

(d) The flow reregulation does not interfere with the uses for which the impoundment was authorized.

(2) Flow reregulation may not be used to accommodate new discharges of pollutants either from new point sources or from the expansion of existing point sources.

(3) Flow reregulation may not be accomplished by the construction of new impoundments built for the primary purpose of increasing flows to accommodate pollution loadings.

(4) Flow reregulation may not be accomplished by flow augmentation practices which would increase the overall quantity of surface water in the basin. Prohibited practices include interbasin transfers or ground-water pumping.

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

**NR 212.40 Determination of lower Fox river water quality related effluent limitations.** Effluent limitations for point sources discharging BOD<sub>5</sub> to the lower Fox river shall be calculated according to the procedures contained in this section. These limitations shall apply from May 1 to October 31 annually.

(1) Total maximum daily load for BOD<sub>5</sub>. (a) The total maximum daily BOD loads which are available for allocation to point sources discharging to the lower Fox river between milepoints 40.0 and 32.4 are shown in Table 1-a.

(b) The total maximum daily BOD<sub>5</sub> loads which are available for allocation to point sources discharging to the lower Fox river between milepoints 32.4 and 19.2 are shown in Table 1-b.

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

(a) Publicly-owned point sources between milepoints 40.0 and 19.2. The baseline load expressed in pounds per day for each publicly-owned point source 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 1976 and 1977 expressed in million gallons per day, computed as: 12.09 million gallons per day for the publicly-owned point source located between milepoints 38.0 and 37.0 on the Menasha channel.

1.40 million gallons per day for the publicly-owned point source located between milepoints 36.0 and 35.0.

10.47 million gallons per day for the publicly-owned point source located between milepoints 30.0 and 25.0.

2.99 million gallons per day for the publicly-owned point source located between milepoints 23.0 and 22.0.

8.34 = Conversion factor (lbs./gal.).

60 = Concentration of BOD<sub>5</sub> expressed in milligrams per liter.

(b) Nonpublicly-owned point sources between milepoints 40.0 and 19.2. The baseline load expressed in pounds per day for each nonpublicly-owned point source shall be calculated as follows:

Baseline Load = (BPT) (Production) (0.85)

Where: BPT = The final best practicable waste treatment effluent limitations for the point source as provided in chs. NR 284 and 285, or 217, where applicable expressed in pounds of BOD<sub>5</sub> per ton of production.

Production = The maximum weekly off-machine production during 1973 expressed as tons per day.

0.85 = Adjustment factor to approximate daily average off-machine production.

(3) Determine the reserve capacity adjustment. The reserve capacity for each publicly-owned point source located between milepoints 40.0 and 19.2 shall be calculated as follows:

Reserve Capacity = (P) (124) (8.34) (60)

Where: P = Projected population change for the area between the years 1977 and 2000 expressed in millions of persons.

124 = Projected per-capita waste water flow expressed in gallons per day.

8.34 = Conversion factor (lbs./gal.).

60 = Concentration of BOD<sub>5</sub> expressed in milligrams per liter.

(4) Determine the adjustments to the baseline loads.

(a) The adjusted baseline load for each publicly-owned point source shall be equal to the baseline load for the source calculated in sub. (2) (a) plus the reserve capacity for the same source calculated in sub. (3).

(b) The adjusted baseline load for each nonpublicly-owned point source shall be calculated as follows:

$$\text{Adjusted Baseline Load} = (\text{BL}) - \frac{(\text{BL})}{\text{Total BL}} \times (\text{Total Reserve Capacity})$$

Where: BL = The baseline load for the nonpublicly-owned point source as determined using the procedures in sub. (2) (b)

Total BL = The sum of all the baseline loads for nonpublicly-owned point sources calculated in sub. (2) (b) within the applicable stream segment defined in sub. (1).

Total Reserve Capacity = The sum of all the reserve capacities for publicly-owned point sources calculated in sub. (3) within the applicable stream segment defined in sub. (1).

(c) The adjusted baseline load for publicly-owned and nonpublicly-owned point sources from milepoints 32.4 through 19.2 shall include an incremental addition as follows:

Milepoint	BOD <sub>5</sub> Increment (lb/day)
32.4 - 30.0	591
30.0 - 28.0	1619
28.0 - 26.0	3085
26.0 - 23.0	1710
23.0 - 22.7	565
22.7 - 22.5	2629

(5) Determine the allocation for each point source. The allocation for each point source shall be calculated as follows:

$$\text{Point Source Allocation} = (\text{Adjusted Baseline Load}) \frac{(\text{T})}{\text{C} + \text{D}}$$

Where: Adjusted Baseline Load = The adjusted baseline load for the point source calculated in sub. (4)

T = The applicable total maximum daily BOD<sub>5</sub> load available for allocation as shown in sub. (1)

C = The sum of all the adjusted baseline loads within the applicable 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 138% 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 120.0% 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.

(8) REALLOCATION OF AVAILABLE WASTELOAD ALLOCATIONS. (a) Wasteload allocations may be reallocated under par. (c) when a wasteload allocated permit expires, is revoked or surrendered for the following purposes:

1. Provide for the wasteload needed due to the reactivation of a facility that had closed and made the wasteload available.

2. Provide the wasteload for new production increases by existing dischargers.

3. Provide the wasteload for production by a new discharger.

4. Provide for existing dischargers to raise their existing allocations in the appropriate stream segment towards categorical effluent limitation levels based upon a demonstration of need that the dischargers' treatment facility is incapable of meeting applicable wasteload allocations.

(b) Reallocations shall include an explicit reserve capacity for future new dischargers or future production increases by existing dischargers.

(c) The following procedures shall be used to reallocate available wasteloads:

1. Upon notification by the department of an available wasteload allocation pursuant to par. (a), the designated management agency shall publish a notice of wasteload availability.

2. A 6 month period shall be provided for persons to declare interest in available wasteload allocations.

3. Within 60 days of the end of the 6 month period the designated management agency shall conduct a public meeting regarding the proposed reallocation.

4. The designated management agency shall recommend a reallocation proposal to the department including an explicit reserve capacity.

5. The department shall notify the designated management agency of acceptance or rejection of the recommendation within 6 months.

History: Cr. Register, September, 1981, No. 309, eff. 10-1-81; cr. (8), Register, August, 1985, No. 356, eff. 9-1-85; am. (2) (a) and (b), (3), (5) and (6) (b) 1. and 2., cr. (4) (c), r. and recr. (8), Register, May, 1986, No. 365, eff. 6-1-86.

**NR 212.60 Determination of upper Wisconsin river water quality related effluent limitations.** Effluent limitations for point sources discharging BOD<sub>5</sub> 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:

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

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 (lbs./gal.).

