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NR 104.02

# Chapter NR 104

# **USES AND DESIGNATED STANDARDS**

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**Note:** Chapter NR 104 as it existed on September 30, 1976 was repealed and a new chapter NR 104 was created effective October 1, 1976. Corrections made under s. 13.93 (2m) (b) 7., Stats., Register, August, 1997, No. 500.

# Subchapter I — Intrastate Waters

**NR 104.01 General. (1)** "It is...the goal of the state of Wisconsin that, wherever attainable, an interim goal of water quality which provides for the protection and propagation of fish, shellfish and wildlife and provides for recreation in and on the water be achieved by 1983. ..." s. 283.001 (1) (b), Stats. The long-range goal of Wisconsin water quality standards is, therefore, to permit the use of water resources for all lawful purposes. Surface waters which because of natural conditions are not conducive to the establishment and support of the complete hierarchy of aquatic organisms shall not be degraded below present levels, but shall be upgraded as necessary to support assigned uses. Most surface waters within the state of Wisconsin already meet or exceed the goals specified above. However, certain waters of the state may not meet these goals for the following reasons:

(a) The presence of inplace pollutants,

(b) Low natural streamflow,

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- (c) Natural background conditions, and
- (d) Irretrievable cultural alterations.

(1m) Where it is determined that one or more of these factors may interfere with the attainment of the statutory objectives, a variance from the criteria necessary to achieve those objectives is provided.

(2) Surface waters within the boundaries of the state shall meet the standards for fish and aquatic life and recreational use with the variances and additions listed below in ss. NR 104.05 to 104.10. A system is provided within which small streams and other surface waters which cannot support high quality uses are granted a variance from the high quality criteria.

(3) Effluent limitations specified in this chapter shall be achieved by industrial, private and municipal dischargers by July 1, 1983 unless an earlier date is otherwise provided in a permit issued under s. 283.31, Stats. Municipal dischargers eligible for state or federal grant–in–aid shall achieve the specified effluent limitations upon completion of construction or modification of facilities approved by the department of natural resources subsequent to adoption of this chapter unless otherwise provided in a permit issued under s. 283.31, Stats.

**History:** Cr. Register, September, 1976, No. 249, eff. 10–1–76; am. (1), Register, December, 1977, No. 264, eff. 1–1–78.

NR 104.02 Surface water classifications and effluent limitations. (1) Hydrologic CLASSIFICATION. "Surface waters" as defined in s. NR 210.03 (10m), may be classified according to their hydraulic or hydrologic characteristics. For pur-

poses of this chapter, surface waters will be classified by the department into one of the following categories:

(a) *Lakes or flowages*. This classification includes bodies of water whose current is more or less stagnant or which lacks a unidirectional current.

(b) *Diffused surface waters*. This classification includes any water from rains, intermittent springs or melting snow which flows on the land surface, through ravines, etc., which are usually dry except in times of runoff. This category does not include waters at the land surface in the vicinity of agricultural or wastewater irrigation disposal systems.

(c) *Wetlands*. This classification includes areas where water is at, near, or above the land surface long enough to be capable of supporting aquatic or hydrophytic vegetation and which have soils indicative of wet conditions.

(d) *Wastewater effluent channels*. This classification includes discharge conveyances constructed primarily for the purpose of transporting wastes from a facility to a point of discharge. Drainage ditches (including those established under ch. 88, Stats.) constructed primarily for the purposes of relieving excess waters on agricultural lands shall not be construed as effluent channels. Modifications made to natural watercourses receiving wastewater effluents for the purpose of increasing or enhancing the natural flow characteristics of the stream shall not be classified as effluent channels.

(e) *Noncontinuous streams*. This classification includes watercourses which have a defined stream channel, but have a natural 7–day Q flow of less than 0.1 cfs and do not exhibit characteristics of being perpetually wet without wastewater discharges.

(f) *Continuous streams*. This classification includes watercourses which have a natural 7–day Q flow of greater than 0.1 cfs or which exhibit characteristics of a perpetually wet environment, are generally capable of supporting a diverse aquatic biota and flow in a defined stream channel.

**Note:** The application of this classification system is not dependent on the navigability properties of the watercourse, but is dependent upon the quantity–quality relationships of the surface water.

(2) WATER QUALITY CLASSIFICATION. (a) Whenever the goals as specified in s. 283.001 (1) (b), Stats., cannot be attained because of conditions enumerated in s. NR 104.01 (1), a variance may be provided. Variances from a specific water quality criteria may be given in s. NR 104.05 et. seq. or a variance under one of the categories provided in this chapter may be specified.

(b) Practices attributable to municipal, industrial, commercial, domestic, agricultural, land development, or other activities shall be controlled so that waters regardless of their hydrologic and water quality classifications meet the general aesthetic and acute toxicity conditions in s. NR 102.04 (1).

(3) VARIANCE CATEGORIES. (a) *Limited forage fish communities (intermediate surface waters)*. 1. Applicability. This cateNR 104.02

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gory of variance may be applied to either the continuous or noncontinuous stream hydrologic classification.

2. Surface water criteria. The following water quality criteria shall be met in all surface waters included in this variance category:

a. Dissolved oxygen shall not be less than 3 mg/L.

c. The pH shall be within the range of 6.0 to 9.0.

d. All other substances shall meet the acute and chronic toxicity criteria for limited forage fish communities specified in or developed pursuant to ss. NR 105.05 and 105.06.

3. Effluent criteria. a. The effluent limitations determined necessary to meet the surface water criteria listed above are enumerated in table 1.

TABLE 1				
Parameter	Monthly Average (mg/L)	Daily Maximum (mg/L)	Weekly Average (mg/L)	Other (mg/L)
BOD <sub>5</sub>	15	30	-	-
Total Suspended Solids	20	30	-	-
Dissolved Oxygen	-	-	-	4 (mini- mum)

b. Unless otherwise specified in table 1 above, effluent limitations for sewage treatment works shall be as adopted in ch. NR 210.

c. In addition to the effluent limitations enumerated in table 1, effluent limitations for these and any other substance necessary to protect assigned uses shall be met, including water quality based effluent limitations necessary to meet the criteria specified in or developed pursuant to ss. NR 105.05 and 105.06 for limited forage fish communities.

(b) Limited aquatic life subcategory (marginal surface waters). 1. Applicability. This variance category may be applied to the continuous or noncontinuous stream hydrologic classification, except that it shall be applied to all surface waters classified as effluent channel, wetland or diffuse surface water.

2. Surface water criteria. The following surface water quality criteria shall be met in all surface waters included in this variance category:

a. Dissolved oxygen shall not be less than 1 mg/L.

b. The pH shall be within the range of 6.0 to 9.0.

c. All other substances shall meet the acute and chronic toxicity criteria for the limited aquatic life subcategory specified in or developed pursuant to ss. NR 105.05 and 105.06.

3. Effluent criteria. a. The effluent limitations determined necessary to meet the surface water criteria listed above are enumerated in table 2.

TABLE 2

Parameter	Monthly Average (mg/L)	Weekly Average (mg/L)	Other (mg/L)
BOD <sub>5</sub>	20	30	-
Total Suspended Solids	20	30	-
Dissolved Oxygen	-	-	4 (minimum)

b. Unless otherwise specified in table 2 above, effluent limitations for sewage treatment works shall be as adopted in ch. NR 210.

c. In addition to the effluent limitations enumerated in table 2, effluent limitations for these and any other substance necessary to protect assigned uses shall be met, including water quality based limitations necessary to meet the criteria for limited aquatic life surface water specified in or developed pursuant to ss. NR 105.05 and 105.06.

(4) OTHER CLASSIFICATIONS AND EFFLUENT CRITERIA. (a) Surface waters significant to the environmental integrity of the state or region. Under all hydrologic categories, the department reserves the right to require other effluent limitations, including

allocation of wasteloads for organic material, toxicants and chlorine residuals if it is determined that the specified surface water is important to the overall environmental integrity of the area. In waters identified as trout streams, located in scientific areas or wild and scenic areas, providing endangered species habitat or of high recreational potential, effluent criteria will be evaluated on a case–by–case basis.

(b) *Surface waters classified for fish and aquatic life.* 1. Streams. Where flowing streams or rivers are specified to achieve fish and aquatic life criteria, wasteload allocation for organic material, toxicants and chlorine residuals shall determine effluent criteria necessary to achieve that standard.

2. Lakes and flowages. Effluent characteristics for discharges to lakes or flowages shall be based upon an evaluation of water quality necessary to protect fish and aquatic life taking into account mixing zone and nutrient removal criteria.

3. Minimum effluent criteria. If it can be reasonably demonstrated that the quality of the surface water is independent of a wastewater discharge, effluent limitations established under ss. 283.13 and 283.19, Stats., shall apply.

(c) *Wastewater treatment lagoons*. Effluents from fill-anddraw wastewater treatment lagoons or domestic waste stabilization ponds discharging to waters receiving a variance in this chapter may be permitted to vary from the limitations specified in table 1 or 2 provided the following conditions are met:

1. The discharge occurs only during the spring and fall of the year when the flow in the receiving water is normally high, and the temperature is low. The rate of discharge shall not exceed that specified in a permit under s. 283.31, Stats., or where no rate is indicated, the allowable discharge quantities shall be determined by the department based upon current evaluation of the receiving water.

2. In lieu of the previous conditions, the discharge from a filland-draw lagoon may occur at any time provided the rate does not exceed the assimilative capacity of the receiving water as specified in a permit under s. 283.31, Stats.

