

Chapter NR 212

WASTE LOAD ALLOCATED WATER QUALITY RELATED
EFFLUENT LIMITATIONS

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NR 212.01 Purpose. The purpose of this chapter is to establish the procedures, methodologies and requirements to be used by the department for determining total maximum pollutant loadings and corresponding water quality related effluent limitations in accordance with ss. 147.04 (5), 147.05 and 147.25 (3), Stats. Such restrictions are established to attain and maintain the designated uses specified in the water quality standards appearing in chs. NR 102, 103 and 104.

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

NR 212.02 Applicability. (1) The provisions of this chapter are applicable to water quality related effluent limitations for conventional pollutants, ammonia and phosphorus developed through waste load allocations and established under s. 147.05, Stats.

(2) Nothing in this chapter shall in any way inhibit, override, preclude or prevent the department from issuing any permit with toxic effluent limits even if such permit limitations would result in more stringent limitations than provided in this chapter.

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

NR 212.03 Definitions. In addition to the definitions and abbreviations in ss. NR 205.03 and 205.04, the following definitions are applicable to terms used in this chapter:

(1) "Baseline load" means the reference load used in distributing all or part of the total maximum load among multiple point source dischargers to a water quality limited segment.

(2) "Categorical effluent limitation" means a point source effluent limitation for categories and classes of point sources other than publicly-owned treatment works achieved by application of the best practicable control technology currently available, the best conventional pollutant control technology, or the best available technology economically

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achievable as required by s. 147.04 (2), Stats.; or means a point source effluent limitation for a publicly-owned treatment works achieved by application of secondary treatment as required by s. 147.04 (4), Stats.

(3) "Conventional pollutant" means those pollutants identified in section 304 (a) (4) of the federal clean water act amendments of 1977. These pollutants are; biological oxygen demand (BOD), total suspended solids (TSS), pH, fecal coliform and oil and grease.

(4) "Cost-effective analysis" means a systematic comparison of alternative means of meeting state water quality standards, effluent limitations or other treatment standards in order to identify the alternative which will minimize the total resources costs over the appropriate planning period. These resources costs include monetary costs and environmental as well as other nonmonetary costs.

(5) "Critical water quality conditions" means those water conditions upon which are based the most stringent water quality effluent limitations.

(5m) "Designated management agency" means any agency designated in an areawide water quality management plan having responsibility for implementing specific plan recommendations.

(6) "Effluent limitation" whenever used without qualification means any restriction including schedules of compliance, established by the department, on quantities, rates and concentrations of chemical, physical, biological, and other constituents which are discharged from point sources into waters of this state.

(7) "Flow reregulation" means any practice with respect to the available surface waters in a basin that would alter the stream flows from those which would occur under existing regimes.

(8) "Infiltration" means water other than waste water that enters a sewerage system, including sewer service connections, from the ground through such sources as defective pipes, pipe joints, connections, or manholes. Infiltration does not include, and is distinguished from, inflow.

(9) "Inflow" means water other than waste water that enters a sewerage system, including sewer service connections, from sources such as roof leaders, cellar drains, yard drains, area drains, foundation drains, drains from springs and swampy areas, manhole covers, cross connections between storm sewers and sanitary sewers, catch basins, cooling towers, storm waters, surface runoff, street wash waters, or drainage. Inflow does not include, and is distinguished from, infiltration.

(10) "Instream aeration" means techniques which increase the dissolved oxygen content of a receiving water. Those techniques include, but are not limited to, mechanical aeration devices, diffuser systems, and turbine venting.

(11) "Margin of safety" means a portion of the total maximum load which accounts for the uncertainties concerning the relationship between effluent limitations and water quality or provide a greater assurance that the water quality standards will be met. This portion of the total maximum load is not available for allocation to point sources.

temporary reallocation under s. NR 212.11 (2) shall be considered as part of baseline load revisions at the 5 year update.

(2) In proposing revisions to total maximum daily loads or baseline loads in ss. NR 212.40 to 212.70 due to reallocation, the department staff shall consider increases in allocations only for circumstances when:

(a) A new discharger requires a wasteload allocation due to insufficient reserve capacity being available in the applicable stream segment; or

(b) An existing discharger demonstrates to the satisfaction of the department that additional wasteload allocation is required due to a production expansion or municipal growth. The demonstration shall include an analysis of the discharger's current wastewater treatment facility's capability to adequately treat the increased influent. The demonstration shall also include an analysis that the discharger's wastewater treatment facility is adequately maintained and operated at optimal efficiency; or

(c) An existing discharger demonstrates to the satisfaction of the department that additional wasteload allocation is required due to the inability of its wastewater treatment facility to attain existing wasteload allocations. The demonstration shall include an analysis that the discharger has installed appropriate treatment technology and that the current facility is maintained and operated at optimal efficiency.