60 = Concentration of BOD<sub>5</sub> expressed in milligrams per liter.

C = Reallocation conversion factor which has a value of 1.0 for the publicly-owned point source located between milepoints 205.3 and 199.4 and a value of 1.18 for the publicly-owned point sources located between milepoints 199.3 and 171.9.

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

$$\text{Baseline Load} = (\text{BPT}) (\text{Production})$$

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<sub>5</sub> 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:

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

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 BOD<sub>5</sub> 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 BOD<sub>5</sub> for publicly-owned point sources located between milepoints 250.0 and 260.0.

60 milligrams per liter concentration of BOD<sub>5</sub> 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:

$$\text{Baseline Load} = (\text{BPT}) (\text{Production})$$

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<sub>5</sub> 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 BOD<sub>5</sub> equal to or exceeding 500 pounds per day located between milepoints 271.1 and 235.4 shall be calculated as follows:

$$\text{Baseline Load} = (\text{BPT}) (\text{Production})$$

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<sub>5</sub> 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:

$$\text{Baseline Load} = (Q) (8.34) (30)$$

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 (lbs/gal.).

30 = Concentration of BOD<sub>5</sub> 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:

$$\text{Baseline Load} = (\text{BPT}) (\text{Production})$$

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<sub>5</sub> 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:

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

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

T = The total maximum daily BOD<sub>5</sub> 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 120.5% 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:



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 BOD<sub>5</sub>

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).

(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 BOD<sub>5</sub> 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 258.5 with best practicable waste treatment effluent limits equal to or exceeding 500 pounds of BOD<sub>5</sub> 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 BOD<sub>5</sub> 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 BOD<sub>5</sub> 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 BOD<sub>5</sub> 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<sub>5</sub> per day shall be a reduction 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 identified 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 BOD<sub>5</sub> 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.

TABLE 1-a  
LBS PER DAY OF BOD<sub>5</sub>  
(river mile 40.0 to 32.4)

Flow at Rapide Croche Dam (cfs) (Previous four day average)

- FLOW (CFS)	750 OR LESS	751 TO 1000	1001 TO 1250	1251 TO 1500	1501 TO 1750	1751 TO 2000	2001 TO 2250	2251 TO 2500	2501 TO 2750	2751 TO 3000	3001 TO 3500	3501 TO 4000	4001 TO 5000	5001 TO 8000	8001 OR MORE
(Previous Day Average)	MAY - JUNE														
86.0 or Greater	12100	12790	13780	14640	15460	16290	17250	18340	19700	21250	23530	24970	27220	39570	47520
82.0 TO 85.0	12980	13810	14920	15920	16940	18080	19400	20920	22640	23200	24350	25530	30150	43000	52580
78.0 TO 81.0	14380	15350	16600	17840	19260	20910	22210	22590	23340	24250	25050	27250	35380	49270	52870
74.0 TO 77.0	15770	16830	18250	19870	21830	22170	22610	23800	24280	24870	26030	31430	39800	52870	52870
70.0 TO 73.0	17130	18270	20050	21940	22020	22460	23710	24180	24880	25730	28790	36160	44190	52870	52870
66.0 TO 69.0	18520	19840	22010	21940	22280	23580	24130	24850	25870	28070	33110	41340	49570	52870	52870
62.0 TO 65.0	20210	22030	21840	22060	23430	24070	24960	26120	29330	33050	40410	46740	52870	52870	52870
58.0 TO 61.0	22310	21780	21820	23270	24050	25240	27350	31390	35860	41830	46940	52870	52870	52870	52870
54.0 TO 57.0	21600	21510	23070	24130	25780	29890	34900	42040	46150	50410	52870	52870	52870	52870	52870
50.0 TO 53.0	21270	22060	24240	26960	33290	39800	47480	52690	52870	52870	52870	52870	52870	52870	52870
46.0 TO 49.0	22110	24290	29350	37710	48610	52870	52870	52870	52870	52870	52870	52870	52870	52870	52870
42.0 TO 45.0	25220	31510	42930	52870	52870	52870	52870	52870	52870	52870	52870	52870	52870	52870	52870
41.0 or Less	36890	48250	52870	52870	52870	52870	52870	52870	52870	52870	52870	52870	52870	52870	52870
	JULY														
86.0 or Greater	11900	11900	11900	11900	11900	11900	13510	15550	18070	20820	22430	22640	23590	27000	34740
82.0 TO 85.0	11900	11900	11900	11900	12340	14340	16600	19080	22050	22520	22690	23460	24590	31450	40630
78.0 TO 81.0	11900	11900	11900	13650	15960	18560	21470	22820	23080	23130	23730	24600	26210	39430	50540
74.0 TO 77.0	11900	12300	14350	16860	19820	21720	23050	23390	23460	24040	24760	26040	31350	48000	52870
70.0 TO 73.0	12960	14490	17200	20430	21670	22050	23350	23850	24480	25060	26080	30170	37300	52870	52870
66.0 TO 69.0	14950	16960	20410	21690	22000	23340	23890	24620	25610	26410	30100	35570	44020	52870	52870
62.0 TO 65.0	17400	20100	21670	21850	23290	23950	24880	26090	28540	31400	35760	42330	52260	52870	52870
61.0 or Less	20740	21680	21670	23210	24050	25320	27800	31120	34570	38040	43500	51580	52870	52870	52870

Register, May, 1986, No. 365



TABLE 1-a (continued)  
 LBS PER DAY OF BOD<sub>5</sub>  
 (river mile 40.0 to 32.4)

Flow at Rapide Croche Dam (cfs) (Previous four day average)															
- FLOW (CFS)	750	751	1001	1251	1501	1751	2001	2251	2501	2751	3001	3501	4001	5001	8001
TEMP °F	OR	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	OR
	LESS	1000	1250	1500	1750	2000	2250	2500	2750	3000	3500	4000	5000	8000	MORE
(Previous Day Average)	OCTOBER														
66.0 or Greater	12890	13610	15330	17810	20920	21000	21280	21780	22650	23730	25830	30120	38610	52870	52870
62.0 TO 65.0	14390	15790	18640	20930	20970	21300	21980	22910	24320	25990	29770	36340	46710	52870	52870
58.0 TO 61.0	16720	19200	20850	20840	21260	22190	23530	25280	28320	31640	36940	45280	52870	52870	52870
54.0 TO 57.0	20190	19610	20580	21210	22530	24490	27630	32020	36260	40660	47790	52870	52870	52870	52870
50.0 TO 53.0	19270	20220	21090	23080	26050	32320	37430	42800	48740	52870	52870	52870	52870	52870	52870
46.0 TO 49.0	19900	20830	23770	29750	38090	45100	52650	52870	52870	52870	52870	52870	52870	52870	52870
42.0 TO 45.0	21110	24340	34110	45940	52870	52870	52870	52870	52870	52870	52870	52870	52870	52870	52870
41.0 or Less	26620	38050	52870	52870	52870	52870	52870	52870	52870	52870	52870	52870	52870	52870	52870

