

C = The sum of all the adjusted baseline loads within the applicable jgm stream segment as defined in sub. (1) for publicly-owned point sources calculated in sub. (4) (a).

D = The sum of all the adjusted baseline loads within the applicable stream segment defined in sub. (1) for nonpublicly-owned point sources calculated in sub. (4) (b).

(6) For purposes of determining compliance with water quality related effluent limits, the following conditions shall be met:

(a) For a point source discharging into the lower Fox river from milepoints 40.0 through 19.2, the sum of the actual daily discharges for any 7-consecutive-day-period may not exceed the sum of the daily point source allocation values calculated under sub. (5) for the same 7-consecutive-day-period; and

(b) For any one day period;

1. For a point source discharging into the lower Fox river between milepoints 40.0 through 32.4, the actual discharge may not exceed 135% of the allocation for that day as calculated under sub. (5).

2. For a point source discharging into the lower Fox river between milepoints 32.4 and 19.2, the actual discharge may not exceed 128.9% of the allocation for that day as calculated under sub. (5).

(7) The flow and temperature conditions used to determine compliance with permit effluent limits shall be the representative measurements of the flow averaged over the previous 4 days and temperature of the previous day.

History: Cr. Register, September, 1981, No. 309, eff. 10-1-81.

NR 212.60 Determination of upper Wisconsin river water quality related effluent limitations. Effluent limitations for point sources discharging BOD₅ to the upper Wisconsin river shall be calculated according to the procedures contained in this section. These limitations shall apply from May 1 to October 31 annually.

(1) Determine baseline loads for each point source subject to the waste load allocation.

(a) The baseline load for each publicly-owned point source located between milepoints 205.3 and 171.9 shall be calculated as follows:

$$\text{Baseline Load} = (Q) (8.34) (60)$$

Where Q = The average daily flow for the publicly-owned point source during 1978 expressed in millions of gallons per day.

8.34 = Conversion factor.

60 = Concentration of BOD₅ expressed in milligrams per liter.

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(b) The baseline load for each nonpublicly-owned point source located between milepoints 205.3 and 171.9 shall be calculated as follows:

Baseline Load = (BP¹) (Production)

Where BP¹ = The final best practicable waste treatment effluent limitations for the point source as provided in chs. NR 284 and 285, expressed as pounds of BOD₅ per ton of production. If chs. NR 284 and 285 do not apply, the best practicable waste treatment effluent limitations as determined under ch. NR 217, shall apply.

Production = The annual average off-machine production during 1978 expressed as tons per day.

(c) The baseline load for each publicly-owned point source located between milepoints 235.4 and 271.1 shall be calculated as follows:

Baseline Load = (Q) (8.34) (C)

Where Q = 0.55 million gallons per day for publicly-owned point sources located between milepoints 235.4 and 250.0

4.0 million gallons per day for publicly-owned point sources located between milepoints 250.0 and 260.0.

9.2 million gallons per day for publicly-owned point sources located between milepoints 260.0 and 265.0.

0.1 million gallons per day for publicly-owned point sources located between milepoints 265.0 and 271.1.

Where 8.34 = Conversion factor

Where C = 30 milligrams per liter concentration of BOD₅ for publicly-owned point sources located between milepoints 235.4 and 250.0; and publicly-owned point sources located between milepoints 265.0 and 271.1.

45 milligrams per liter concentration of BOD₅ for publicly-owned point sources located between milepoints 250.0 and 260.0.

60 milligrams per liter concentration of BOD₅ for publicly-owned point sources located between milepoints 260.0 and 265.0.

(d) The baseline load for each nonpublicly-owned point source with best practicable waste treatment effluent limitations of less than 500 pounds per day located between milepoints 271.1 and 235.4 shall be calculated as follows:

Baseline Load = (BPT) (Production)

Where BPT = The final best practicable waste treatment effluent limitations for the point source as provided in chs. NR 284 and 285, expressed as pounds of BOD₅ per ton of production. If chs. NR 284 and 285 do not apply, the best practicable waste treatment effluent limitations as determined under ch. NR 217 shall apply.

Production = The maximum weekly off-machine production during 1979 expressed as tons per day.

(e) The baseline load for each nonpublicly-owned point source with best practicable waste treatment effluent limitations of BOD₅ equal to or exceeding 500 pounds per day located between milepoints 271.1 and 235.4 shall be calculated as follows:

Baseline Load = (BPT) (Production)

Where BPT = The final best practicable waste treatment effluent limitations for the point source as provided in chs. NR 284 and 285, expressed as pounds of BOD₅ per ton of production. If chs. NR 284 and 285 do not apply, the best practicable waste treatment effluent limitations as determined under ch. NR 217 shall apply.

Production = The average weekly off-machine production expressed as tons per day from March to December 1973 for point sources located between milepoints 271.0 and 258.5 and the BPT WPDES permit limits for 1978 for point sources located between milepoints 258.4 and 258.2 and the average weekly off-machine production expressed as tons per day during 1974 for point sources located between milepoints 258.19 and 249.0 and the average weekly off-machine production expressed as tons per day during 1973 plus the woodroom allowance for sources located between milepoints 248.9 and 235.9.