(d) A reallocation of total maximum daily loads would result in establishment of a reserve capacity through procedures identified in ss. NR 212.40 through 212.70.

(e) Through use of a toxicity test approved by the department, the discharger applying for an increased total maximum daily load demonstrates that such increase will not result in a failure, as defined by the department, of the toxicity test.

History: Cr. Register, May, 1986, No. 365, eff. 6-1-86.

NR 212.07 Allocation for reserve capacity. The allocation for a reserve capacity for a particular stream segment shall be zero unless otherwise specified in ss. NR 212.40 to 212.70.

History: Cr. Register, September, 1981, No. 309, eff. 10-1-81; am. Register, May, 1985, No. 353, eff. 6-1-85.

NR 212.08 Allocation for margin of safety. The allocation for a margin of safety shall be zero unless otherwise specified in ss. NR 212.40 to 212.70.

History: Cr. Register, September, 1981, No. 309, eff. 10-1-81; am. Register, May, 1985, No. 353, eff. 6-1-85.

NR 212.09 Nonpoint source allocation. The allocation for nonpoint sources shall be zero unless otherwise specified in ss. NR 212.40 to 212.70.

Note: For those stream conditions where the allocation of water quality related effluent limitations is necessary, nonpoint source effects on stream segments will normally be accounted for in the water quality model or other technical analysis used to determine the total maximum load. In unforeseen circumstances requiring the specific allocation of a portion of the total maximum load for contributions from nonpoint sources, s. NR 212.09 can be used. Direct control of contributions from nonpoint sources will be implemented through land management control practices and will not normally be included in a waste load allocation.

History: Cr. Register, September, 1981, No. 309, eff. 10-1-81; am. Register, May, 1985, No. 353, eff. 6-1-85.

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NR 212.10 Point source allocations. (1) The water quality related effluent limitations for a point source discharge to a stream segment which is not impacted by any other point source shall be calculated by subtracting any allocations for reserve capacity, margin of safety or nonpoint sources from the total maximum loading.

(2) The procedures for determining water quality related effluent limitations for point source dischargers to a stream segment affected by more than one discharger are found in ss. NR 212.40 to 212.70.

(3) The department may permit point source water quality related effluent limitations to vary according to flow, temperature or other water quality conditions only when all of the following are met:

(a) The limitations shall result in the attainment of water quality standards; and

(b) During the term of the permit the discharger provides sufficient monitoring capability where such capability does not otherwise exist.

(4) Water quality related effluent limits shall be expressed as daily maximum loads. Consistent with techniques established under ss. NR 212.40 through 212.70 effluent limits may be expressed as averages in conjunction with daily maximum limits if the permittee demonstrates that such limits would not increase the probability of water quality standards violations. The flow and temperature measurements of stream conditions for flow and temperature related permits may be based on averages in cases where averages better approximate actual river conditions.

History: Cr. Register, September, 1981, No. 309, eff. 10-1-81;am. (2) and (4), Register, May, 1985, No. 353, eff. 6-1-85.

NR 212.11 Modifications and temporary reallocation of point source allocations. (1) When a discharger to a publicly-owned point source covered by this chapter applies to receive a separate WPDES permit or when a person with a WPDES permit applies to terminate its direct discharge in order to contribute to a publicly-owned point source covered by this chapter, permit modification procedures contained in ss. 147.025 and 147.03 (2), Stats., shall apply. Any reallocation pursuant to such action shall only affect the applicant and the publicly-owned point source to which it discharges.

(2) Procedures for temporary reallocation for individual stream segments are identified in ss. NR 212.40 through 212.70. Notwithstanding procedures identified in ss. NR 212.40 through 212.70, temporary reallocation of wasteload allocations may be allowed under the following conditions:

(a) Reallocations approved by the department shall be for at least one calendar year and shall expire at the end of the affected discharger's WPDES permit term;

(b) Reallocations shall account for differences in waste characteristics and location of discharge as determined by the department and may not adversely affect a downstream segment's wasteload allocation; and

(c) Reallocations may not affect baseline loads in affected stream segments but may result in an adjustment to total maximum daily loads identified in ss. NR 212.40 through 212.70.

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(3) Reallocations may not be approved by the department until the discharger applying for a reallocation demonstrates through the use of a toxicity test approved by the department that such reallocation will not result in toxicity in the receiving water.