TABLE 1-b  
LBS PER DAY OF BOD<sub>5</sub>  
(river mile 32.4 to 19.2)

		Flow at Rapide Croche Dam (cfs) (Previous four day average)													
- FLOW (CFS)	750 OR TEMP °F	751 TO 1000	1001 TO 1250	1251 TO 1500	1501 TO 1750	1751 TO 2000	2001 TO 2250	2251 TO 2500	2501 TO 2750	2751 TO 3000	3001 TO 3500	3501 TO 4000	4001 TO 5000	5001 TO 8000	8001 OR MORE
(Previous Day Average)		MAY - JUNE													
86.0 or Greater	19530	20420	22080	24040	26140	28260	30320	32250	34310	36350	39600	44250	51010	63910	73520
82.0 TO 85.0	19420	20430	22210	24390	26660	28890	31030	33000	35220	38020	41600	46650	53800	68020	79650
78.0 TO 81.0	19150	20410	22530	25040	27560	29970	32480	35440	38760	41280	44870	51070	59210	75180	91320
74.0 TO 77.0	18870	20380	22960	25780	28460	31830	35330	38750	41510	44240	48790	55300	63740	84040	100580
70.0 TO 73.0	18660	20460	23470	26610	30480	34470	38310	41220	44390	47680	52700	60590	68590	95110	100580
66.0 TO 69.0	18680	20900	24270	28610	33110	37570	40930	44350	48270	51980	57640	65690	75390	100580	100580
62.0 TO 65.0	19050	21620	26390	31540	36770	40720	44820	49180	53430	57720	64970	72530	85540	100580	100580
58.0 TO 61.0	19930	23850	29850	36110	40930	46030	51270	55990	61520	67050	73540	84150	100580	100580	100580
54.0 TO 57.0	22540	27670	35440	41500	48070	54250	60610	67770	73110	79020	88690	100580	100580	100580	100580
50.0 TO 53.0	27120	34180	42260	50880	58700	67790	75380	83010	91490	100580	100580	100580	100580	100580	100580
46.0 TO 49.0	35180	42700	53730	65030	77230	87490	98940	100580	100580	100580	100580	100580	100580	100580	100580
42.0 TO 45.0	46260	56540	72970	90120	100580	100580	100580	100580	100580	100580	100580	100580	100580	100580	100580
41.0 or Less	63960	81400	100580	100580	100580	100580	100580	100580	100580	100580	100580	100580	100580	100580	100580
		JULY													
86.0 or Greater	19410	20220	22000	23990	25710	26170	26980	28180	29240	29780	31330	34160	38470	50880	59440
82.0 TO 85.0	19570	20540	22190	24300	26280	27480	28340	29090	29860	31520	33910	36900	42800	55660	66240
78.0 TO 81.0	19430	20700	22610	24790	26830	28610	30110	31750	33760	35510	38010	43030	49440	64460	79010
74.0 TO 77.0	19460	20690	22950	25250	27350	29900	33050	35410	37540	39570	43590	48790	55230	74500	93610
70.0 TO 73.0	19270	20860	23210	25670	28940	32850	36710	39140	41770	44770	48930	54010	61490	86460	100580
66.0 TO 69.0	19230	21110	23690	27390	31930	36490	39940	43480	46990	50190	50910	59720	69370	100580	100580
62.0 TO 65.0	19500	21570	25470	30620	36130	40270	44530	49080	52330	55260	60080	67690	80270	100580	100580
61.0 or Less	20140	23290	29180	35830	40920	46310	51590	55020	58840	62930	69640	80040	97410	100580	100580

TABLE 1-b (continued)  
LBS PER DAY OF BOD<sub>5</sub>  
(river mile 32.4 to 19.2)

Flow at Rapide Croche Dam (cfs) (Previous four day average)															
- FLOW (CFS)	750 OR LESS	751 TO 1000	1001 TO 1250	1251 TO 1500	1501 TO 1750	1751 TO 2000	2001 TO 2250	2251 TO 2500	2501 TO 2750	2751 TO 3000	3001 TO 3500	3501 TO 4000	4001 TO 5000	5001 TO 8000	8001 OR MORE
(Previous Day Average)	AUGUST														
86.0 or Greater	17100	17820	19550	21660	23750	25630	27250	28660	29950	31130	32730	34200	37550	47950	54910
82.0 TO 85.0	17100	17980	19830	22050	24160	26080	27770	29210	30630	31780	34020	36110	41620	52690	61150
78.0 TO 81.0	17100	18250	20290	22640	24880	26880	28660	30250	32660	35080	37160	41870	47280	60390	73230
74.0 TO 77.0	17100	18430	20740	23240	25590	27710	30360	33520	36040	38390	42230	46740	52860	69620	86960
70.0 TO 73.0	17100	18620	21190	23820	26350	30100	33650	36450	39290	42320	46710	51760	58250	81040	100580
66.0 TO 69.0	17110	19080	21860	24970	29300	33490	36810	40050	43740	47670	51710	56920	65590	94940	100580
62.0 TO 65.0	17560	19750	23220	28190	33180	37130	41120	45370	50290	52990	57310	64230	76010	100580	100580
61.0 or Less	18330	21220	26890	32890	37770	42880	48300	52880	56320	60040	66160	75970	92360	100580	100580
	SEPTEMBER														
86.0 or greater	17100	17100	17100	18950	21280	23430	25440	27290	29040	30650	32770	34940	38300	48160	55220
82.0 TO 85.0	17100	17100	17100	19430	21810	24010	25990	27810	29670	31340	32690	36020	41730	52560	61180
78.0 TO 81.0	17100	17100	17620	20220	22700	25020	27140	29050	30780	32160	35280	40840	46540	59660	73230
74.0 TO 77.0	17100	17100	18250	20960	23540	25940	28140	30320	32850	35340	39370	45460	51770	68700	86890
70.0 TO 73.0	17100	17100	18850	21690	24340	27510	30270	33010	36010	39020	44360	50300	56670	80100	100580
66.0 TO 69.0	17100	17100	19690	22660	26690	30070	33330	36690	40350	44350	49880	55150	63700	94080	100580
62.0 TO 65.0	17100	17520	20730	25590	29710	33590	37660	41850	46850	51040	55250	62160	74200	100580	100580
58.0 TO 61.0	17100	18710	24240	29320	34110	39220	44600	50480	54100	57710	63740	73690	90340	100580	100580
54.0 TO 57.0	17710	22400	28760	34820	41390	48550	54250	58710	63740	69330	78450	92890	100580	100580	100580
50.0 TO 53.0	22010	27710	35520	44320	53280	59620	66000	73280	81330	90010	100580	100580	100580	100580	100580
46.0 TO 49.0	28330	35720	47640	59240	67770	77480	88370	100450	100580	100580	100580	100580	100580	100580	100580
42.0 TO 45.0	38730	50510	66520	79740	94890	100580	100580	100580	100580	100580	100580	100580	100580	100580	100580
41.0 or less	56940	73990	96270	100580	100580	100580	100580	100580	100580	100580	100580	100580	100580	100580	100580

