 water uses.

5 ***Disinfection of wastewater effluents to reduce the
6 levels of fecal coliform organisms to the stated value is
7 required from March 1 through October 31 (Class 2 waters) and
8 May 1 through October 31 (Class 7 waters) except that where the
9 effluent is discharged 25 miles or less upstream of a water
10 intake supplying a potable water system, the reduction to the
11 stated value is required year around. The stated value is not
12 to be exceeded in any calendar month as determined by the
13 logarithmic mean of all the samples collected in a given
14 calendar month. The application of the fecal coliform group
15 organism standards shall be limited to sewage or other effluents
16 containing admixtures of sewage and shall not apply to
17 industrial wastes except where the presence of sewage, fecal
18 coliform organisms, or viable pathogenic organisms in such
19 wastes is known or reasonably certain. Analysis of samples for
20 fecal coliform group organisms by either the multiple tube
21 fermentation or the membrane filter techniques is acceptable.

22 Subp. 6a. to 18. [Unchanged.]