3. The dissolved oxygen in the effluent is maintained at a level greater than or equal to 4 mg/L, and the permitted rate of discharge shall be such that the dissolved oxygen and ammonia nitrogen criteria necessary to sustain fish and aquatic life are maintained in the stream during the period of discharge.

4. The effluent limitations do not exceed those established under ss. 283.13 and 283.19, Stats.

(5) CHANGES IN CLASSIFICATION. Surface waters which exhibit changing hydrologic and quality characteristics shall be classified accordingly. Effluent criteria for upstream discharges shall be based upon the most critical downstream classification and shall be specified by the department either on the basis of justified inference or by the application of a wasteload allocation analysis. Any subsequent changes in a stream's morphology or potential may necessitate the reevaluation of the classification.

History: Cr. Register, September, 1976, No. 249, eff. 10-1-76; am. Tables 1 and 2, (2), (3) (a) 2a and c., (3) (b) 2a and c., (4) (c), Register, December, 1977, No. 264, eff. 1-1-78; am. (3) (a) 2a, Register, June, 1978, No. 270, eff. 7-1-78; am. (1) (c), Register, June, 1984, No. 342, eff. 2-1-84; r. (3) (a) 2. b. to d., (b) 2. b. and c., (1) (c), (3) (a) 2. e. to g. and (3) (b) 2. d. and e. to be (3) (a) 2. b. to d. and (3) (b) 2. b. and c. and am (3) (a) 2. g. and (3) (b) 2. c., am. (3) (a) 3. a. and (3) (b) 3. a., Register, October, 1986, No. 370, eff. 11-1-86; am. (1) (intro.), (2) (b) (3) (a) (intro.) and 3. c., and (3) (b) 3. c., r. and recr. (3) (a) 2. d. and (3) (b) 2. c., Register, February, 1989, No. 398, eff. 3-1-89; CR 03-050; r. (3) (a) 2. b., am. Table 1 Register February 2004 No. 578, eff. 3-1-64; correction in (1) made under s. 13.92 (4) (b) 7., Stats., Register May 2020 No. 773.

**NR 104.04 Provision for changes.** The surface waters specified in this chapter are not intended to be an exclusive listing nor do the specified effluent criteria purport to meet the 1983 water quality goals set forth in ch. 283, Stats. Additions to or deletions from these listings may be made based upon the accumulation of information necessary to make such determination and in accordance with the requirements of ch. 227, Stats.

History: Cr. Register, September, 1976, No. 249, eff. 10-1-76.

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**NR 104.05 Variances and additions applicable in the southern district.** Subject to the provision of s. NR 104.04, intrastate surface waters in the southern district counties of Columbia, Dane, Dodge, Grant, Green, Iowa, Jefferson, Lafayette, Richland, Rock and Sauk shall meet the criteria for fish and aquatic life and recreational use with exceptions and additions as follows:

(1) ADDITION. The public water supply standard shall be met on the Wisconsin river in section 8, township 10 north, range 7 east.

(2) VARIANCE. Surface waters in the southern district subject to a variance under s. NR 104.02 (3) are listed in table 3.

## TABLE 3 SOUTHERN DISTRICT

	face Water cility Affected)	Reach Description	Hydrologic Classification	Applicable Criteria (1)	Effluent Limitations (2)
1.	Goose Lake Tribu- tary (Arlington)	Tributary upstream from Goose Lake	Noncontinuous	П	Effluent limitations to be determined
2.	Tributary – East Branch Pecatonica River (Barneveld)	From the Barneveld STP downstream to the East Branch Pecatonica River	Noncontinuous	Π	В
3.	Williams Creek (Blue Mounds)	From the Blue Mounds STP downstream to the east line of Sec. 14, T6N, R5E	Noncontinuous	Ι	А
4.	Sanders Creek (Boscobel)	From the Boscobel STP downstream to the Wisconsin River	Continuous	Ι	А
5.	Allen Creek (Brooklyn)	Upstream from Butts Corner Road	Continuous	Ι	А
6.	Kummel Creek (Brownsville)	From Brownsville STP downstream to CTH "HH"	Noncontinuous	Ι	А
7.	Spring Brook and Tributary (Clinton)	Tributary from the Clinton STP to Spring Brook	Effluent ditch	п	В
		Spring Brook in Clinton Township	Continuous	II	NA
8.	Tributary – Dead Creek (Clyman)	Tributary from Clyman STP downstream to Dead Creek	Noncontinuous	Ш	В
9.	West Branch Peca- tonica River (Cobb)	From the Cobb STP downstream to confluence with an unnamed tributary NE1/4, NW1/4, Sec. 2, T5N, R1E.	Continuous	Ι	А
10.	Door Creek (Cottage Grove)	Door Creek upstream from STH 12 &18	Noncontinuous	Ι	А
		From STH 12 & 18 downstream to Lake Kegonsa	Continuous	Ι	NA
11.	Coon Branch (Cuba City)	Upstream from westerly tributary approximately 1 mile above STH 11	Noncontinuous	П	В
		Downstream from above tributary to confluence with Galena River	Continuous	Ι	NA
12.	Mud Creek and Trib- utary (Deerfield)	Tributary from Deerfield STP to confluence with Mud Creek	Effluent ditch	П	В
		Mud Creek from above tributary downstream to conflu- ence with Koshkonong Creek	Continuous	Ι	
13.	Indian Creek and Tributary (Dickey- ville)	Tributary from Dickeyville STP to confluence with Indian Creek	Noncontinuous	Π	NA
		Indian Creek from above tributary downstream to conflu- ence with Platte River	Continuous	Ι	А
14.	Dodge Branch (Dodgeville)	Upstream from a point approximately 3,500 feet down- stream from STH 191	Noncontinuous	Ι	А
15.	Tributary – North Branch Crawfish River (Fall River)	Tributary from the Fall River STP downstream to the North Branch Crawfish River	Noncontinuous	Π	Effluent limitations to be determined
16.	Gregory Branch (Fennimore)	Upstream from STH "61"	Continuous	Ι	А
17.	Tributary – Rock River (Hidden Meadows Mobile Home Park)	Tributary from the Hidden Meadows Mobile Park STP discharge downstream to the Rock River	Noncontinuous	Ш	В
18.	Big Spring Branch (Highland)	Upstream from the North line of Sec. 19, T7N, R1E	Noncontinuous	Ι	А
19.	Pedler Creek (Iowa Co. Nursing Home)	From the Iowa Co. Nursing Home STP downstream to the confluence with an unnamed tributary, $SE^{1}\!/_{4}$ , $SE^{1}\!/_{4}$ , Sec. 34, T6N, R2E	Noncontinuous	Ι	A
20.	Tributary – Wildcat Creek (Iron Ridge)	From the Iron Ridge STP downstream to Wildcat Creek	Noncontinuous	Ш	В
21.	Tributary & Rock River Tributary	From the Ixonia San. Dist. STP downstream to the junc- ture with the Rock River Tributary	Noncontinuous	П	В
	(Ixonia San. Dist.)	Rock River Tributary from above tributary to confluence with Rock River	Continuous	Ш	NA