TABLE 1-b (continued)  
LBS PER DAY OF BOD<sub>5</sub>  
(river mile 32.4 to 19.2)

- FLOW (CFS)	Flow at Rapide Croche Dam (cfs) (Previous four day average)														
	750 OR LESS	751 TO 1000	1001 TO 1250	1251 TO 1500	1501 TO 1750	1751 TO 2000	2001 TO 2250	2251 TO 2500	2501 TO 2750	2751 TO 3000	3001 TO 3500	3501 TO 4000	4001 TO 5000	5001 TO 8000	8001 OR MORE
(Previous Day Average)	OCTOBER														
66.0 or Greater	17100	17100	17350	20360	23070	26070	29340	32820	36620	40820	48090	54100	63500	96160	100580
62.0 TO 65.0	17100	17100	18280	22130	25690	29540	33740	37970	43200	48860	53790	61140	73830	100580	100580
58.0 TO 61.0	17100	17100	20910	25210	29930	35110	40550	46650	52270	55950	62210	72590	90220	100580	100580
54.0 TO 57.0	17100	18930	24460	30400	37000	44160	51740	56540	61660	67340	76760	91840	100580	100580	100580
50.0 TO 53.0	18180	23110	30750	39480	49160	56990	63400	70680	78880	87730	100580	100580	100580	100580	100580
46.0 TO 49.0	23260	30400	42140	54620	64450	74170	85110	97250	100580	100580	100580	100580	100580	100580	100580
42.0 TO 45.0	32620	44150	60850	75480	90500	100580	100580	100580	100580	100580	100580	100580	100580	100580	100580
41.0 or Less	50540	66850	90710	100580	100580	100580	100580	100580	100580	100580	100580	100580	100580	100580	100580



TABLE 1-m  
LBS PER DAY OF BOD<sub>5</sub>  
(river mile 205.3 to 171.9)

Flow (cfs)	Previous Day Average Flow at Biron Dam (cfs)									
	999 OR LESS	1000 TO 1199	1200 TO 1499	1500 TO 1999	2000 TO 2499	2500 TO 2999	3000 TO 3999	4000 TO 4999	5000 TO 5999	6000 OR MORE
Temp °F										
<b>MAY - JUNE</b>										
Previous Day Average										
82 or more	14090	19450	24280	32740	43710	56020	57890	109930	126010	126010
78 TO 81	14270	20150	25460	34860	47570	61490	63040	124130	126010	126010
74 TO 77	14430	20840	26730	37330	51730	67770	69550	126010	126010	126010
70 TO 73	15060	22070	28570	40280	56940	76260	78310	126010	126010	126010
66 TO 69	17220	25400	33030	46930	67170	90740	92900	126010	126010	126010
62 TO 65	20420	30380	39740	57380	83000	113150	116070	126010	126010	126010
58 TO 61	25230	37960	50230	73270	107730	126010	126010	126010	126010	126010
54 TO 57	32780	50170	67460	98190	126010	126010	126010	126010	126010	126010
50 TO 53	44980	70700	96520	126010	126010	126010	126010	126010	126010	126010
46 TO 49	65950	105300	126010	126010	126010	126010	126010	126010	126010	126010
42 TO 45	104080	126010	126010	126010	126010	126010	126010	126010	126010	126010
41 or Less	126010	126010	126010	126010	126010	126010	126010	126010	126010	126010
<b>JULY - AUGUST</b>										
82 or more	10220	12730	15260	20280	27850	36910	37990	77790	106430	121800
78 TO 81	10220	13400	16750	23250	32790	44090	45460	95180	126010	126010
74 TO 77	10220	14460	18710	26700	38440	52210	53520	116110	126010	126010
70 TO 73	10770	15940	20990	30630	44740	61400	63240	126010	126010	126010
66 TO 69	13080	19510	25890	37870	55600	76530	78600	126010	126010	126010
62 TO 65	16210	24690	32910	48560	71670	99270	102140	126010	126010	126010
61 or Less	20900	32370	43510	64910	96410	126010	126010	126010	126010	126010
<b>SEPTEMBER - OCTOBER</b>										
82 or more	10220	10220	10220	11890	17810	24650	25520	54880	76010	87260
78 TO 81	10220	10220	10220	14100	21750	30380	31340	69790	97910	113060
74 TO 77	10220	10220	10880	17140	26390	37320	38460	89310	122210	126010
70 TO 73	10220	10220	13270	20940	32350	45880	47080	110380	126010	126010
66 TO 69	10220	12590	17740	27700	42400	59880	61710	126010	126010	126010
62 TO 65	10220	17080	24020	37280	57030	80460	82480	126010	126010	126010
58 TO 61	14260	23670	33250	51710	79170	111910	115150	126010	126010	126010
54 TO 57	20210	34030	47890	74560	114650	126010	126010	126010	126010	126010
50 TO 53	30240	51240	72530	113710	126010	126010	126010	126010	126010	126010
46 TO 49	47330	80810	114710	126010	126010	126010	126010	126010	126010	126010
42 TO 45	78580	126010	126010	126010	126010	126010	126010	126010	126010	126010
41 or Less	126010	126010	126010	126010	126010	126010	126010	126010	126010	126010



TABLE 3-m  
LBS PER DAY OF BOD<sub>5</sub>  
(river mile 258.4 to 258.2)  
Flow at Rothschild Dam (cfs)