(4) Prior to department approval of a reallocation, all parties to the transfer shall waive all rights under s. 227.14, Stats., to retain any reallocation beyond the expiration date of the WPDES permit of the dischargers applying to receive a reallocation. The waiver shall be effectuated through incorporation into the WPDES permit of the affected discharger.

History: Cr. Register, September, 1981, No. 309, eff. 10-1-81; r. and recr. Register, August, 1985, No. 366, eff. 9-1-85.

NR 212.115 Transferable wasteload allocation. (1) Transfers of wasteload allocations between point source dischargers may be allowed through the permit issuance or modification process under the following conditions:

(a) The discharger applying to receive a transfer secures a legally binding agreement approved by the department, that the WPDES permit allocations for one or more existing dischargers shall be reduced by an amount sufficient to prevent the total maximum load under ss. NR 212.40 to 212.70 from being exceeded;

(b) The department shall consider the differences in waste characteristics and location of the affected point sources to determine amounts by which the existing point source allocations are reduced; and

(c) Transfer agreements approved by the department shall be for at least one wasteload allocation season and may not extend beyond the term of the seller's discharge permit.

(d) Transfers may not be approved by the department until the discharger applying for an increased wasteload allocation demonstrates through the use of a toxicity test approved by the department that the transfer will not result in a failure, as defined by the department, of the toxicity test.

(2) Prior to department approval of a transfer, the discharger applying for an increased wasteload allocation shall demonstrate to the satisfaction of the department that the increase is needed due to:

(a) New production by a new discharger,

(b) Increased production which cannot be accommodated by the current treatment facility, or

(c) The inability of the current waste treatment facility to meet current wasteload allocations despite optimal operation and maintenance of the treatment facility.

(3) Prior to department approval of a transfer, all parties to the transfer shall waive all rights under s. 227.14, Stats., to retain any transfer beyond the expiration date of the WPDES permit of the dischargers applying to receive a transfer. The waiver shall be incorporated into both the legally binding agreement in sub. (1) (a) and the WPDES permit of all parties to the agreement.

History: Cr. Register, March, 1986, No. 363, eff. 4-1-86.

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NR 212.12 Instream aeration. (1) Total maximum loads established under this chapter may be calculated based on the use of instream aeration techniques when WPDES permit applications meet both the following conditions:

(a) A cost-effectiveness analysis is submitted to the department which demonstrates that instream aeration is a satisfactory means of attaining water quality standards; and

(b) A demonstration is made to the satisfaction of the department that applicable water quality standards will be met and no environmental pollution as defined in s. 144.01 (3), Stats., will occur.

(2) Instream aeration may not be used to accommodate new or increased discharges of pollutants either from new point sources or from the expansion of existing point sources, except that instream aeration may be available on a temporary basis to accommodate increased pollution loads due to the growth of a municipality when:

(a) The use of aeration for this purpose is restricted to residential or public sector growth;

(b) Adequate operation and maintenance of the publicly-owned point source exists;

(c) Excessive infiltration and inflow have been removed from the collection systems;

(d) No bypasses exist which are not authorized by the department; and

(e) The municipality has taken all reasonable steps to obtain federal and state financing for its point source.

(3) The use of instream aeration under sub. (2) shall be allowed for a period not to exceed 5 years, at which time the publicly-owned point source shall have sufficient treatment capability in place to meet the waste water treatment needs as required by an approved municipal waste water treatment facility plan developed under ch. NR 110.

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

NR 212.13 Flow reregulation. (1) Total maximum loads established under this chapter may be calculated based on the use of flow reregulation techniques when WPDES permit applicants meet all of the following conditions:

(a) A cost-effectiveness analysis is submitted to the department which demonstrates that flow reregulation is a satisfactory means of attaining water quality standards.

(b) A technical analysis is presented to the satisfaction of the department which determines the critical water quality conditions for the affected stream segment as a function of the flow reregulation technique.

(c) Legally binding assurances are provided to the satisfaction of the department that the entity responsible for reregulating flows on the affected stream segment will undertake the agreed-upon flow reregulation activities.

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(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 BOD₅ 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 BOD₅. (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 BOD₅ 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:

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

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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 BOD₅ 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 BOD₅ 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 BOD₅ 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:

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

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 ₅ 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:

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

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

T = The applicable total maximum daily BOD₅ 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 mile-points 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. 366, 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. 366, eff. 6-1-86.