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22.	Tributary – Menomi- nee River (James-	From Jamestown San. Dist. #2 STP to the Menominee River	Diffused surface water	П	В
	town San. Dist. #2)			w	D.
23.	Dead Creek (Juneau)	Upstream from CTH "M" From CHT M to St. Helena Rd.	Effluent ditch Continuous	П I	B NA
24.	Sinnipee Creek	From Kieler lagoon outfall to Bluff Road	Continuous	I	A
24.	(Kieler San. Dist. #1)	From Kieler lagoon odnan to Dun Koad	Continuous	1	1
25.	Rock Creek (Lake Mills)	From the Lake Mills STP downstream to CTH "V"	Noncontinuous	Ι	А
		From CTH "V" to Harper's Mill Pond	Continuous	Ι	NA
26.	Tributary – Pigeon Creek (Lancaster)	Tributary from Lancaster STP downstream to south line of section 10	Continuous	Ш	Effluent limitations to be determined
		Tributary from above point downstream to confluence with Pigeon Creek	Continuous	I	
27.	Tributary – Baker Creek (Lebanon San. Dist.)	From Lebanon STP downstream to Baker Creek	Noncontinuous	Ш	В
28.	Little Platte River (Livingston)	From Livingston STP downstream to New California Road	Noncontinuous	Ι	А
29.	Tributary–East Branch Rock River (Lomira)	Tributary upstream from confluence with East Branch Rock River.	Noncontinuous	Ι	А
30.	(Madison Metro Sewerage Commis- sion)	From the STP outfall aerator to the Oregon Branch	Effluent ditch	П	Effluent limitations to be determined
31.	Brewery (Furnace) Creek (Mineral Point)	Brewery Creek upstream from confluence with Mineral Point Branch	Continuous	П	B (Note: the above limita- tion shall remain in effect until significant nonpoint source prob- lems can be corrected)
32.	Tributary – Blue River (Montfort)	From the Montfort STP downstream to the Blue River	Continuous	Ι	А
33.	Little Grant River (Mount Hope)	From the Mt. Hope STP downstream to the west bound- ary of Sec. 10, T5N, R4W	Noncontinuous	Ι	А
34.	West Branch Sugar River (Mt. Horeb)	From Mt. Horeb STP downstream to CTH "JG."	Continuous	Ι	А
35.	Tributary – Austin- Branch (Orchard Manor)	Drainage from Orchard Manor outfall to Austin Branch	Diffused surface waters	Π	Effluent limitations to be determined
36.	Oregon Branch – Badfish Creek (Oregon)	From the Oregon outfall downstream to juncture with the Madison Met effluent ditch	Noncontinuous	П	Effluent limitations to be determined
		From this point downstream to CTH "A"	Continuous	Ι	
37.	Swan Creek and Tributary	Tributary from Orfordville ST Poutfall to Swan Creek.	Effluent ditch	Π	NA
	(Orfordville)	Swan Creek from confluence with above tributary to Dicky Road.	Noncontinuous	Ι	А
38.	Tributary – Blake Fork (Patch Grove)	Tributary from the Patch Grove STP downstream to Blake Fork	Noncontinuous	Ι	А
39.	Tributary – Honey Creek (Plain)	From the Plain STP downstream to Honey Creek	Continuous	Ι	Effluent limitations to be determined
40.	Randolph Branch – Tributary	From the Randolph STP downstream to Beaver Creek Tributary	Noncontinuous	П	Effluent limitations to be determined
	Beaver Creek (Randolph)	Tributary to Beaver Creek upstream from Beaver Creek	Noncontinuous	Ι	
41.	Tributary – Beaver Dam River (Reese- ville)	Tributary from Reeseville STP to confluence with Beaver Dam River	Noncontinuous	Ι	А
42.	Conley – Smith Creek (Ridgeway)	From the Ridgeway STP downstream to the south bound- ary of Sec. 14, T6N, R4E	Noncontinuous	Ι	Effluent limitations to be determined
43.	Tributary – Rocky Run Creek (Rio)	From the Rio STP downstream to Rocky Run Creek	Noncontinuous	II	В
44.	Tributary – Narrows Creek (Sauk Co. Health Care Center)	From the Sauk County Health Care Center STP down- stream to Narrows Creek	Noncontinuous	Ι	A
45.	Duck Creek and Tributary (Sullivan)	Tributary from the Sullivan STP to Duck Creek	Effluent channel	II	Effluent limitations to be determined
		Duck Creek from the effluent ditch downstream juncture with northerly drainage ditch in Sec. 5, T6N, R16E	Noncontinuous	Ι	

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46.	Koshkonong Creek (Sun Prairie)	Koshkonong Creek upstream from first bridge above Sun Prairie STP	Noncontinuous	П	Effluent limitations to be determined
		Koshkonong Creek from above location to CTH 'T'.	Continuous	II	
47.	Badger Mill Creek (Verona)	Badger Mill Creek from road at Verona STP downstream to STH "69".	Continuous	Ι	А
48.	Tributary – Murphy Creek (Wisconsin Department of Cor- rections – Oakwood State Camp)	Tributary from Oakwood State Camp STP downstream to Murphy Creek	Noncontinuous	Π	В

(1)

(2)

Criteria I requires the maintenance of surface water criteria specified in NR 104.02 (3) (a)2.

Criteria II requires the maintenance of surface water criteria specified in NR 104.02 (3) (b)2.

Effluent limitation A requires those limits specified in NR104.02 (3) (a)3.

Effluent limitation B requires those limits specified in NR 104.02 (3) (b)3.

NA—Not applicable

**History:** Cr. Register, September, 1976, No. 249, eff. 10–1–76; am. table 3, r. (3), Register, December, 1977, No. 264, eff. 1–1–78; correction in Table 3 made under s. 13.92 (4) (b) 6., Stats.

**NR 104.06 Variances and additions applicable in the southeast district.** Subject to the provisions of s. NR 104.04, intrastate surface waters in the southeast district counties of Kenosha, Milwaukee, Ozaukee, Racine, Walworth, Washington and Waukesha shall meet the criteria for fish and aquatic life and recreational use with exceptions and additions as follows.

(1) VARIANCE. Surface waters in the southeast district subject to a variance under s. NR 104.02 (3) are listed in table 4.

(2) OTHER VARIANCES. (a) The following surface waters in the southeast district shall meet the standards for fish and aquatic life except that the dissolved oxygen shall not be lowered to less than 2 mg/L at any time:

1. Underwood creek in Milwaukee and Waukesha counties below Juneau boulevard.

2. Barnes creek in Kenosha county.

3. Pike creek, a tributary of Pike river, in Kenosha county.

4. Pike river in Racine county.

5. Indian creek in Milwaukee county.

6. Honey creek in Milwaukee county.

7. Menomonee river in Milwaukee county below the confluence with Honey creek.

8. Kinnickinnic river in Milwaukee county.

9. Lincoln creek in Milwaukee county.

(b) The following surface waters in the southeast district shall meet the standards for fish and aquatic life except that the dissolved oxygen may not be lowered to less than 2 mg/L at any time nor may the ambient water temperature exceed  $89^{\circ}$ F at any time at the edge of the mixing zones established by the department under s. NR 102.05 (3):

1. Milwaukee river in Milwaukee county downstream from the North Avenue dam.

2. South Menomonee canal and Burnham canal in Milwaukee county.

### TABLE 4 SOUTHEAST DISTRICT

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	Surface Water (Facility Affected)	<b>Reach Description</b>	Hydrologic Classification	Applicable Criteria (1)	Effluent Limita- tions (2)
1.	Tributary – Onion River (Belgium)	From Belgium to the Onion River	Noncontinuous	Π	В
2.	Tributary – Des Plaines River (Bristol)	Tributary from Bristol to the Des Plaines River	Noncontinuous	Π	Effluent limitations to be determined
3.	Tributary - Darien Creek -	Darien Creek tributary from the origin to Darien Creek	Effluent ditch	II	В
	Little Turtle Creek (Darien)	Darien Creek from its origin to Little Turtle Creek	Continuous	Ι	NA
		Little Turtle Creek from its origin to Turtle Creek	Continuous	Ι	NA
4.	Eagle Creek	From Eagle Lake to CTH "J"	Noncontinuous	II	В
	(Eagle Lake San. Dist.)	From CTH "J" to the Fox River	Noncontinuous	Ι	NA
5.	East Branch Root	Upstream from STH "20"	Noncontinuous	II	В
	River Canal (Fonk Mobile Home Park #1)	From STH "20" downstream to the West Branch Root River Canal	Noncontinuous	Ι	NA
6.	Tributary – Des Plaines River (Fonk Mobile Home- Park #2 and Union Grove Ind.)	From Fonks tributary downstream to the Union Grove Industrial tributary	Noncontinuous	Π	Effluent limitations to be determined
		The Union Grove Industrial tributary to the juncture of Fonks tributary	Effluent ditch	Π	
		The Union Grove tributary below Fonks Trib.	Noncontinuous	Ι	NA
7.	Hales Corners Tributary (Hales Corners)	Upstream from the Hales Corners STP (except for Upper Kelly Lake)	Noncontinuous	II	NA
		From Hales Corners STP downstream to Whitehall Park Pond	Noncontinuous	Ι	А
8.	Dover Ditch – Goose Lake Branch Canal (Holy Redeemer College)	Dover Ditch upstream from Dover Line Road	Noncontinuous	Π	В
9.	Tributary–Muskego Lake (Muskego)	From the Muskego STP downstream to wetland near Muskego Lake	Effluent ditch	Π	Effluent limitations to be determined
		Drainage from above location to Muskego Lake	Wetland	П	