Flow cfs Temp °F	980 or less	981- 1220	1221- 1470	1471- 1730	1731- 1990	1991- 2260	2261- 2540	2541- 2830	2831- 3130	3131- 3430	3431- 3780	3781- 4230	4231- 4730	4731- 5250	5251- 5780	5781 or more
	MAY-JUNE															
78 +	1299.	1235.	1284.	1381.	1433.	1493.	1561.	1676.	1794.	1944.	2106.	2332.	2630.	2961.	3375.	3375.
74-77	1189.	1192.	1237.	1355.	1492.	1542.	1678.	1834.	2008.	2211.	2425.	2712.	3098.	3375.	3375.	3375.
70-73	1132.	1188.	1300.	1425.	1486.	1627.	1823.	2017.	2244.	2502.	2772.	3132.	3375.	3375.	3375.	3375.
66-69	1141.	1215.	1353.	1490.	1647.	1843.	2075.	2336.	2621.	2937.	3270.	3375.	3375.	3375.	3375.	3375.
62-65	1164.	1327.	1486.	1669.	1893.	2166.	2477.	2819.	3184.	3375.	3375.	3375.	3375.	3375.	3375.	3375.
58-61	1308.	1493.	1702.	1983.	2315.	2711.	3103.	3375.	3375.	3375.	3375.	3375.	3375.	3375.	3375.	3375.
57 or less	1499.	1748.	2099.	2510.	2979.	3493.	3900.	3375.	3375.	3375.	3375.	3375.	3375.	3375.	3375.	3375.
	JULY-AUGUST															
78 +	1389.	1377.	1477.	1565.	1610.	1679.	1748.	1878.	1991.	2151.	2364.	2528.	2833.	3148.	3375.	3375.
74-77	1313.	1340.	1463.	1553.	1637.	1735.	1859.	2024.	2501.	2393.	2604.	2899.	3278.	3375.	3375.	3375.
70-73	1243.	1304.	1460.	1559.	1669.	1800.	1990.	2191.	2422.	2673.	2939.	3221.	3375.	3375.	3375.	3375.
66-69	1257.	1358.	1508.	1643.	1800.	2004.	2591.	2499.	2784.	3097.	3375.	3375.	3375.	3375.	3375.	3375.
62-65	1278.	1464.	1627.	1811.	2045.	2317.	2628.	2967.	3330.	3375.	3375.	3375.	3375.	3375.	3375.	3375.
58-61	1431.	1622.	1843.	2126.	2455.	2837.	3250.	3375.	3375.	3375.	3375.	3375.	3375.	3375.	3375.	3375.
57 or less	1616.	1884.	2236.	2820.	3121.	3375.	3375.	3375.	3375.	3375.	3375.	3375.	3375.	3375.	3375.	3375.
	SEPTEMBER															
78 +	1013.	1013.	1013.	1013.	1013.	1013.	1090.	1212.	1286.	1529.	1709.	1953.	2277.	2635.	3001.	3375.
74-77	1013.	1013.	1013.	1013.	1091.	1129.	1278.	1453.	1658.	1861.	2124.	2401.	2812.	3233.	3375.	3375.
70-73	1013.	1013.	1013.	1084.	1143.	1274.	1477.	1695.	1937.	2201.	2490.	2865.	3357.	3375.	3375.	3375.
66-69	1013.	1013.	1023.	1160.	1314.	1529.	1777.	2061.	2351.	2684.	3030.	3375.	3375.	3375.	3375.	3375.
62-65	1013.	1013.	1165.	1381.	1612.	1898.	2220.	2579.	2960.	3352.	3375.	3375.	3375.	3375.	3375.	3375.
58-61	1019.	1343.	1417.	1729.	2060.	2449.	2876.	3333.	3375.	3375.	3375.	3375.	3375.	3375.	3375.	3375.
57 or less	1161.	1457.	1823.	2253.	2738.	3266.	3375.	3375.	3375.	3375.	3375.	3375.	3375.	3375.	3375.	3375.
	OCTOBER															
78 +	1013.	1013.	1013.	1013.	1013.	1013.	1013.	1076.	1223.	1402.	1572.	1816.	2131.	2467.	2846.	3241.
74-77	1013.	1013.	1013.	1013.	1013.	1013.	1130.	1322.	1516.	1717.	1938.	2256.	2653.	3075.	3375.	3375.
70-73	1013.	1013.	1013.	1013.	1013.	1163.	1353.	1578.	1809.	2075.	2357.	2735.	3217.	3375.	3375.	3375.
66-69	1013.	1013.	1013.	1040.	1207.	1424.	1669.	1940.	2238.	2564.	2904.	3354.	3375.	3375.	3375.	3375.
62-65	1013.	1013.	1057.	1279.	1513.	1794.	2122.	2467.	2842.	3237.	3375.	3375.	3375.	3375.	3375.	3375.
58-61	1013.	1073.	1321.	1614.	1955.	2346.	2767.	3215.	3375.	3375.	3375.	3375.	3375.	3375.	3375.	3375.
57 or less	1066.	1363.	1731.	2158.	2638.	3166.	3375.	3375.	3375.	3375.	3375.	3375.	3375.	3375.	3375.	3375.



TABLE 5-m  
LBS PER DAY OF BOD<sub>5</sub>  
(river mile 248.9 to 235.4)  
Flow at Rothschild Dam (cfs)