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:

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

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 BOD₅ 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 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:

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

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 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:

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

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 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 285.4 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 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:

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

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 BOD₅ 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 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. 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:

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

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

T = The total maximum daily BOD₅ 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 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).

(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 258.5 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 BOD₅ 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 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.

TABLE 1-a
LBS PER DAY OF BOD₅
(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

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TABLE 1-a (continued)
LBS PER DAY OF BOD₅
(river mile 40.0 to 32.4)

- FLOW (CFS) TEMP °F	Flow at Rapids 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)	AUGUST														
86.0 or Greater	11900	11900	11900	11900	11900	11900	11900	11980	13820	15930	19320	22650	23370	25770	30630
82.0 TO 85.0	11900	11900	11900	11900	11900	11900	13450	15250	17540	20120	22710	23280	24200	28680	36100
78.0 TO 81.0	11900	11900	11900	12080	13760	15700	17940	20400	21700	22740	23540	24310	25630	35700	45680
74.0 TO 77.0	11900	11900	13120	15010	17290	19880	21340	21310	22940	23360	24430	25500	28990	43650	52870
70.0 TO 73.0	12450	13640	15730	18270	21100	21360	22650	23000	23540	24290	25500	27920	34160	52250	52870
66.0 TO 69.0	14350	15930	18680	21190	21360	22670	23110	23710	24620	25690	27870	32850	40540	52870	52870
62.0 TO 65.0	16620	18820	21230	21280	22640	23180	23970	25030	26430	29140	33120	39170	48590	52870	52870
61.0 or Less	19730	21310	21150	22550	23250	24360	25840	29010	32170	35400	40430	48140	52870	52870	52870
	SEPTEMBER														
86.0 or Greater	11900	11900	11900	11900	11900	11900	11900	11900	12700	15400	19440	23550	25820	30900	
82.0 TO 85.0	11900	11900	11900	11900	11900	11900	11900	12890	14660	16730	20220	22880	24220	28550	36130
78.0 TO 81.0	11900	11900	11900	11900	12510	13890	15600	17610	20220	22030	22610	23940	25430	35030	45680
74.0 TO 77.0	11900	11900	12590	13870	15590	17690	20200	21880	22160	22570	23480	25160	27910	42840	52870
70.0 TO 73.0	12590	13290	14730	16690	19200	20710	21880	22150	22680	23400	24760	26450	32620	51470	52870
66.0 TO 69.0	14100	15180	17320	20120	20730	21900	22260	22810	23680	24740	26320	31140	38800	52870	52870
62.0 TO 65.0	15980	17700	20760	20670	21860	22300	23030	24020	25410	27180	31160	37270	47030	52870	52870
58.0 TO 61.0	18670	20870	20550	21750	22320	23340	24740	26600	30050	33250	38290	46210	52870	52870	52870
54.0 TO 57.0	20760	20370	21550	22370	23820	25880	30150	33950	38050	42320	49160	52870	52870	52870	52870
50.0 TO 53.0	20120	21230	22400	24580	28870	34630	39610	44580	50650	52870	52870	52870	52870	52870	52870
46.0 TO 49.0	21130	22330	25570	33280	40820	47690	52870	52870	52870	52870	52870	52870	52870	52870	52870
42.0 TO 45.0	22950	26610	38240	49250	52870	52870	52870	52870	52870	52870	52870	52870	52870	52870	52870
41.0 or Less	31510	43060	52870	52870	52870	52870	52870	52870	52870	52870	52870	52870	52870	52870	52870

TABLE 1-a (continued)
LBS PER DAY OF BOD₅
(river mile 40.0 to 32.4)

		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 TO MORE	
(Previous Day Average)		OCTOBER														
66.0 or Greater	12890	13610	15330	17310	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	28820	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 BOD₅
(river mile 32.4 to 19.2)

- FLOW (CFS) TEMP °F	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)	MAY - JUNE														
86.0 or Greater	19530	20420	22080	24040	26140	28260	30320	32250	34310	36350	39600	44250	51010	68910	73520
82.0 TO 85.0	19420	20480	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	50860	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	43430	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

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TABLE I-b (continued)
 LBS PER DAY OF BOD₅
 (river mile 32.4 to 19.2)

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

FLOW (CFS) TEMP °F	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	26390	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	30730	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	81830	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

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TABLE 1-b (continued)
 LBS PER DAY OF BOD₅
 (river mile 32.4 to 19.2)

FLOW (CFS) OR TEMP °F	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 BOD₅
(river mile 205.3 to 171.9)

Previous Day Average Flow at Biron Dam (cfs)