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10.	Tess Corners Creek (Mus- kego NE District)	Upstream from STH "45"	Noncontinuous	Ι	А
	kego i te bistrict)	From STH "45" downstream to Whitnall Park Pond	Continuous	I	NA
11.	Poplar Creek (New Berlin High School &	From the treatment plant outfalls downstream to the Chicago & Northwestern railroad bridge	Noncontinuous	П	В
	Cleveland Heights School)	From the railroad bridge downstream to the confluence of The Fox River	Continuous	Ι	NA
12.	Drainage and Tributary – Root River	From the New Berlin Memorial Hospital STP to Root River tributary	Diffuse Surface Waters	П	В
	(New Berlin Memorial Hospital)	Tributary to the Root River downstream from New Ber- lin Memorial Hospital STP	Noncontinuous	П	NA
13.	Deer Creek (New Berlin- Regal Manor)	Deer Creek from its origin to Poplar Creek	Noncontinuous	П	В
14.	Tributary – Lake Michigan (North Park)	Tributary from its origin to Lake Michigan	Noncontinuous	Ι	А
15.	Drainage - Tributary -	Drainage at Paddock Lake STP and near Brighton Creek	Wetland	II	В
	Brighton Creek (Paddock Lake)	Tributary between above wetlands areas	Noncontinuous	П	NA
16.	Drainage – Mud Lake (Paramski Mobile Home Park)	From the Mobile Home STP to Mud Lake	Wetland	П	В
17.	Tributary – Lake Michigan (Pleasant Park San. Dist.)	From the Pleasant Park STP to the Illinois State line	Noncontinuous	П	В
18.	Pleasant Prairie Tributary (Pleasant Prairie Util. Dis- trict D)	Pleasant Prairie Tributary from its origin to the Des Plaines River	Noncontinuous	П	Effluent limitations to be determined
19.	Tributary – Des Plaines (Pleasant Prairie S.D. #73–1)	From its origin to the Illinois State line	Noncontinuous	П	В
20.	Tributary and Hoods Creek	Tributary up from Hoods Creek towards Ives Grove	Noncontinuous	II	В
	(Racine County Hwy. & Park Comm.)	Hoods Creek from STH "20" downstream to confluence with Root River	Noncontinuous	I	NA
21.	Tributary – Root River (Rawson Homes Sanitary Trust)	From the Rawson Homes STP to the Root River	Noncontinuous	П	В
22.	Salem Branch (Salem Util- ity District 1)	Salem Branch from Salem Utility District 1 STP down stream to 216th Avenue.	Noncontinuous	Ι	А
23.	Little Turtle River (Sharon)	Little Turtle River from Sharon STP downstream to Rock– Walworth County line	Noncontinuous	II	В
24.	Drainage – Kenosha County (Sienadale Mother- house)	From the Sienadale STP downstream to an intermittent stream	Effluent ditch	П	Effluent limitations to be determined
		Intermittent stream in Secs. 13, 14,23, T1N, R22E	Noncontinuous	II	
25.	Tributary–Rubicon River (Slinger)	Rubicon River from origin downstream to easterly tribu- tary confluence in NW1/4 ,NE1/4 , Section 13, T10N, R18E	Noncontinuous	П	Effluent limitations to be determined
		Easterly tributary which flows into the Rubicon River at above location.	Wetland	П	
		Rubicon River from above location downstream to confluence with Slinger tributary	Noncontinuous	Ι	Effluent limitations to be determined
		Tributary of the Rubicon River from the Slinger STP downstream to the wetland adjacent to Slinger Road.	Effluent ditch	II	Effluent limitations to be determined
		Wetland adjacent to Slinger Road downstream from Slinger STP	Wetland	П	
		Tributary from above location downstream to Rubicon River	Noncontinuous	П	
26.	Tributary – South Branch Pike River	Tributary from its origin to South Branch Pike	Noncontinuous	П	Effluent limitations to be determined
	River (Somers Util Dist. 1)	South Branch Pike River from Somers Tributary to Pike River	Continuous	Ι	
27.	Tributary – Pike River (St. Bonaventure School)	Tributary from St. Bonaventure School STP down- stream to Sturtevant tributary	Noncontinuous	II	Effluent limitations to be determined
28.	Wayne Creek (St. Killian Cheese Factory)	Wayne Creek from its origin to the Kohlsville River	Noncontinuous	Ι	А
29.	Tributary – Pike River (Sturtevant)	Tributary from Sturtevant STP downstream to first rail- road crossing at S.C. Johnson Co.	Effluent ditch	П	NA
		Tributary from above location downstream to conflu- ence with Pike River	Continuous	Ι	А
30.	West Branch Root River Canal (Union Grove)	West Branch Root River Canal from 67th Drive down- stream to CTH "C"	Noncontinuous	П	NA

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		West Branch Root River Canal from above location downstream to STH "20."	Noncontinuous	Ι	А
31.	Tributary – Des Plaines River (Wis. DOT Kenosha Rest Area 26)	From the Information Center STP to the Des Plaines River	Noncontinuous	Ш	В
	(1) Criteria I requires the maintenance of surface water criteria specified in NR 104.02 (3) (a) 2.				
		Criteria II requires the maintenance of surface water criteria specified in NR 104.02 (3) (b) 2.			
	(2)	Effluent limitation A requires those limits specified in NR 104.02 (3) (a) 3.			
	Effluent limitation B requires those limits specified in NR104.02 (3) (b) 3. NA—Not applicable				

**History:** Cr. Register, September, 1976, No. 249, eff. 10–1–76; am. Table 4, Register, December, 1977, No. 264, eff. 1–1–78; reprinted to correct error in table 4, line 11, Register, August, 1982, No. 320; am. (2) (b), Register, February, 1989, No. 398, eff. 3–1–89; CR 19–014: am. (2) (a) (intro.), (b) (intro.) Register April 2020 No. 772, eff. 5–1–20.

TABLE 5

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**NR 104.07** Variances and additions applicable in the Lake Michigan district. Subject to the provisions of s. NR 104.04, intrastate surface waters in the Lake Michigan district counties of Brown, Calumet, Door, Florence, Fond du Lac, Green Lake, Kewaunee, Manitowoc, Marinette, Marquette, Menominee, Oconto, Outagamie, Shawano, Sheboygan, Waupaca, Waushara and Winnebago shall meet the criteria for fish and aquatic life and recreational use with exceptions and additions as follows:

in the following surface waters:

(a) Lake Winnebago.

(b) Fox river from Lake Winnebago downstream to the upper dam in the city of Appleton.

(c) West branch Wolf river at Neopit.

(d) Rainbow lake in Waupaca county.

(2) VARIANCE. Surface waters in the Lake Michigan district subject to a variance under s. NR 104.02 (3) are listed in table 5.

(1) ADDITION. The public water supply standard shall be met

	LAKE MICHIGAN DISTRICT				
	Surface Water (Facil- ity Affected)	Reach Description	Hydrologic Classification	Applicable Criteria (1)	Effluent Limitations (2)
1.	Ditch – Tributary – Rock River (Alto Co– op Creamery)	Ditch from the Alto Co-op process water dis- charge to the tributary	Effluent ditch	П	Effluent limitations to be determined
		Tributary from its origin to the Rock River	Noncontinuous	Ι	
2.	Tributary – Dutchman Creek	Tributary upstream from CTH "GH"	Noncontinuous	П	В
	(Austin Straubel Field)	From CTH "GH" to Dutchman Creek	Noncontinuous	Ι	NA
3.	Bear Creek (Bear Creek)	From the Bear Creek STP to the Embarrass River	Continuous	Ι	А
4.	Tributary – Fox River (Beucher & Sons of WI, Inc.)	From the discharge location downstream to the Fox River	Noncontinuous	Π	В
5.	Black Creek (Black Creek)	Black Creek from Black Creek STP to confluence with Shioc River (see Black Creek at Seymour)	Noncontinuous	Ι	А
6.	Drainage to Gallagher Marsh (Brandon)	Upstream from STH "49" to Brandon	Effluent ditch	п	В
		Drainage from STH "49" to Diffuse surface water	Diffuse surface water	II	NA
7.	Tributary–Spring Creek (Brillion)	Channel from Brillion STP to Spring Creek	Effluent ditch	П	NA
		Spring Creek upstream from Brillion Marsh	Continuous	Ι	А
8.	Barr Creek–Tributary (Cedar Grove)	Barr Creek and tributary to Cedar Grove STP upstream from Lake Michigan	Noncontinuous	Π	В
9.	Tributary – Taycheedah Creek (Congregation of St. Agnes Utilities)	Tributary from the Congregation of St. Agnes Uti- lities STP to Taycheedah Creek	Noncontinuous	Π	В
10.	Tributary – Rat River (Dale S.D. #1)	Tributary from Dale to the Winnebago–Outagamie County Line	Noncontinuous	П	В
		From the County Line to the Rat River	Continuous	Ι	NA
11.	Tributary–Neshota River (Denmark)	Tributary from Denmark downstream to Neshota River	Noncontinuous	Ι	А
12.	Tributary and Red River (Du Vall Farmers Co–op)	Tributary from the cheese factory discharge to the Red River	Diffused surface water	П	В
		Red River upstream from Green Bay	Noncontinuous	Ι	NA
13.	Tributary–DeNeveu Creek (Eden)	DeNeveu Creek tributary from Eden STP down- stream to confluence with DeNeveu Creek	Continuous	Ι	А
14.	Tributary – Grand River (Fairwater)	Tributary from the STP to the Grand River	Noncontinuous	Π	Effluent limitations to be determined
15.	Tributary – West Twin River (Francis Creek)	Tributary from the Francis Creek STP to CTH "Q"	Noncontinuous	П	В
16.	Tributaries and Duck Creek	Ditch leading from the STP to the tributary of Duck Creek	Effluent ditch	П	В
	(Freedom Elementary School)	Tributary to Duck Creek at Freedom Elementary School	Noncontinuous	Π	NA
	(Freedom San. Dist.)	Duck Creek upstream from CTH "J"	Noncontinuous	Ι	А