Temp °F	980 or less	981- 1220	1221- 1470	1471- 1730	1731- 1990	1991- 2260	2261- 2540	2541- 2830	2831- 3130	3131- 3430	3431- 3780	3781- 4230	4231- 4730	4731- 5250	5251- 5780	5781- 6340	6341- 6910	6911 or more
	← (A) ← (B) ← MAY-JUNE ← (C) →																	
78 +	6534.	6534.	6397.	4668.	3478.	2474.	2610.	2838.	3074.	3371.	3694.	4142.	4736.	5392.	6101.	6534.	6534.	6534.
74-77	6534.	6534.	4849.	2154.	2473.	2571.	2842.	3153.	3498.	3901.	4328.	4898.	5665.	6476.	6534.	6534.	6534.	6534.
70-73	6534.	5818.	3999.	2806.	2460.	2741.	3130.	3516.	3968.	4480.	5018.	5733.	6534.	6534.	6534.	6534.	6534.	6534.
66-69	6330.	4035.	2923.	2468.	2781.	3171.	3632.	4151.	4717.	5345.	6008.	6534.	6534.	6534.	6534.	6534.	6534.	6534.
62-65	5179.	3370.	2461.	2824.	3270.	3811.	4431.	5111.	5837.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.
58-61	3688.	2473.	2890.	3449.	4108.	4896.	5675.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.
57 or less	2486.	2981.	3680.	4497.	5429.	6451.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.
	JULY-AUGUST																	
78 +	4250.	6534.	6116.	4452.	3191.	2843.	2981.	3240.	3464.	3782.	4086.	4532.	5139.	5764.	6472.	6534.	6534.	6534.
74-77	6534.	6534.	4973.	3165.	2760.	2956.	3202.	3530.	4479.	4264.	4683.	5269.	6024.	6534.	6534.	6534.	6534.	6534.
70-73	6534.	5752.	4024.	3040.	2824.	3084.	3463.	3863.	4321.	4820.	5349.	5909.	6534.	6534.	6534.	6534.	6534.	6534.
66-69	6312.	4738.	3345.	2755.	3085.	3491.	4658.	4474.	5042.	5664.	6311.	6534.	6534.	6534.	6534.	6534.	6534.	6534.
62-65	5326.	3410.	2740.	3099.	3571.	4112.	4731.	5405.	6127.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.
58-61	3756.	2732.	3170.	3733.	4387.	5146.	5969.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.
57 or less	2719.	3252.	3952.	5112.	5710.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.
	SEPTEMBER																	
78 +	4408.	3918.	3346.	2346.	2070.	1640.	1673.	1916.	2062.	2546.	2903.	3390.	4033.	4745.	5472.	6265.	6534.	6534.
74-77	3970.	3540.	2472.	2065.	1674.	1751.	2047.	2394.	2802.	3207.	3728.	4279.	5097.	5934.	6534.	6534.	6534.	6534.
70-73	3088.	2427.	1640.	1665.	1778.	2039.	2442.	2876.	3356.	3881.	4456.	5201.	6181.	6534.	6784.	6534.	6534.	6534.
66-69	3129.	2481.	1884.	1812.	2118.	2546.	3039.	3604.	4181.	4843.	5530.	6429.	6534.	6534.	6534.	6534.	6534.	6534.
62-65	2779.	1887.	1822.	2252.	2710.	3279.	3920.	4634.	5391.	6171.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.
58-61	1790.	2176.	2323.	2944.	3601.	4374.	5224.	6133.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.
57 or less	1815.	2403.	3131.	3986.	4950.	6000.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.
	OCTOBER																	
78 +	1640.	1640.	1640.	1640.	1640.	1640.	1640.	1646.	1937.	2294.	2631.	3117.	3744.	4411.	5164.	5950.	6534.	6534.
74-77	1640.	1640.	1640.	1640.	1640.	1640.	1752.	2134.	2520.	2920.	3359.	3991.	4781.	5620.	6534.	6534.	6534.	6534.
70-73	1640.	1640.	1640.	1640.	1640.	1819.	2195.	2643.	3103.	3632.	4192.	4945.	5902.	6534.	6534.	6534.	6534.	6534.
66-69	1640.	1640.	1640.	1640.	1907.	2337.	2824.	3363.	3956.	4604.	5281.	6175.	6534.	6534.	6534.	6534.	6534.	6534.
62-65	1640.	1640.	1640.	2049.	2515.	3074.	3725.	4410.	5156.	5943.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.
58-61	1640.	1640.	2132.	2749.	3393.	4170.	5007.	5899.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.
57 or less	1640.	2216.	2947.	3796.	4750.	5800.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.	6534.

TABLE 6-m  
LBS PER DAY OF BOD<sub>5</sub>  
(river mile 311.4 to 313.2)  
Flow at Whirlpool Rapids (cfs)

Flow cfs Temp °F	390 or less	391- 520	521- 650	651- 780	781- 910	911- 1040	1041- 1300	1301- 1560	1561- 1820	1821- 2080	2081- 2340	2341- 2600	2601 or more
MAY													
78 +	957.	957.	1304.	2078.	2944.	3929.	5606.	6017.	5734.	6044.	6937.	8223.	9116.
74-77	957.	957.	1796.	2780.	3893.	5160.	6864.	6491.	6819.	7822.	9116.	9116.	9116.
70-73	957.	1231.	2325.	3573.	4986.	6573.	7138.	7366.	8432.	9116.	9116.	9116.	9116.
66-69	957.	1896.	3218.	4749.	6500.	7721.	7831.	8897.	9116.	9116.	9116.	9116.	9116.
62-65	1285.	2689.	4348.	6299.	8095.	8223.	9043.	9116.	9116.	9116.	9116.	9116.	9116.
58-61	1960.	3756.	5953.	8387.	8651.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.
54-57	2881.	5369.	8432.	9052.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.
50-53	4303.	7931.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.
46-49	6691.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.
45 or less	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.
JUNE													
78 +	957.	1185.	1759.	2407.	3145.	3984.	5378.	6655.	6436.	6755.	7621.	8806.	9116.
74-77	957.	1413.	2151.	3017.	3984.	5087.	6910.	7047.	7375.	8350.	9116.	9116.	9116.
70-73	957.	1650.	2607.	3710.	4968.	6381.	7530.	7794.	8824.	9116.	9116.	9116.	9116.
66-69	1185.	2215.	3409.	4795.	6372.	7986.	8186.	9116.	9116.	9116.	9116.	9116.	9116.
62-65	1650.	2935.	4458.	6244.	8277.	8514.	9116.	9116.	9116.	9116.	9116.	9116.	9116.
58-61	2270.	3938.	5971.	8378.	8915.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.
57 or less	3154.	5479.	8332.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.
JULY-AUGUST													
78 +	957.	957.	1158.	1550.	1996.	2480.	3300.	4558.	5160.	5032.	5324.	5962.	6828.
74-77	957.	957.	1486.	2051.	2689.	3400.	4576.	6053.	5916.	6336.	7165.	8323.	9116.
70-73	957.	1149.	1841.	2625.	3482.	4458.	6053.	6627.	7101.	8122.	9116.	9116.	9116.
66-69	957.	1677.	2571.	3583.	4731.	6007.	7411.	7940.	9116.	9116.	9116.	9116.	9116.
62-65	1276.	2315.	3491.	4850.	6372.	7949.	8423.	9116.	9116.	9116.	9116.	9116.	9116.
58-61	1860.	3218.	4831.	6700.	8423.	8925.	9116.	9116.	9116.	9116.	9116.	9116.	9116.
57 or less	2671.	4576.	6883.	8852.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.
SEPTEMBER													
78 +	957.	957.	957.	1459.	2142.	2908.	4011.	5160.	4877.	4895.	5561.	6591.	7949.
74-77	957.	957.	1285.	2088.	2981.	3984.	5679.	5752.	5834.	6591.	7858.	9116.	9116.
70-73	957.	957.	1769.	2789.	3947.	5233.	6646.	6582.	7393.	8843.	9116.	9116.	9116.
66-69	957.	1468.	2598.	3883.	5333.	6965.	7293.	8077.	9116.	9116.	9116.	9116.	9116.
62-65	966.	2206.	3628.	5278.	7156.	7803.	8414.	9116.	9116.	9116.	9116.	9116.	9116.
58-61	1623.	3200.	5096.	7320.	8277.	8852.	9116.	9116.	9116.	9116.	9116.	9116.	9116.
57 or less	2489.	4667.	7320.	8697.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.