Flow (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
MAY - JUNE										
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	118150	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	44930	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
JULY - AUGUST										
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
SEPTEMBER - OCTOBER										
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	80310	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 2-m
 LBS PER DAY OF BOD₅
 (river mile 271.1 to 284.5)
 Flow at Rothschild Dam (cfs)

Temp F	Flow cfs	980 of less	981- 1220	1471- 1730	1731- 1930	1991- 2280	2281- 2540	2541- 2830	2831- 3130	3131- 3430	3431- 3730	3731- 4230	4231- 4730	4731- 5230	5231- 5730	5731- 6340	6341- 6910 or more
78 +	4841.	4841.	4841.	4841.	4841.	4841.	4841.	4841.	4841.	4841.	4841.	4841.	4841.	4841.	4841.	4841.	4841.
74-77	5969.	5969.	5969.	5969.	5969.	5969.	5969.	5969.	5969.	5969.	5969.	5969.	5969.	5969.	5969.	5969.	5969.
70-73	5430.	5430.	5430.	5430.	5430.	5430.	5430.	5430.	5430.	5430.	5430.	5430.	5430.	5430.	5430.	5430.	5430.
66-69	5259.	5259.	5259.	5259.	5259.	5259.	5259.	5259.	5259.	5259.	5259.	5259.	5259.	5259.	5259.	5259.	5259.
62-65	5292.	5292.	5292.	5292.	5292.	5292.	5292.	5292.	5292.	5292.	5292.	5292.	5292.	5292.	5292.	5292.	5292.
58-61	5875.	5875.	5875.	5875.	5875.	5875.	5875.	5875.	5875.	5875.	5875.	5875.	5875.	5875.	5875.	5875.	5875.
57 or less	7700.	7700.	7700.	7700.	7700.	7700.	7700.	7700.	7700.	7700.	7700.	7700.	7700.	7700.	7700.	7700.	7700.
MAX-JUNE																	
78 +	4841.	4841.	4841.	4841.	4841.	4841.	4841.	4841.	4841.	4841.	4841.	4841.	4841.	4841.	4841.	4841.	4841.
74-77	5969.	5969.	5969.	5969.	5969.	5969.	5969.	5969.	5969.	5969.	5969.	5969.	5969.	5969.	5969.	5969.	5969.
70-73	5430.	5430.	5430.	5430.	5430.	5430.	5430.	5430.	5430.	5430.	5430.	5430.	5430.	5430.	5430.	5430.	5430.
66-69	5259.	5259.	5259.	5259.	5259.	5259.	5259.	5259.	5259.	5259.	5259.	5259.	5259.	5259.	5259.	5259.	5259.
62-65	5292.	5292.	5292.	5292.	5292.	5292.	5292.	5292.	5292.	5292.	5292.	5292.	5292.	5292.	5292.	5292.	5292.
58-61	5875.	5875.	5875.	5875.	5875.	5875.	5875.	5875.	5875.	5875.	5875.	5875.	5875.	5875.	5875.	5875.	5875.
57 or less	7700.	7700.	7700.	7700.	7700.	7700.	7700.	7700.	7700.	7700.	7700.	7700.	7700.	7700.	7700.	7700.	7700.
JULY-AUGUST																	
78 +	5658.	5658.	5658.	5658.	5658.	5658.	5658.	5658.	5658.	5658.	5658.	5658.	5658.	5658.	5658.	5658.	5658.
74-77	6779.	6779.	6779.	6779.	6779.	6779.	6779.	6779.	6779.	6779.	6779.	6779.	6779.	6779.	6779.	6779.	6779.
70-73	6081.	6081.	6081.	6081.	6081.	6081.	6081.	6081.	6081.	6081.	6081.	6081.	6081.	6081.	6081.	6081.	6081.
66-69	5807.	5807.	5807.	5807.	5807.	5807.	5807.	5807.	5807.	5807.	5807.	5807.	5807.	5807.	5807.	5807.	5807.
62-65	7951.	7951.	7951.	7951.	7951.	7951.	7951.	7951.	7951.	7951.	7951.	7951.	7951.	7951.	7951.	7951.	7951.
58-61	7218.	7218.	7218.	7218.	7218.	7218.	7218.	7218.	7218.	7218.	7218.	7218.	7218.	7218.	7218.	7218.	7218.
57 or less	8520.	8520.	8520.	8520.	8520.	8520.	8520.	8520.	8520.	8520.	8520.	8520.	8520.	8520.	8520.	8520.	8520.
SEPTEMBER																	
78 +	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.
74-77	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.
70-73	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.
66-69	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.
62-65	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.
58-61	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.
57 or less	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.
OCTOBER																	
78 +	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.
74-77	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.
70-73	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.
66-69	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.
62-65	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.
58-61	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.
57 or less	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.	4708.