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Ive Mobile Home Pack         stream to Lake Winnehage           24.         Arrowhead River (Larsen Son Dirf, H) (Interpretation STIP 110)         Continuous         II         B           25.         Jose Creek, Ustam from CTH 19'         Continuous         I         NA           26.         Merree River (Town)         Continuous         I         NA           26.         Merree River (Town)         From Lift P special Lake outlet to Spring Valley         Continuous         I         A           27.         School Creek         School Creek         School Creek         A         A           28.         Mareme River (Town)         From Lift P special Lake outlet to Spring Valley         Continuous         I         A           28.         Tahbrary-Grand River         Conto threash Corporation SP to the Neemah         Iffluent dich         II         Bedeermined           29.         Meemak Slough         From the Mc. Calvary SP to the Shehoygan Rive         Noncontinuous         II         A           20.         River (Aclavary)         From Lake from its origin to Prine Creek         Noncontinuous         II         A           21.         River (Aclavary)         From the Mc. Calvary SPT to the Shehoygan Rive         Noncontinuous         II         A           22. <td< td=""><td>22.</td><td></td><td></td><td>Noncontinuous</td><td>Ι</td><td>А</td></td<>	22.			Noncontinuous	Ι	А
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(Menasha Corporation)     Slough Neemah Slough downstream to 500 feet below the Hwy 41 bridge     Noncontinuous     I       30.     Tributary - Sheboygan River (M. Calvary)     From the M. Calvary STP to the Sheboygan River Noncontinuous     Noncontinuous     I     A       31.     Tributary - Soneboygan River (M. Calvary)     Tributary Form Tecumsch Products to Jordan Creek     Effluent ditch     II     B       31.     Tributary - Jordan Creek     Jordan Creek from its origin to Pine Creek     Noncontinuous     II     B       32.     Black River (Oostor)     From Outagamie County Airport STP to tributary     Effluent ditch     II     B       33.     Tributary - Mud Creek     From Outagamie County Airport STP to tributary     Effluent ditch     II     B       34.     Wetland - Door County (Outagamie County     Tributary upstream from Casloma Rd.     Noncontinuous     II     NA       35.     Drainage Ditch - Wolf     From the discharge location downstream to the the Ural adjacent to Peninsula State Park STP     Wetlands     II     NA       36.     Tributary - North River (Peters Pour)     From the Vickle- Rice, Inc. discharge downstream to the Little Suamico River Bioket River (Peter Sonab     II     NA       37.     Tributary - North River (Pouter Sanab     Tributary form the STP to the North Branch of the Manitowoc River Creek from Annotow River Riree (Found)     II     A	28.			Effluent ditch	Π	
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41.       Mud Creek – Manitowoc River       From the Reedsville STP downstream to the Man- Noncontinuous       II       B         42.       Tributary – Arrowhead River (Reidgeway Country Club STP       Tributary to the Arrowhead River from the Ridge- way Country Club STP       Noncontinuous       II       B         43.       Tributary – Mud Creek (Town of Rockland       From the Rockland STP downstream to Mud Creek downstream to the Manitowoc Noncontinuous       II       B         5an. Dist. #1)       From Mud Creek downstream to the Manitowoc Noncontinuous       II       NA	40.			Continuous	Ι	А
42.       Tributary – Arrowhead River (Ridgeway Country Club)       Tributary to the Arrowhead River from the Ridge- way Country Club STP       Noncontinuous       II       B         43.       Tributary – Mud Creek (Town of Rockland       From the Rockland STP downstream to Mud Creek       Effluent ditch       II       B         5an. Dist. #1)       From Mud Creek downstream to the Manitowoc       Noncontinuous       II       NA	41.	Mud Creek - Manito-	From the Reedsville STP downstream to the Man-	Noncontinuous	П	В
43.     Tributary – Mud Creek     From the Rockland STP downstream to Mud     Effluent ditch     II     B       (Town of Rockland     Creek     San. Dist. #1)     From Mud Creek downstream to the Manitowoc     Noncontinuous     II     NA	42.	Tributary – Arrowhead River (Ridgeway	Tributary to the Arrowhead River from the Ridge-	Noncontinuous	П	В
San. Dist. #1) From Mud Creek downstream to the Manitowoc Noncontinuous II NA	43.	Tributary - Mud Creek		Effluent ditch	П	В
				Noncontinuous	Π	NA

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NR 104.08

44.	Tributary–West Branch Fond du Lac River (Rosendale)	Tributary from Rosendale STP downstream to confluence with West Branch Fond du Lac River	Noncontinuous	Ι	A
45.	Tributary – Vincent Point	Tributary from the golf course pond downstream to Vincent Point Creek	Effluent ditch	П	В
46.	Vincent Point Creek (Royal Scott San. Dist. #1)	Vincent Point Creek upstream from Green Bay	Noncontinuous	П	NA
47.	Maple Creek (Sevasto- pol San. Dist. #1)	Maple Creek from the Sevastopol S.D. STP to the center of Sec. 19, T28N, R27E	Noncontinuous	П	В
		From the center of Sec. 19 to Mud Lake	Wetlands	II	NA
48.	Black Creek (Seymour)	Black Creek from Seymour STP downstream to confluence with Shioc River (see Black Creek at Black Creek)	Noncontinuous	Ι	А
49.	Tributary – Onion River (Sheboygan Co. Comprehensive Health Center)	Tributary upstream from the Onion River	Noncontinuous	Π	В
50.	Diffused surface runoff to Sheboygan River	For approximately 100 yards below the discharge location	Effluent ditch	П	В
	(Sheboygan Falls– Kohler Incinerator)	For the remainder of the distance to the Sheboy- gan River	Diffused surface water	П	NA
51.	Drainage – Kankapot Creek (Sherwood)	Drainage tributary from Sherwood STP down- stream to wetland	Noncontinuous	Π	В
		Wetland receiving above tributary	Wetland	П	NA
52.	Bear Creek (Stephens- ville San. Dist.)	Bear Creek from STH 76 to the tributary in Sec. 19, T22N, R17E	Noncontinuous	П	В
	(Greenville San. Dist.)	Bear Creek from above location downstream to the Wolf River	Continuous	Ι	А
53.	Pine Creek (Stock Mfg. Corp. & Dinner Club)	From Carstens Lake outlet downstream to tribu- tary east of Hwy 141 in Sec.27, T18N, R23E	Noncontinuous	Π	В
		From tributary downstream to Lake Michigan	Continuous	II	NA
54.	Drainage to Mud Creek (Stockbridge Sanitary	Immediate vicinity of discharge before appearance of defined channel	Wetland	Π	В
	District)	Tributary from wetland area above to Mud Creek	Effluent ditch	II	NA
		Mud Creek upstream from confluence with Lake Winnebago	Noncontinuous	I	NA
55.	Tributary – Manitowoc River (Valders)	Tributary from Valders STP downstream to Man- itowoc River	Noncontinuous	П	В
56.	Tributary – Hempton's Lake (Whitelaw)	Tributary from Whitelaw downstream to Hemp- ton's Lake	Noncontinuous	П	Effluent limitations to be determined
57.	Tributary – Rat River (Winchester San. Dist.)	Tributary from Winchester to the Rat River	Noncontinuous	П	В
58.	Tributary – East River (Wrightstown San. Dist. #1)	Drainage from STP Tributary from Green leaf to East River	Effluent ditch Continuous	II I	Effluent limitations to be determined
59.	Birch Creek (Wright- stown San. Dist. #2)	Birch Creek from Norgaard's Pond downstream to the St. Paul & Pacific RR tracks	Noncontinuous	П	В
		From the RR tracks downstream to the East River	Continuous	II	NA

Criteria II requires the maintenance of surface water criteria specified in NR 104.02 (3) (b) 2.

Effluent limitation A requires those limits specified in NR 104.02 (3) (a) 3.

Effluent limitation B requires those limits specified in NR 104.02 (3) (b) 3.

NA-Not applicable

**History:** Cr. Register, September, 1976, No. 249, eff. 10–1–76; am. Table 5, Register, December, 1977, No. 264, eff. 1–1–76; r. entry 46, Table 5, Register, July, 1981, No. 307, eff. 8–1–81; r. and recr. (3) Register, August, 1981, No. 308, eff. 9–1–81; r. (3) (a), Register, May, 1986, No. 365, eff. 6–1–86; r. (3), Register, November, 1989, No. 407, eff. 12–1–89.

NR 104.08 Variances and additions applicable in the north central district. Subject to the provisions of s. NR 104.04, intrastate waters in the north central district counties of Adams, Forest, Juneau, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas and Wood shall meet the criteria for fish and aquatic life and recreational use with exceptions and additions as follows:

(2)

(1) ADDITION. The public water supply standards shall be met in Lake Nepco in Wood county.

(2) VARIANCE. Surface waters in the north central district subject to a variance under s. NR 104.02 (3) are listed in table 6.