TABLE 6-m (cont'd)  
 LBS PER DAY OF BOD<sub>5</sub>  
 (river mile 341.4 to 313.2)  
 Flow at Whirlpool Rapids (cfs)

Flow Temp cfs °F	390 or less	391- 520	521- 650	651- 780	781- 910	911- 1040	1041- 1300	1301- 1560	1561- 1820	1821- 2080	2081- 2340	2341- 2600	2601 or more
	OCTOBER												
78 +	957.	957.	957.	957.	957.	957.	2097.	3610.	4421.	4412.	4950.	6007.	7329.
74-77	957.	957.	957.	1531.	2480.	3254.	4339.	5451.	5451.	6117.	7366.	8979.	9116.
70-73	957.	957.	1531.	2598.	3774.	5096.	6436.	6317.	7056.	8469.	9116.	9116.	9116.
66-69	957.	1249.	2407.	3710.	5196.	6864.	7074.	7794.	9116.	9116.	9116.	9116.	9116.
62-65	957.	2024.	3455.	5141.	7047.	7648.	8186.	9116.	9116.	9116.	9116.	9116.	9116.
58-61	1431.	3027.	4941.	7202.	8141.	8660.	9116.	9116.	9116.	9116.	9116.	9116.	9116.
54-57	2315.	4494.	7183.	8560.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9114.	9116.
50-53	3628.	6837.	8952.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.
46-49	5816.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.
45 or less	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.

TABLE 7-m  
LBS PER DAY OF BOD<sub>5</sub>  
(river mile 313.1 to 305.9)  
Flow at Tomahawk Dam (cfs)

Flow cfs Temp °F	← MAY →														⑥													
	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									
78 +	2400	2400	2599	2712	2868	3039	3280	4374	6433	8733	10962	13064	14967	16472	18152	18152	18152	18152	18152									
74-77	2400	2982	3323	3649	4004	4374	4927	7100	9642	12169	14512	16614	18152	18152	18152	18152	18152	18152	18152									
70-73	2883	3664	4189	4729	5382	5921	7356	10139	13021	15677	18020	18152	18152	18152	18152	18152	18152	18152	18152									
66-69	3834	4572	5382	6262	7143	8094	10423	13760	16884	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152									
62-65	4658	5652	6816	8051	9244	11076	14030	17778	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152									
58-61	5581	7057	8733	10267	12539	14910	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152									
54-57	6844	9017	11161	13959	16912	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152									
50-53	8761	11758	15279	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152									
46-49	11687	16231	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152									
42-45	16273	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									
JUNE																												
78 +	2400	2400	3010	3763	4303	4757	5481	6376	8122	10011	11985	13817	15407	16827	18152	18152	18152	18152	18152									
74-77	2400	2897	4004	4743	5382	5907	6773	8563	10749	12993	15009	16756	18152	18152	18152	18152	18152	18152	18152									
70-73	2400	3919	4970	5822	6603	7228	8591	11119	13689	16046	18091	18152	18152	18152	18152	18152	18152	18152	18152									
66-69	3635	5140	6291	7341	8307	9173	11445	14484	17310	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152									
62-65	4871	6376	7796	9102	10281	12056	14839	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152									
58-61	6063	7895	9699	11303	13476	15776	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152									
57 or less	7498	9983	12255	14924	17750	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152									
JULY-AUGUST																												
78 +	2400	2400	2400	2400	2868	3252	3735	4217	5155	6873	8605	10238	11658	12894	14101	15137	16103	16784	17551									
74-77	2400	2400	2797	3436	3990	4459	5084	5836	7810	9784	11644	13305	14740	15932	17182	18152	18152	18152	18152									
70-73	2400	2911	3791	4544	5254	5836	6617	8406	10693	12808	14697	16344	17778	18152	18152	18152	18152	18152	18152									
66-69	2883	4132	5169	6134	7043	7853	9131	11814	14370	16571	18152	18152	18152	18152	18152	18152	18152	18152	18152									
62-65	4061	5410	6702	7998	9102	10096	12510	15606	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152									
58-61	5240	6930	8634	10210	11672	13703	16586	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152									
57 or less	6646	8960	11161	13234	15805	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152									
SEPTEMBER																												
78 +	2400	2400	2400	2400	2400	2400	2400	2400	4274	6646	8875	11019	12908	14512	16103	17452	18152	18152	18152									
74-77	2400	2400	2400	2400	2400	2670	3280	5155	7696	10196	12539	14626	16458	18152	18152	18152	18152	18152	18152									
70-73	2400	2400	2428	3152	3891	4544	5609	8364	11204	13817	16131	18148	18152	18152	18152	18152	18152	18152	18152									
66-69	2400	2925	3891	4899	5879	6688	8818	12098	15180	17835	18152	18152	18152	18152	18152	18152	18152	18152	18152									
62-65	3081	4232	5552	6873	8051	9628	12496	16188	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152									
58-61	4302	5836	7611	9230	11190	13504	16870	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152									
57 or less	5623	7938	10181	12681	15577	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152									



TABLE 7-m (cont'd)  
 LBS PER DAY OF BOD<sub>5</sub>  
 (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	15634	17068	18152	18152	18152
74-77	2400	2400	2400	2400	2400	2400	2854	4288	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	3380	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	16387	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

DEPARTMENT OF NATURAL RESOURCES  
 NR 212 82-1

Replaced Register, March 1987, # 375

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.

(4) REALLOCATION OF AVAILABLE WASTELOAD ALLOCATIONS. (a) Wasteload allocations may be reallocated under par. (c) when a previously issued wasteload allocated permit expires, is revoked or is voluntarily surrendered. Such reallocation may be accomplished for the following purposes:

1. Provide for the wasteload needed due to the reactivation of a facility that had previously closed and caused the wasteload to become available.

2. Provide for new production increases by existing dischargers.

3. Provide for production by a new discharger.

4. Provide for existing dischargers to raise their existing allocation in the appropriate stream segment towards categorical effluent limitation levels based upon a demonstration of need that the discharger's treatment facility is incapable of meeting applicable wasteload allocations.

(b) Any reallocation shall include explicit reserve capacity for future new dischargers or future production increase by existing dischargers.

(c) Reallocations shall occur according to the following procedure:

1. Upon notification by the department of the availability of a wasteload pursuant to par. (a), the designated management agency shall publish a notice of wasteload availability.

2. A 6-month period shall be provided for persons to declare interest in available wasteload allocations.

3. Within 60 days of the end of the 6 month period the designated management agency shall conduct a public meeting regarding the proposed reallocation.

4. The designated management agency shall recommend a reallocation including an explicit reserve capacity to the department within 30 days of the public meeting.

5. The department shall notify the designated management agency of acceptance or rejection of the recommendation within 6 months.

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; am. (1) (a) and (f), (2) (b) 2., cr. (4), Register, May, 1986, No. 365, eff. 6-1-86.