TABLE 5-*m*
LBS PER DAY OF BOD
(river mile 248.9 to 255.4)
Flow at Rothschild Dam (cfs)

Temp °F	Flow cfs	980	981	1221	1471	1731	1990	2250	2511	2831	3131	3431	3781	4231	4731	5231	5781	6341	6911
		or less	1220	1470	1720	1980	2240	2500	2830	3130	3430	3780	4220	4720	5220	5780	6340	6910	or more
78 +	6534	6534	6397	4668	2478	2474	2838	3074	3871	4142	4736	5392	6101	6534	6534	6534	6534	6534	6534
74-77	6534	5582	4849	2154	2473	2571	2942	3182	3498	3901	4328	4898	5665	6476	6534	6534	6534	6534	6534
70-73	6534	5813	3999	2806	2460	2741	3130	3516	3968	4480	5018	5733	6534	6534	6534	6534	6534	6534	6534
66-69	6534	4033	2468	2781	3171	3711	4151	4717	5345	6088	6534	6534	6534	6534	6534	6534	6534	6534	6534
62-65	5179	3470	2461	2824	3270	3811	4431	5111	5837	6534	6534	6534	6534	6534	6534	6534	6534	6534	6534
58-61	3688	2473	2690	3449	4108	4896	5675	6534	6534	6534	6534	6534	6534	6534	6534	6534	6534	6534	6534
57 or less	2436	2981	3680	4497	5429	6451	6534	6534	6534	6534	6534	6534	6534	6534	6534	6534	6534	6534	6534
MAY-JUNE																			
78 +	4250	6534	6116	4452	3191	2843	3240	3464	3782	4086	4582	5139	5764	6472	6534	6534	6534	6534	6534
74-77	6534	5531	4973	3165	2760	2956	3202	3530	4479	4264	4683	5269	6024	6534	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	6534
66-69	6312	4738	3345	2753	3085	3491	4658	4474	5042	5664	6311	6534	6534	6534	6534	6534	6534	6534	6534
62-65	5325	3410	2740	3099	3571	4112	4731	5405	6534	6534	6534	6534	6534	6534	6534	6534	6534	6534	6534
58-61	3758	2732	3170	3783	4387	5146	5969	6534	6534	6534	6534	6534	6534	6534	6534	6534	6534	6534	6534
57 or less	2719	3252	3782	4512	5710	6534	6534	6534	6534	6534	6534	6534	6534	6534	6534	6534	6534	6534	6534
JULY-AUGUST																			
78 +	4408	9318	3346	2346	2078	1640	1916	2062	2546	2903	3290	3290	4083	4745	5472	6265	6534	6534	6534
74-77	3970	3540	2472	2065	1674	1751	2047	2394	2802	3207	3279	3279	3981	5097	6534	6534	6534	6534	6534
70-73	3088	2427	1640	1645	1778	2069	2442	2376	3356	3831	4406	5079	6181	6534	6534	6534	6534	6534	6534
66-69	3129	2431	1884	1812	2118	2546	3089	3694	4181	4843	5530	6429	6534	6534	6534	6534	6534	6534	6534
62-65	2773	1887	1822	2252	2710	3279	3920	4634	5391	6171	6534	6534	6534	6534	6534	6534	6534	6534	6534
58-61	1730	2176	2323	2944	3601	4374	5224	6133	6534	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	6534
SEPTEMBER																			
78 +	1640	1640	1640	1640	1640	1640	1646	1937	2294	2631	3117	3744	4411	5164	5950	6534	6534	6534	6534
74-77	1640	1640	1640	1640	1640	1640	1640	2084	2520	2920	3491	4168	4781	5520	6534	6534	6534	6534	6534
70-73	1640	1640	1640	1640	1640	1640	1640	2139	2632	3103	3622	4192	4812	5502	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	6534
62-65	1640	1640	1640	2049	2515	3074	3723	4410	5156	5943	6534	6534	6534	6534	6534	6534	6534	6534	6534
58-61	1640	1640	2132	2749	3393	4170	5007	5898	6534	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	6534
OCTOBER																			

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TABLE 6-m
 LBS PER DAY OF BOD,
 (river mile 341.4 to 313.2)
 Flow at Whirlpool Rapids, (cfs)