NR 104.08

http://docs.legis.wisconsin.gov/code/admin\_code WISCONSIN ADMINISTRATIVE CODE

Surface Water Hydrologic Applicable Effluent Limita-(Facility Affected) **Reach Description** Classification Criteria (1) tions(2) 1. Elm Brook Upstream from Lincoln Road Noncontinuous Π В I (Abbotsford) Noncontinuous NA From Lincoln Road downstream to Dill Creek Π В 2. Hemlock Creek Hemlock Creek above junction with tributary in Noncontinuous NW1/4, NW1/4, Sec. 26, T24N,R4E (Arpin) Noncontinuous T NA From above location downstream to Dawes Creek 3. Little Bear Creek From Auburndale STP downstream to a tributary Noncontinuous Π В (Auburndale) in the NW1/4 , SW1/4 , Sec. 24, T25N,R4E Little Bear Creek from above location downstream I NA to CTH H 4. Dill Creek (Colby) Upstream from confluence with Elm Brook Noncontinuous I А Dill Creek from Elm Brook to the town road Continuous I NA between sections 29 and 32,T28N, R2E Tributary - Peshtigo Π From the Crandon STP to Peshtigo Lake Effluent limits to be 5. Noncontinuous Lake (Crandon) determined 6. Scotch Creek (Edgar) From CTH H downstream to Soda Creek Noncontinuous I Α 7. Tributary - Mill Creek From the Junction City STP downstream to Mill Noncontinuous Π В (Junction City) Creek Tributary - Wisconsin From outfall to unnamed lake in the NW1/4, Π В 8. Noncontinuous River (Land O Lakes) SW1/4, Sec. 2, R10E, T42N NA From the above location to Wisconsin River Continuous I Π 9. Tributary - North From outfall to small pond in the NW1/4, SW1/4 В Noncontinuous Branch Prairie River of Sec. 15, T33N, R7E (Lincoln Hills School) Π Mill Creek (Marsh-10. Mill Creek upstream from CTH K. Effluent ditch В field) 11. Randall Creek (Milan) From the discharge location to the middle north Wetland Π B or the 2nd alternative half of Sec. 21, T29N, R3E Marsh Creek (Milan S.D.) From proposed discharge site to the middle of Π В Diffused surface water Section 19, T29N, R3E From that point to the town road bridge between Noncontinuous Π NA Sections 25 & 36 From above location to Randall Creek Noncontinuous T NA Spirit Lake Drainage The area between the Northernaire Lake Terrace Π 12. Wetland в (Northernaire Lake Terdischarge and Spirit Lake race) 13. Tributary - Deerskin From the Phelps STP discharge to STH 17 Wetland Π В River (Phelps) From STH 17 to the town road between Secs. 12 Π Noncontinuous NA & 13, T41N, R11E From above location to Deerskin River Noncontinuous I NA Tributary - Wild Creek From STP to tributary of Wild Creek Diffused surface waters Π В 14. (Rozellville) Tributary upstream from Wild Creek Noncontinuous П NA Noncontinuous Wild Creek upstream from Eau Pleine River T NA From the Rudolph STP downstream to the town Tributary - Wisconsin Effluent ditch Π 15 B River (Rudolph) road in Sec. 16, T23N, R6E Π From above road down to tributary in Sec. 26, Noncontinuous NA T23N,R3E NA From above tributary downstream to the Wiscon-Continuous I sin River Π 16. Tributary - Little Eau From the Spencer STP to the tributary in the NE Effluent ditch В Pleine River (Spencer) corner of Sec. 8, T26N, R2E From above location downstream to the Little Eau Noncontinuous Π NA Pleine River 17. Tributary-Big Eau Tributary from Stratford downstream to Big Eau Π В Noncontinuous Pleine River (Stratford) Pleine R. Drainage to Town Line Drainage area between Three Lakes Sanitary Dis-Π 18. В Wetland Lake (Three Lakes trict STP and Town Line Lake Sanitary District) Π Tributary - Hemlock 19. From Vesper STP to the confluence with Hemlock NA Noncontinuous Creek (Vesper) Creek T Hemlock Creek from the Vesper Dam to Dawes Noncontinuous Α Creek

## TABLE 6 NORTH CENTRAL DISTRICT

## http://docs.legis.wisconsin.gov/code/admin\_code DEPARTMENT OF NATURAL RESOURCES

NR 104.09

(1) Criteria I requires the maintenance of surface water criteria specified in NR 104.02 (3) (a)2.

Criteria II requires the maintenance of surface water criteria specified in NR 104.02 (3) (b)2.

Effluent limitation A requires those limits specified in NR 104.02 (3) (a) 3.

Effluent limitation B requires those limits specified in NR 104.02 (3) (b) 3.

NA—Not applicable

(3) VARIANCE. (a) The Wisconsin river from the Rhinelander dam downstream to Crescent creek shall meet the standards for fish and aquatic life and recreational use except that the dissolved oxygen shall not be lowered to less than 3.0 mg/L at any time. This variance to the 5.0 mg/L dissolved oxygen criterion provided by this subsection shall expire on June 30, 1984.

(2)

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**History:** Cr. Register, September, 1976, No. 249, eff. 10–1–76; am. Table 6, Register, December, 1977, No. 264, eff. 1–1–78; am. Table 6, entry 10, Register, June, 1978, No. 270, eff. 7–1–78; r. and recr. (3), Register, August, 1981, No. 308, eff. 9–1–81.

Jackson, La Crosse, Monroe, Pepin, Pierce, Polk, St. Croix, Trempealeau and Vernon shall meet the criteria for fish and aquatic life and recreational use with exceptions and additions as follows: (1) ADDITION. The public water supply standard shall be met in the following surface waters:

104.04, intrastate waters in the west central district counties of

Barron, Buffalo, Chippewa, Clark, Crawford, Dunn, Eau Claire,

- (a) Black river at Neillsville.
- (b) Town creek at Black River Falls.

NR 104.09 Variances and additions applicable in the west central district. Subject to the provisions of s. NR

(2) VARIANCE. Surface waters in the west central district subject to a variance under s. NR 104.02 (3) are listed in table 7.

	WEST CENTRAL DISTRICT				
	Surface Water (Facility Affected)	Reach Description	Hydrologic Classification	Applicable Criteria (1)	Effluent Limitations (2)
1.	Drainage Area – CR. 31–16, Meyer's Valley Creek (Arcadia)	Drainage area south of railroad tracks and west of stabilization ponds in N1/2, NE1/4, Sec. 1, T20N, R10W	Wetland	Ш	В
		Cr. 31–16 (Meyer's Valley Creek) North of rail- road tracks to Trempealeau River	Continuous	Ι	NA
2.	Baldwin Creek–Rush River (Baldwin)	Baldwin Creek-upstream from confluence with Rush River.	Noncontinuous	Ι	А
		Rush River–upstream from St. Croix–Pierce County line.	Noncontinuous	Ι	А
3.	Tributary – Hay Creek (Boyd)	Tributary from Boyd STP downstream 1,300 feet	Noncontinuous	П	Effluent limitations to be determined
		Tributary from above location to Hay Creek	Continuous	Ι	
4.	Little La Crosse River (Cashton)	Little La Crosse River upstream from 0.2 miles north of line between Sections 24 and 25, T15N, R4W.	Noncontinuous	Ι	А
5.	Drainage Area Tribu- tary – South Branch Yellow River (Chili)	Drainage area in center of sec. 22, T25N, R1E	Wetland	Π	В
6.	Drainage – Tributary – South Branch Beaver Brook (Clayton)	Drainage area east of railroad tracks in W1/2, SE1/4, NE1/4, Sec. 13, T33N, R15W	Diffused surface waters	Π	В
7.	Tributary – Willow River (Clear Lake)	Tributary from Clear Lake STP downstream to Yellow River	Noncontinuous	Ι	
8.	Hay River (Cumberland)	Hay River from dam at Beaver Dam Lake down- stream to Town Road at northwest corner of Section 9.	Noncontinuous	Ι	A
9.	Drainage – Tributary – East Fork Poplar	Drainage area in center of S1/2 , NW1/4 , Sec. 32, T29N,R1E	Wetland	П	В
	River (Curtiss)	Tributary from 500 feet north of STH "29" to 500 feet south of STH "29"	Noncontinuous	П	NA
10.	Tributary – North Fork Poplar River (Dorchester)	Tributary from Dorchester STP to North Fork Pop- lar River	Noncontinuous	Ι	A
11.	Drainage Area – Tribu- tary to Fish Hatchery Creek (Dresser)	Drainage area upstream from constructed drainage ditch to the tributary of Fish Hatchery Creek.	Wetland	П	В
		Drainage ditch and tributary to Fish Hatchery Creek.	Noncontinuous	Ι	А
12.	Drainage – Tributary –Muddy Creek	Drainage Area from Elk Mound STP to culvert under I–94	Wetland	П	Effluent limitations to be determined
	(Elk Mound)	Tributary from I-94 downstream to Muddy Creek	Noncontinuous	Ι	
13.	Isabella Creek (Ellsworth)	Isabella Creek upstream from Town Road between Sections 28 and 33.	Noncontinuous	П	В
		Isabella Creek in Section 33.	Noncontinuous	Ι	NA
		Isabella Creek from above location downstream to CTH V.	Continuous	Ι	NA
14.	Drainage Area – Tributary Hutton Creek	From Emerald STP discharge to E/W town road in Sec. 13, T30N, R16W	Effluent ditch	П	В
	(Emerald, Emerald and Glenwood S.D.)	From E/W town road to Hutton Creek tributary	Diffused surface waters	II	NA
		Tributary to Hutton Creek and Hutton Creek	Noncontinuous	Π	NA