**NR 212.70 Determination of Peshtigo river water quality related effluent limitations.** Effluent limitations for point sources discharging BOD<sub>5</sub> to the Peshtigo river shall be calculated according to the procedures contained in this section. These limitations shall apply from May 1 to October 31 annually.

Register, May, 1986, No. 365

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

(a) The baseline load for each publicly-owned point source located between milepoints 9.6 and 0.0 shall be calculated as follows:

$$\text{Baseline load} = (Q) (8.34) (60) + (\text{BPT}) (\text{Production})$$

Where Q = The year 2000 flow projection of the domestic contribution of the influent to the treatment plant expressed in millions of gallons per day

8.34 = Conversion factor

60 = Concentration of BOD<sub>5</sub> expressed in milligrams per liter

BPT = The final best practicable waste treatment effluent limitations for the industrial contribution of the influent to the treatment plant as provided in chs. NR 284 and 285 expressed as pounds of BOD<sub>5</sub> 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 January 1 to December 1, 1978 expressed as tons per day

(b) The baseline load for each nonpublicly-owned point source located between milepoints 12.0 and 9.7 shall be calculated as follows:

$$\text{Baseline load} = (\text{BPT}) (\text{Production})$$

Where BPT = The final best practicable waste treatment effluent limitations for the point source which is not discharged to a publicly-owned treatment system as provided in chs. NR 284 and 285 expressed as pounds of BOD<sub>5</sub> 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 January 1 to December 1, 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 9.6 and 0.0 shall be a reduction in its discharge to levels appearing in Table 1-p.

(b) The allocation for each nonpublicly-owned point source located between milepoints 12.0 and 9.6 shall be a reduction in its discharge to levels appearing in Table 2-p.

82-4 WISCONSIN ADMINISTRATIVE CODE  
NR 212

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

History: Cr. Register, May, 1985, No. 353, eff. 6-1-85.

TABLE 1-p  
LBS PER DAY OF BOD<sub>5</sub>  
(river mile 9.6 to 0.0)  
Previous Day Average Flow at Peshtigo (cfs)

FLOW CFS TEMP F	200 LESS	201 260	261 300	301 340	341 400	401 530	531 610	611 800	801 1100	1101 MORE
MAY-JUNE										
78 +	3151	3151	3367	3151	3351	3493	3685	3832	3881	3607
74-77	3220	3506	3820	3624	3930	4220	4281	4281	4281	4281
70-73	3542	3938	4281	4208	4281	4281	4281	4281	4281	4281
66-69	3946	4281	4281	4281	4281	4281	4281	4281	4281	4281
62-65	4281	4281	4281	4281	4281	4281	4281	4281	4281	4281
32-61	4281	4281	4281	4281	4281	4281	4281	4281	4281	4281
JULY										
78 +	3151	3151	3228	3151	3404	3685	4028	4281	4281	4281
74-77	3216	3559	3914	3840	4195	4281	4281	4281	4281	4281
70-73	3689	4142	4281	4281	4281	4281	4281	4281	4281	4281
65-69	4167	4281	4281	4281	4281	4281	4281	4281	4281	4281
62-65	4281	4281	4281	4281	4281	4281	4281	4281	4281	4281
32-61	4281	4281	4281	4281	4281	4281	4281	4281	4281	4281
AUGUST-SEPTEMBER										
78 +	3151	3151	3151	3151	3151	3151	3151	3151	3151	3151
74-77	3151	3151	3391	3151	3408	3599	3857	4085	4281	4281
70-73	3244	3599	3979	3791	4159	4281	4281	4281	4281	4281
66-69	3693	4187	4281	4281	4281	4281	4281	4281	4281	4281
62-65	4281	4281	4281	4281	4281	4281	4281	4281	4281	4281
32-61	4281	4281	4281	4281	4281	4281	4281	4281	4281	4281
OCTOBER										
78 +	3151	3151	3151	3151	3151	3151	3151	3151	3151	3151
74-77	3151	3151	3151	3151	3151	3306	3563	3799	4126	4281
70-73	3151	3395	3755	3530	3877	4216	4281	4281	4281	4281
66-69	3538	4008	4281	4281	4281	4281	4281	4281	4281	4281
62-65	4179	4281	4281	4281	4281	4281	4281	4281	4281	4281
32-61	4281	4281	4281	4281	4281	4281	4281	4281	4281	4281

TABLE 2-p  
LBS PER DAY OF BOD<sub>5</sub>  
(river mile 12.0 to 9.7)  
Previous Day Average Flow at Peshtigo (cfs)

FLOW CFS TEMP F	200 LESS	201 260	261 300	301 340	341 400	401 530	531 610	611 800	801 1100	1101 MORE
MAY-JUNE										
78 +	1787	1814	1940	1787	1895	1972	2095	2185	2258	2042
74-77	1885	2037	2223	2088	2278	2463	2506	2506	2506	2506
70-73	2057	2293	2506	2458	2506	2506	2506	2506	2506	2506
66-69	2301	2506	2506	2506	2506	2506	2506	2506	2506	2506
62-65	2506	2506	2506	2506	2506	2506	2506	2506	2506	2506
32-61	2506	2506	2506	2506	2506	2506	2506	2506	2506	2506
JULY										
78 +	1787	1814	1880	1787	1947	2120	2333	2506	2506	2506
74-77	1895	2067	2275	2220	2451	2506	2506	2506	2506	2506
70-73	2148	2418	2506	2506	2506	2506	2506	2506	2506	2506
65-69	2436	2506	2506	2506	2506	2506	2506	2506	2506	2506
62-65	2506	2506	2506	2506	2506	2506	2506	2506	2506	2506
32-61	2506	2506	2506	2506	2506	2506	2506	2506	2506	2506
AUGUST-SEPTEMBER										
78 +	1787	1787	1787	1787	1787	1787	1787	1787	1787	1787
74-77	1787	1787	1947	1787	1940	2035	2208	2363	2506	2506
70-73	1869	2082	2313	2186	2423	2506	2506	2506	2506	2506
66-69	2140	2446	2506	2506	2506	2506	2506	2506	2506	2506
62-65	2506	2506	2506	2506	2506	2506	2506	2506	2506	2506
32-61	2506	2506	2506	2506	2506	2506	2506	2506	2506	2506
OCTOBER										
78 +	1787	1787	1787	1787	1787	1787	1787	1787	1787	1787
74-77	1787	1787	1807	1787	1787	1822	1985	2153	2393	2506
70-73	1787	1952	2168	2012	2238	2461	2506	2506	2506	2506
66-69	2047	2333	2506	2506	2506	2506	2506	2506	2506	2506
62-65	2441	2506	2506	2506	2506	2506	2506	2506	2506	2506
32-61	2506	2506	2506	2506	2506	2506	2506	2506	2506	2506