(f) The baseline load for each publicly-owned point source located between milepoints 341.4 and 305.9 shall be calculated as follows:

Baseline Load = (Q) (8.34) (30)

Where Q = The design flow for the publicly-owned point source located between milepoints 341.4 and 313.2 and the year 2000 flow projection for those located between milepoints 313.3 and 305.9 expressed in millions of gallons per day.

8.34 = Conversion factor.

30 = Concentration of BOD_5 expressed in milligrams per liter.

(g) The baseline load for each nonpublicly-owned point source located between milepoints 341.4 and 305.9 shall be calculated as follows:

Baseline Load = (BPT) (Production)

Where BPT = The final best practicable waste treatment effluent limitations for the point source as provided in chs. NR 284 and 285, expressed as pounds of BOD_5 per ton of production. If chs. NR 284 and 285 do not apply, the best practicable waste treatment effluent limitations as determined under ch. 217 shall apply.

Production = The annual average off-machine production during 1978 expressed as tons per day.

(2) Determine the allocation for each point source.

(a) The allocation for each publicly-owned point source located between milepoints 205.3 and 171.9 shall be its baseline load as determined in sub. (1) (a).

(b) The allocation for each nonpublicly-owned point source located between milepoints 205.3 and 171.9 shall be calculated as follows:

Point Source Allocation = $\frac{BL (T)}{D}$

Where BL = The baseline load for the individual point source calculated under sub. (1) (b)

T = The total maximum daily BOD_5 load available for allocation as shown in Table 1-m minus the sum of the point source allocations as determined in par. (a)

D = The sum of the baseline loads for nonpublicly-owned point sources calculated under sub. (1) (b).

For purposes of determining compliance with water quality related effluent limits, the following conditions shall be met:

1. The sum of the actual daily discharges for any 5-consecutive-day-period may not exceed the sum of the daily point source allocation values calculated under the formula for the same 5-consecutive-day-period; and

2. For any one day period, the actual discharge for the point source may not exceed 122.6% of the allocation for that day as calculated under the formula.

(c) 1. The allocation for publicly-owned point sources located between milepoint 235.4 and 250.0 shall be its baseline load as determined under sub. (1) (c).

2. The allocation for publicly-owned point sources located between milepoint 250.0 and 260.0 shall be determined as follows:

a. For the period January 1, 1986 through December 31, 1990, the allocation shall be determined as follows:

$$\text{Point Source Allocation} = (Q) (8.34) (45)$$

Where Q = 3.1 million gallons per day

8.34 = Conversion factor

45 = 45 milligrams per liter concentration of BOD₅

b. For each 5-year period beginning January 1, 1991 through December 31, 2005, the allocation shall be redetermined on the basis of projected flows and the demonstrated treatment capability of the point source. The redetermination shall be made at the time of each 5-year reevaluation under s. NR 212.06 (2). No allocation may exceed the baseline load as determined in sub. (1) (c).

3. The allocation for publicly-owned point sources located between milepoints 260.0 and 265.0 shall be its baseline load as determined in sub. (1) (c) for the period ending December 31, 1985. The allocation to become effective on January 1, 1986 shall be determined at the time of the first 5-year reevaluation under s. NR 212.06 (2).

4. The allocation for publicly-owned point sources located between milepoints 265.0 and 271.1 shall be its baseline load as determined under sub. (1) (c).

(c) The allocation for each publicly-owned point source located between milepoints 271.0 and 235.4 shall be its baseline load as determined under sub. (1) (c).

(d) The allocation for each nonpublicly-owned point source located between milepoints 271.1 and 235.4 with best practicable waste treatment effluent limits of less than 500 pounds of BOD₅ per day shall be its baseline load as determined under sub. (1) (d).

(e) The allocation for each nonpublicly-owned point source located between milepoints 271.1 and 268.5 with best practicable waste treatment effluent limits equal to or exceeding 500 pounds of BOD₅ per day shall be a reduction in its discharge to levels appearing in Table 2-m. For purposes of determining compliance with water quality related effluent limits, the following conditions shall be met:

1. The sum of the actual daily discharges for any 5-consecutive-day period may not exceed the sum of the daily point source allocation values calculated under Table 2-m for the same 5-consecutive-day period.

2. For any one day period, the actual discharge for the point source may not exceed 119.3% of the allocation for that day calculated for those flow/temperature regimes identified as Condition B in Table 2-m or 131.8% of the allocation calculated for those flow/temperature regimes identified as Condition C in Table 2-m. No percentage adjustment shall be made for conditions identified as Condition A in Table 2-m.

(f) The allocation for each nonpublicly-owned point source located between milepoints 258.4 and 258.2 with best practicable waste treatment effluent limits equal to or exceeding 500 pounds of BOD₅ per day shall be a reduction in its discharge to levels appearing in Table 3-m. For purposes of determining compliance with water quality related effluent limits, the following conditions shall be met:

1. The sum of the actual daily discharges for any 5-consecutive-day period may not exceed the sum of the daily point source allocation values calculated under Table 3-m for the same 5-consecutive-day-period.