### TABLE 7 WEST CENTRAL DISTRICT Hydrologic

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15.	Tributary – School- house Creek (Fair- child)	From Fairchild STP to railroad grade in NW1/4 , Sec. 2, T24N,R5W	Effluent ditch	П	Effluent limitations to be determined
	ennu)	From above location along railroad grade to spring flow	Noncontinuous	Ι	
		From spring flow to Schoolhouse Creek	Continuous	Ι	
16.	Brown Brook Tributary – Trade River (Fred- eric)	Tributary from Frederic STP to confluence with Trade River	Noncontinuous	Ι	А
17.	Drainage Area (Hammond)	Drainage area in center of N1/2 , Sec. 28, T29N, R17W	Diffused surface waters	П	В
18.	Tributary – Yellow River (Lakeland San. Dist.)	Tributary from Lakeland stabilization ponds to Yellow River	Noncontinuous	Ι	А
19.	Bear Creek (Loyal)	Bear Creek from Loyal STP downstream to Town Road on north line of Section 8.	Noncontinuous	I	А
20.	Drainage – North Star Creek tributary to Trade River (Luck)	Tributary from Luck STP downstream to center of Section 21	Effluent ditch	Π	В
21.	Drainage Area Tributary Rice Lake (Milltown)	Drainage area north of Rice Lake in Section 17	Wetland	Π	В
22.	Drainage Area – Duncan Creek (New Auburn)	Drainage Area in S1/2 , SE1/4 , Sec. 36, T32N, R10W	Wetland	П	В
23.	Tributary – Allen Creek (Oakdale)	From Oakdale stabilization pond discharge south 375 feet to drainage ditch	Effluent ditch	П	В
		Drainage ditch south 900 feet and east to Allen Creek	Noncontinuous	П	NA
		Allen Creek	Continuous	I	NA
24.	Twin Lakes (Roberts)	Twin Lakes (east lake)	Wetland	II	В
25.	Drainage – La Crosse River (Rockland)	Drainage area in N1/2 , NW1/4 , Sec. 36, T17N, R5W	Wetland	П	В
26.	Tributary – Mormon Creek (St. Joseph)	Tributary from St. Joseph STP to Mormon Creek	Noncontinuous	Ι	А
27.	Tributary – North Fork Eau Claire River (Thorp)	Tributary from Thorp STP downstream to North Fork Eau Claire River	Noncontinuous	Ι	А
29.	Tributary to Springville Branch Bad Axe River (Vernon County Home)	Tributary from Vernon County Home in Sec. 29 downstream to large spring above Springville	Noncontinuous	Π	В
30.	Tributary to Springville Branch Bad Axe River (Viroqua)	Tributary from Viroqua STP in Sec. 31 down- stream to large spring above Springville.	Noncontinuous	П	Effluent limitations to be determined.
31.	Tributary to North Fork Bad Axe River (Westby)	Tributary from Westby STP downstream to line between Sec. 35 and 36, T14N, R5W.	Noncontinuous	П	В
32.	Drainage Area – Trempealeau River (Whitehall)	Drainage area from Whitehall STP to Trempealeau River	Wetland	Ш	В
33.	Tributary–Eau Galle River (Woodville)	Tributary from Woodville STP downstream to Eau Galle River	Noncontinuous	П	В
		Eau Galle River downstream to CTH N	Noncontinuous	II	NA
	(1)	Criteria I requires the maintenance of surface wa Criteria II requires the maintenance of surface w	-		

Criteria II requires the maintenance of surface water criteria specified in NR 104.02 (3) (b)2.

NA – Not applicable.

History: Cr. Register, September, 1976, No. 249, eff. 10–1–76; am. table 6, Register, December, 1977, No. 264, eff. 1–1–78; r. (2) table 7, entry 28, Register, September, 1981, No. 309, eff. 10–1–81.

**NR 104.10 Variances and additions applicable in the northwest district.** Subject to the provisions of s. NR 104.04, intrastate waters in the northwest district counties of Ashland, Bayfield, Burnett, Douglas, Iron, Price, Rusk, Sawyer, Taylor and Washburn shall meet the criteria for fish and aquatic life and recreational use with exceptions and additions as follows: (1) ADDITION. The public water supply standard shall be met in the following surface waters:

- (a) Lake Lavina in Iron county.
- (b) Little Rib lake in Taylor county.

(2) VARIANCE. Surface waters in the northwest district subject to a variance under s. NR 104.02 (3) are listed in table 8.

(2)

Effluent limitation A requires those limits specified in NR104.02 (3) (a)3.

Effluent limitation B requires those limits specified in NR104.02 (3) (b)3.

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Seepage Area near Brunet River (Winter)

Drainage from Village

of Turtle Lake to Moon Creek (Turtle Lake) Area receiving the Winter lagoon effluent

Drainage area from effluent pipes to impoundment

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TABLE 8 NORTHWEST DISTRICT					
Surface Water (Facility Affected)	Reach Description	Hydrologic Classification	Applicable Criteria (1)	Effluent Limitations (2)	
Drainage to Amnicon River (Camp Amnicon)	Drainageway from the Camp Amnicon lagoon to the Amnicon River	Diffused surface water	Π	В	
Ditch & Seepage Area (Clam Lake Field Sta.)	Channel receiving Clam Lake Field Station polish- ing pond effluent	Effluent ditch	П	В	
Bear Creek (Douglas Co. Health Care Facil- ity)	Bear Creek from the Douglas Co. Health Care Facility STP to Allouez Bay	Noncontinuous	Ι	А	
Drainage to Hackett Creek (Flambeau State Camp)	Drainage from Flambeau State Camp lagoon to Hackett Creek	Wetland	Π	В	
Drainage to Yellow River (Gilman)	Drainage area from Gilman lagoon to Yellow River	Diffused surface water	II	В	
Tributary – Deertail Creek (Glen Flora Sch.)	Channel from Glen Flora School polishing pond to Deertail Creek	Effluent ditch	П	Effluent limits to be determined	
South Fork Main Creek (Hawkins)	South Fork Main Creek from Hawkins Millpond Dam downstream to CTH M	Continuous	Ι	А	
Bradley Brook (Hayward)	From Hayward STP outfall to the confluence with Namekagon River	Continuous	Ι	А	
Tributary – Cemetery Creek (Iron Belt)	Channel from the Iron Belt STP outfall to Ceme- tery Creek	Effluent ditch	П	Effluent limits to be determined	
Wetland near Frog Creek (Minong)	Wetland receiving Minong STP effluent	Wetland	П	В	
Tributary & Bardon Creek (Northwestern	From the school polishing pond to Bardon Creek	Noncontinuous	П	В	
Junior–Senior High School)	Bardon Creek	Noncontinuous	Ι	NA	
Wetland near Holmes Creek (Ogema)	Wetland receiving Ogema lagoon effluent	Wetland	П	В	
Drainageway and Trib- utary to a Tributary of Whittlesey Creek	Drainageway from Ondossagon School polishing pond to a noncontinuous tributary to an unnamed tributary to Whittlesey Creek	Diffused surface water	П	Effluent limits to be determined	
(Ondossagon School)	Noncontinuous tributary to an unnamed tributary to Whittlesey Creek	Noncontinuous	Ι		
Drainage to the Black River (Pattison State Park)	Drainageway from Pattison Park STP to the Black River	Diffused surface water	П	Effluent limits to be determined	
Drainage to Meads Creek (Pence)	Drainage Area from Pence STP to Meads Creek	Wetland	II	В	
Drainage to Lake Superior (Pureair)	Drainageway from the Pureair STP to Lake Supe- rior	Diffused surface water	П	В	
Drainage Area – Coud- eray River (Radisson)	Wetland receiving Radisson STP effluent	Wetland	П	В	
Sheep Ranch Creek (Rib Lake)	Sheep Ranch Creek from Rib Lake STP down- stream to first town road	Continuous	Ι	А	
Tributary – Sawyer Creek (Shell Lake)	Channel from the Shell Lake STP outfall to Saw- yer Creek	Diffused surface water	Ш	Effluent limits to be determined	
Wetland (Siren)	Wetland receiving Siren STP effluent	Wetland	II	B	
Ditch & West Branch Big Eau Pleine River	Channel from the Stetsonville lagoon to the West Branch Big Eau Pleine River	Effluent ditch	Ш	Effluent limits to be determined	
(Stetsonville)	West Branch Big Eau Pleine River downstream to tributary in the NW1/4, SW1/4, Sec. 29, T30N, R2E	Noncontinuous	I		
Drainage to Pokegama River	Drainageway from Village of Superior lagoon to Pokegama River	Diffused surface water	II	В	
(Superior, Village of)	Pokegama River from above location to St. Louis Bay	Continuous	Ι		
Drainage to	Channel from Tony lagoon to wetland	Effluent ditch	Π	В	
Deertail Creek (Tony)	Drainage from effluent ditch to Town Line Rd.	Wetland	II	NA	
Tributary – Clam River	Tributary to Deertail Creek below Town Line Rd. Tributary from the Webster lagoon to the Clam	Noncontinuous Noncontinuous	I II	NA B	
(Webster) Tributary – Soft Maple	River Drainage from Weyerhauser lagoon to tributary	Diffused surface water	II	В	
Creek (Weyerhauser)	Tributary of Soft Maple Creek upstream from	Noncontinuous	П	NA	
Coopera Area noo- D	CTH "F"	Diffused surface water	п	P	

Diffused surface water

Wetland

II

II

В

В

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	Impoundment formed by constructed dam in the SW1/4, SW1/4, sec. 32, T34N, R14W	Flowage	II	NA
	Drainage from the dam to the south line of sec. 32, T34N, R14W	Noncontinuous	Ι	NA
	Drainage area from the north line to the south line of sec. 5, T33N, R14W	Wetland	П	NA
(1) Criteria I requires the maintenance of surface water criteria specified in NR 104.02 (3) (a)2.				

(2)

Criteria II requires the maintenance of surface water criteria specified in NR 104.02 (3) (b)2.

Effluent limitation A requires those limits specified in NR104.02 (3) (a)3.

Effluent limitation B requires those limits specified in NR104.02 (3) (b)3.

NA - Not applicable

(3) OTHER VARIANCES. (a) The Flambeau river from the upper dam at Park Falls downstream to the Crowley dam shall meet the standards for fish and aquatic life and recreational use, except that the dissolved oxygen may not be lowered to less than 3.0 mg/L at any time. On June 30, 1984, this variance shall expire and after that date all portions of the Flambeau river shall meet the standards for fish and aquatic life and recreational use, including the dissolved oxygen standard of 5.0 mg/L.

(b) Newton creek in the city of Superior, from the headwaters to its mouth into Hog Island Inlet of Superior Bay shall be classified as a noncontinuous stream and shall also be classified for fish and aquatic life uses with the subcategory of limited forage fish communities. Hog Island Inlet and Superior Bay shall be classified for fish and other aquatic life uses with the subcategory of great lake communities.