Flow cfs	390 or less	391- 520	521- 550	651- 780	781- 910	911- 1040	1041- 1300	1301- 1560	1561- 1820	1821- 2080	2081- 2340	2341- 2600	2601 or more
78 +	957	957	1304	2078	2944	3928	5606	6017	5734	6044	6937	8323	9116
74-77	957	957	1796	2780	3883	5160	6431	6431	6919	7322	8116	9116	9116
70-73	957	1231	2282	3573	4983	6783	8784	8366	8432	9116	9116	9116	9116
66-69	957	1896	4218	6793	9500	12723	17331	8977	9116	9116	9116	9116	9116
62-65	1285	2639	4318	6988	9895	13423	18423	9116	9116	9116	9116	9116	9116
58-61	1860	3756	5953	8977	12691	17416	23416	9116	9116	9116	9116	9116	9116
54-57	2681	5369	8432	12692	17416	23416	31116	9116	9116	9116	9116	9116	9116
50-53	4303	8391	12692	17416	23416	31116	41116	9116	9116	9116	9116	9116	9116
46-49	6691	12692	17416	23416	31116	41116	51116	9116	9116	9116	9116	9116	9116
45 or less	9116	9116	9116	9116	9116	9116	9116	9116	9116	9116	9116	9116	9116
MAY													
78 +	957	1185	1759	2407	3145	3984	5378	6655	6436	6755	7621	8906	9116
74-77	957	1413	2151	3017	3984	5087	6910	7047	7375	8350	9116	9116	9116
70-73	957	1650	2607	3710	4963	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	3988	5971	8378	1116	1116	9116	9116	9116	9116	9116	9116	9116
54-57	3988	5971	8378	1116	1116	9116	9116	9116	9116	9116	9116	9116	9116
50-53	5479	8332	1116	1116	1116	9116	9116	9116	9116	9116	9116	9116	9116
46-49	3154	5479	8332	1116	1116	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	1158	1758	2407	3145	3984	5378	6655	6436	6755	7621	8906	9116
74-77	957	1413	2151	3017	3984	5087	6910	7047	7375	8350	9116	9116	9116
70-73	957	1650	2607	3710	4963	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	3988	5971	8378	1116	1116	9116	9116	9116	9116	9116	9116	9116
54-57	3988	5971	8378	1116	1116	9116	9116	9116	9116	9116	9116	9116	9116
50-53	5479	8332	1116	1116	1116	9116	9116	9116	9116	9116	9116	9116	9116
46-49	3154	5479	8332	1116	1116	9116	9116	9116	9116	9116	9116	9116	9116
45 or less	9116	9116	9116	9116	9116	9116	9116	9116	9116	9116	9116	9116	9116
JULY-AUGUST													
78 +	957	957	1158	1550	1996	2480	3000	4558	5160	5032	524	5962	6328
74-77	957	957	1486	2051	2639	3400	4323	6052	7016	6356	6165	6323	6316
70-73	957	1149	184	2625	3482	4453	5623	6827	8116	7122	6116	6116	6116
66-69	957	1677	2571	3583	4731	6007	7431	948	9116	9116	9116	9116	9116
62-65	1276	2315	3491	4850	6372	7943	9116	9116	9116	9116	9116	9116	9116
58-61	1860	3218	4821	6709	9223	11623	9116	9116	9116	9116	9116	9116	9116
54-57	2671	4576	6883	9852	14116	20116	27116	35116	44116	54116	64116	74116	84116
50-53	4576	6883	9852	14116	20116	27116	35116	44116	54116	64116	74116	84116	94116
46-49	2671	4576	6883	9852	14116	20116	27116	35116	44116	54116	64116	74116	84116
45 or less	9116	9116	9116	9116	9116	9116	9116	9116	9116	9116	9116	9116	9116
SEPTEMBER													
78 +	957	957	957	1469	2142	2908	4011	5160	4877	4895	5561	6591	7949
74-77	957	957	1285	2088	2961	3984	5673	7752	5834	6591	7859	9116	9116
70-73	957	957	1769	2789	3947	5233	6646	8282	7393	8848	9116	9116	9116
66-69	957	1468	2598	3883	5332	6965	8783	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	8832	9116	9116	9116	9116	9116	9116	9116
54-57	2489	4667	6997	9897	13800	18600	24400	31200	39000	47800	56600	65400	74200
50-53	4667	6997	9897	13800	18600	24400	31200	39000	47800	56600	65400	74200	83000
46-49	2489	4667	6997	9897	13800	18600	24400	31200	39000	47800	56600	65400	74200
45 or less	9116	9116	9116	9116	9116	9116	9116	9116	9116	9116	9116	9116	9116