2. For any one day period, the actual discharge for the point source may not exceed 119.3% of the allocation for that day calculated for those flow/temperature regimes identified as Condition B in Table 3-m or 131.8% of the allocation calculated for those flow/temperature regimes identified as Condition C in Table 3-m. No percentage adjustment shall be made for conditions identified as Condition A in Table 3-m.

(g) The allocation for each nonpublicly-owned point source located between milepoints 258.19 and 249.0 with best practicable waste treatment effluent limits equal to or exceeding 500 pounds of BOD₅ per day shall be a reduction in its discharge to levels appearing in Table 4-m.

(h) The allocation for each nonpublicly-owned point source located between milepoints 248.9 and 235.4 with best practicable waste treatment effluent limits equal to or exceeding 500 pounds of BOD₅ per day shall be a reduction in its discharges to levels appearing in Table 5-m. For purposes of determining compliance with water quality related effluent limits, the following conditions shall be met:

1. The sum of the actual daily discharges for any 5-consecutive-day period may not exceed the sum of the daily point source allocation values calculated under Table 5-m for the same 5-consecutive-day period.

2. For any one day period, the actual discharge for the point source may not exceed 131.8% of the allocation for that day calculated for those flow/temperature regimes identified as Condition C in Table 5-m. No percentage adjustment shall be made for conditions identified as Condition A or B in Table 5-m.

(i) The allocation for each publicly-owned point source located between milepoints 341.4 and 305.9 shall be its baseline load as determined under sub. (1) (f).

(j) The allocation for each nonpublicly-owned point source located between milepoints 341.4 and 313.2 with best practicable waste treatment limits equal to or exceeding 550 pounds of BOD per day shall be a reduc-

tion in its discharge to levels appearing in Table 6-m. For purposes of determining compliance with water quality related effluent limits, the following conditions shall be met:

1. The sum of the actual daily discharges for any 5-consecutive-day period may not exceed the sum of the daily point source allocation values calculated under Table 6-m for the same 5-consecutive-day period.

2. For any one day period, the actual discharge for the point source may not exceed 106.5% of the allocation for that day calculated for those flow/temperature regimes identified as Condition B in Table 6-m. No percentage adjustments shall be made for conditions indentified as Condition A in Table 6-m.

(k) The allocation for each nonpublicly-owned point source located between milepoints 313.19 and 305.9 with best practicable waste treatment limits equal to or exceeding 550 pounds of BOD₅ per day shall be a reduction in its discharge to levels appearing in Table 7-m. For purposes of determining compliance with water quality related effluent limits, the following conditions shall be met:

1. The sum of the actual daily discharges for any 5-consecutive-day period may not exceed the sum of the daily point source allocation values calculated under Table 7-m for the same 5-consecutive-day period.

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TABLE 7-m (cont'd)
LBS PER DAY OF BOD,
(river mile 313.1 to 305.9)
Flow at Tomahawk Dam (cfs)

Flow cfs Temp °F	584 or less	585- 778	779- 972	973- 1166	1167- 1360	1361- 1554	1555- 1942	1943- 2330	2331- 2718	2719- 3106	3107- 3494	3495- 3882	3883- 4270	4271- 4658	4659- 5046	5047- 5434	5435- 5822	5823- 6210	6211 or more
	← OCTOBER →																		
78+	2400	2400	2400	2400	2400	2400	2400	2400	3238	5581	8009	10252	12226	13973	15684	17068	18152	18152	18152
74-77	2400	2400	2400	2400	2400	2400	2854	4283	6844	9457	11900	14044	15989	17636	18152	18152	18152	18152	18152
70-73	2400	2400	2400	2556	3238	3848	4913	7668	10579	13305	15663	17750	18152	18152	18152	18152	18152	18152	18152
66-69	2400	2457	3386	4345	5282	6063	8193	11516	14683	17395	18152	18152	18152	18152	18152	18152	18152	18152	18152
62-65	2712	3806	5084	6362	7498	9060	11942	15677	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152
58-61	3848	5439	7171	8733	10664	12993	16367	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152
54-57	5311	7554	9741	12184	15080	17821	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152
50-53	7341	10409	13604	17239	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152
46-49	10352	14626	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152
42-45	14768	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152
41 or less	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152

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2. For any one day period, the actual discharge for the point source may not exceed 106.5% of the allocation for that day calculated for those flow/temperature regimes identified as Condition B in Table 7-m. No percentage adjustments shall be made for conditions identified as Condition A in Table 7-m.

(3) The flow and temperature conditions used to determine compliance with permit effluent limits shall be the representative measurements of the flow and temperature of the previous day.

History: Cr. Register, September, 1981, No. 309, eff. 10-1-81; emerg. r. and recr. (1) (c) and (2) (c), eff. 8-5-83; r. and recr. (1) (c) and (2) (c), Register, November, 1983, No. 335, eff. 12-1-83.