**History:** Cr. Register, September, 1976, No. 249, eff. 10–1–76; am. table 8, Register, December, 1977, No. 264, eff. 1–1–78; cr. entry 27, table 8, Register, September, 1981, No. 309, eff. 10–1–81; am. (3) (a), Register, May, 1983, No. 329, eff. 6–1–83; am. (3) (b), Register, February, 1989, No. 398, eff. 3–1–89; am. (3) (b), Register, April, 1991, No. 424, eff. 5–1–91.

## Subchapter II — Interstate Waters

**NR 104.20 Wisconsin–Illinois waters. (1)** The Des Plaines River, Pitscasaw Creek, Nippersink Creek and Turtle Creek upstream of the Rock–Walworth county line are used for wildlife and stock watering, waste assimilation, warm water fishery and recreation. Dutch Gap Canal and Trevor Creek have similar uses excepting waste assimilation. The main stems of these streams shall meet the requirements for recreational use and fish and aquatic life.

(2) The Fox River is used for recreation, waste assimilation, industrial supply, fishing and irrigation. Water quality in the Fox River shall meet the standards for recreational use and fish and aquatic life.

(3) Benet/Shangrila, Cross and Elizabeth Lakes are located on the Wisconsin–Illinois boundary and used for fishing and recreation. Their water quality shall meet the requirements for fish and aquatic life and recreational use.

(d) The Rock River and Sugar River are used for waste assimilation, recreation, fish and aquatic life, irrigation, stock and wildlife watering and hydropower. Their waters shall meet water quality standards for recreational use and fish and aquatic life.

(5) Turtle Creek below the Rock–Walworth county line, Raccoon Creek, East Fork Raccoon Creek, East Fork Galena River, Spafford Creek, Menominee River, Pecatonica River and Galena River are used for recreation, stock and wildlife watering, waste assimilation and fish and aquatic life. Richland Creek and East Branch Richland Creek, Apple River and West Fork Apple River, Sinsinawa River, Little Menominee River and a tributary of the East Fork Galena River have similar uses excepting waste assimilation. Water quality of these streams shall meet standards for recreational use and fish and aquatic life.

(6) Honey Creek is used for waste assimilation, stock and wildlife watering, recreation and fish and aquatic life. A section from the Wisconsin–Illinois state line upstream to the Clarno–Cadiz town line shall meet the requirements for recreational use and fish and aquatic life.

(7) The sector of Honey Creek above the Clarno–Cadiz town line shall meet the standards for fish and aquatic life except that the dissolved oxygen shall not be lowered to less than 2 mg/L at any time.

History: Cr. Register, September, 1973, No. 213, eff. 10–1–73; renum. from NR 103.01, Register, July, 1991, No. 427, eff. 8–1–91; CR 19–014: am. (7) Register April 2020 No. 772, eff. 5–1–20.

NR 104.21 Wisconsin–Minnesota–Iowa–Illinois waters. The Mississippi River is used for commercial and recreational fishing, industrial and cooling water supply, boating, hunting, commercial shipping and waste assimilation. Water quality shall meet the standards and requirements for recreational use and fish and aquatic life.

**History:** Cr. Register, September, 1973, No. 213, eff. 10–1–73; renum. from NR 103.02, Register, July, 1991, No. 427, eff. 8–1–91.

**NR 104.22 Wisconsin–Minnesota waters. (1)** The St. Croix River has high scenic and aesthetic value and is used for recreation, fishing, hydropower, commercial shipping, stock and wildlife water supply, and waste assimilation. An anticipated use involves industrial and cooling water supply. Its water quality shall meet the standards and requirements for recreational use and fish and aquatic life. The standards for public water supply shall be met downstream from the north line of Polk county.

(2) Upper Tamarack River, East Branch Hay Creek and West Branch Hay Creek are used for recreation, fishing, and stock and wildlife water supply. Their water quality shall meet the requirements for recreation and fish and aquatic life.

(3) The St. Louis River adjoining Wisconsin is used for recreation, fishing, waste assimilation and commercial shipping. It is anticipated that a future use in the Lower St. Louis River will include cooling and industrial water supply. The St. Louis River water quality shall meet standards for recreational use and fish and aquatic life.

(4) Black River and Black Lake, Nemadji River and South Fork Nemadji River, Mud Creek, Clear Creek, Pokegama River and Red River are used for fishing, stock and wildlife water supply and recreation. Water quality of these streams shall meet the standards and requirements for recreation and fish and aquatic life. A section of Black River is classified for trout.

History: Cr. Register, September, 1973, No. 213, eff. 10–1–73; renum. from NR 103.03, Register, July, 1991, No. 427, eff. 8–1–91.

NR 104.23 Wisconsin–Minnesota–Michigan waters. Lake Superior is used for recreation, commercial and recreational fishing, shipping, municipal water supply, industrial and cooling water, and waste assimilation. Lake Superior open waters shall meet the criteria and requirements for public water supplies. All waters of Lake Superior shall meet the standards for recreational use and fish and aquatic life.

**History:** Cr. Register, September, 1973, No. 213, eff. 10–1–73; renum. from NR 103.04, Register, July, 1991, No. 427, eff. 8–1–91.

**NR 104.24 Wisconsin–Michigan waters. (1)** The Montreal River is used for hydropower, recreation, wildlife and stock watering, waste assimilation and has aesthetic value. Its waters shall meet the standards and requirements for recreational use and fish and aquatic life.

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(2) Several waters cross the Wisconsin–Michigan line including Wester Creek, Black River tributaries, McDonald Creek tributaries, Bena Lake Inlet, Harris Creek, Moraine Creek, Oxbow Lake Inlet, Unnamed Creek between Little Presque Isle Lake and Twin Island Lake, South and East Branch Presque Isle River, tributary to Palmer Lake, Johnson Springs Outlet, Lobischer Creek and Elvoy Creek and the following lakes:

(a)	Unnamed (T44N,	(j)	Big
	R5E, Sec.18)	(k)	West Bay
(b)	Moraine	(L)	Mamie
(c)	Stateline	(m)	Big Bateau
(d)	Basin	(n)	Mill
(e)	Little Presque Isle	(o)	Crystal
(f)	Roach	(p)	Eleanor
(g)	Tenderfoot	(q)	Lac Vieux Desert
(h)	Plum	(r)	Nurwood
(i)	Crampton	(s)	Smoky

Uses of these waters include fishing, recreation, aesthetic, and stock and wildlife watering. Their water quality shall meet the requirements and standards for recreation and fish and aquatic life. The Black River tributaries and Elvoy Creek are classified as trout waters.

(3) The Brule and Menominee Rivers are used for hydropower production and the latter stream is used for waste assimilation and industrial water supply. Fishing, recreation, aesthetic values and stock, and wildlife watering are common to both. The Brule River is classified as a trout stream and it shall meet the requirements for recreation and the standards for trout waters. Waste quality requirements and standards on the Menominee River shall meet the standards for recreational use and fish and aquatic life.

(4) Green Bay is used for public water supply, recreation, commercial and recreational fishing, industrial and cooling water, and waste assimilation. The waters of Green Bay, except as provided below, shall meet the standards for fish and aquatic life and recreational use.

(5) Green Bay waters southeasterly from the navigation channel and southerly from the north line of Brown County shall from January 1 to April 1 annually meet the standards for recreational use and fish and aquatic life except that the dissolved oxygen shall not be lowered to less than 2 mg/L at any time.

History: Cr. Register, September, 1973, No. 213, eff. 10–1–73; renum. from NR 103.05, Register, July, 1991, No. 427, eff. 8–1–91.

**NR 104.25 Wisconsin–Michigan–Illinois–Indiana waters.** Lake Michigan is used for recreation, commercial and recreational fishing, shipping, public water supply, waste assimilation, and industrial and cooling water. All Lake Michigan waters shall meet the standards for public water supplies and the standards for recreational use and fish and aquatic life, in addition to the thermal criteria contained in s. NR 102.04, Stats.

History: Cr. Register, September, 1973, No. 213, eff. 10–1–73; reprinted to correct printing error, Register, February, 1987, No. 374; renum. from NR 103.06, Register, July, 1991, No. 427, eff. 8–1–91; correction made under s. 13.93 (2m) (b) 7., Stats., Register January 2002 No. 553.

**NR 104.26 Trout waters.** Trout waters include the open waters of Lakes Superior and Michigan as well as those classified by the department of natural resources. They must be given special protection as required by the fish and aquatic life standards.

**History:** Cr. Register, September, 1973, no. 213, eff. 10–1–73; reprinted to correct printing error, Register, February, 1987, No. 374; renum. from NR 103.07, Register, July, 1991, No. 427, eff. 8–1–91.

**NR 104.27 Fish reproduction.** Standards adequate to maintain fish reproduction shall be maintained in the open waters of Lake Superior and Lake Michigan and in all other interstate waters which are designated by the department as of primary importance in the public interest for the maintenance of fish reproduction.

History: Cr. Register, September, 1973, No. 213, eff. 10–1–73; renum. from NR 103.08, Register, July, 1991, No. 427, eff. 8–1–91.

**NR 104.28 Revision of designated uses.** Modification of the uses and designated standards established in this chapter may be initiated by the department, by petition of any interested person, or by the natural resources board, subject to the provisions of ch. 227, Stats.

**History:** Cr. Register, September, 1973, No. 213, eff. 10–1–73; renum. from NR 103.08, Register, July, 1991, No. 427, eff. 8–1–91.