TABLE 6-m (cont'd)
 LBS PER DAY OF BOD₅
 (river mile 31.4 to 313.2)
 Flow at Whirlpool Rapids (cfs)

Flow Temp °F	390 or less	391- 320	321- 650	651- 780	781- 310	911- 1040	1041- 1300	1301- 1580	1581- 1820	1821- 2080	2081- 2340	2341- 2600	2601 or more
78+	957.	957.	957.	957.	957.	957.	2097.	3610.	4421.	4412.	4950.	6007.	7329.
70-77	957.	957.	957.	1531.	2480.	3254.	4339.	5451.	5451.	6117.	7386.	8979.	9116.
70-73	957.	957.	1531.	2598.	3774.	5096.	6436.	6317.	7056.	8469.	9116.	9116.	9116.
68-69	957.	1249.	2407.	3710.	5196.	6864.	7074.	7794.	9116.	9116.	9116.	9116.	9116.
62-65	957.	2024.	3455.	5141.	7047.	7643.	8186.	9116.	9116.	9116.	9116.	9116.	9116.
58-61	1431.	2027.	4941.	5141.	8141.	8660.	9116.	9116.	9116.	9116.	9116.	9114.	9116.
50-57	2915.	4494.	7183.	8690.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.
48-49	3628.	4997.	5302.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.
45 or less	5816.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.	9116.

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TABLE 7-m
LBS PER DAY OF BOD₅
(river mile 313.1 to 305.9)
Flow at Tomahawk Dam (cfs)

Flow 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
78 +	2400	2400	2599	2712	2868	3039	3280	4374	6433	8733	10932	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	2863	3664	4189	4729	5382	5921	7356	10189	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	12339	14910	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152
54-57	6844	9017	11161	13859	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	16272	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
MAY																			
78 +	2400	2400	3010	3763	4303	4757	5431	6276	8122	10011	11985	13817	15407	16827	18152	18152	18152	18152	18152
74-77	2400	2897	4004	4743	5382	5907	6773	8263	10749	12983	15009	16756	18152	18152	18152	18152	18152	18152	18152
70-73	2400	3919	4970	5822	6603	7228	8531	11119	13659	16046	18091	18152	18152	18152	18152	18152	18152	18152	18152
66-69	3835	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	15775	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152
57 or less	7498	9963	12255	14924	17750	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152
JUNE																			
78 +	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400
74-77	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400
70-73	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400
66-69	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400
62-65	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400
58-61	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400
57 or less	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400
JULY-AUGUST																			
78 +	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400
74-77	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400
70-73	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400
66-69	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400
62-65	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400
58-61	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400
57 or less	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400
SEPTEMBER																			
78 +	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400
74-77	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400
70-73	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400
66-69	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400
62-65	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400
58-61	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400
57 or less	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400

TABLE 7-m. (cont'd)
LES PER DAY OF RODS
(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
78+		2400	2400	2400	2400	2400	2400	2400	2400	3228	5681	8009	10252	12296	13973	15634	17068	18152	18152	18152
74-77		2400	2400	2400	2400	2400	2400	2854	4283	6844	9457	11900	14044	15959	17636	18152	18152	18152	18152	18152
70-73		2400	2400	2400	2400	2400	2400	2854	4283	6844	9457	11900	14044	15959	17636	18152	18152	18152	18152	18152
64-69		2400	2400	2400	2400	2400	2400	2854	4283	6844	9457	11900	14044	15959	17636	18152	18152	18152	18152	18152
62-65		2400	2400	2400	2400	2400	2400	2854	4283	6844	9457	11900	14044	15959	17636	18152	18152	18152	18152	18152
58-61		2712	3606	5084	6962	7496	8063	8193	11516	14659	17396	18152	18152	18152	18152	18152	18152	18152	18152	18152
54-57		3848	5439	7171	8733	10564	12993	16387	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152
50-53		5811	7354	9241	12134	15080	17821	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152
46-49		7341	10409	13603	17299	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152
42-45		10852	14839	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152
41 or less		17068	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152	18152

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 BOD₅ 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:

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

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 BOD₅ 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 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 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:

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

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 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 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.

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(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 BOD₅
 (river mile 9.6 to 0.0)
 Previous Day Average Flow at Peshigo (cfs)

FLOW CFS TEMP F	200	201	261	301	341	401	531	611	801	1101
	LESS	260	300	340	400	530	610	800	1100	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 BOD₅
 (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