

Presented below are water quality standards that are in effect for Clean Water Act purposes.

EPA is posting these standards as a convenience to users and has made a reasonable effort to assure their accuracy. Additionally, EPA has made a reasonable effort to identify parts of the standards that are not approved, disapproved, or are otherwise not in effect for Clean Water Act purposes.

December 11, 2013

Summary of EPA's Actions on Illinois' New and Revised Water Quality Standards for the CAWS and LDPR

On September 26, 2011, the Illinois Environmental Protection Agency (IEPA) submitted, for review and approval by the U.S. Environmental Protection Agency in accordance with section 303(c) of the Clean Water Act (CWA), Illinois' new and revised water quality standards for 17 specific segments of the Chicago Area Waterway System (CAWS) and Lower Des Plaines River (LDPR). These new and revised water quality standards are set forth at 35 Ill. Admin. Code 301.247, 301.282, 301.307, 301.323, 301.324, 303.102, 303.204, 303.220, 303.225, 303.227 and 303.441. The IEPA also submitted relevant portions of the administrative record developed by the Illinois Pollution Control Board (IPCB) in support of the new and revised water quality standards, including Use Attainability Analyses (UAAs) for the CAWS and the LDPR. On October 26, 2011, the Illinois Attorney General's Office submitted a letter to the EPA certifying, in accordance with 40 CFR 131.6(e), that Illinois' new and revised water quality standards were duly adopted pursuant to Illinois law.

On November 3, 2011, the EPA approved a portion of Illinois' new and revised water quality standards in accordance with section 303(c)(3) of the CWA. Specifically, the EPA approved 35 Ill. Admin. Code 301.282, 301.323 and 303.220(a)-(b) and (d)-(f), which established definitions of "Primary Contact Recreation" and "Incidental Contact Recreation," and established a Primary Contact Recreation use designation for five segments of the CAWS.

On May 10, 2012 (as superseded by EPA's May 16, 2012 letter), EPA addresses new and revised standards pertaining to recreation for the 12 segments not addressed in EPA's November 3, 2011 letter, as well as other uses (e.g., aquatic life) and associated criteria for all CAWS and LDPR segments (see Table 1).

Table 1. Summary of EPA’s actions regarding each segment of the CAWS and LDPR and their applicable water quality standards with regards to recreation and uses other than recreation, where “uses other than recreation” means the aspects of the General Use that provides protection for aquatic life and wildlife, agricultural use, most industrial uses, and aesthetic quality as described in 35 Ill. Admin. Code 302.202.

<p>Lower North Shore Channel from North Side Water Reclamation Plant to confluence with North Branch of the Chicago River; North Branch of the Chicago River from its confluence with North Shore Channel to its confluence with South Branch of the Chicago River and Chicago River; South Branch of the Chicago River; Little Calumet River from its confluence with Calumet River and Grand Calumet River to its confluence with Calumet-Sag Channel; Calumet-Sag Channel</p>	
EPA’s May 2012 Actions	Applicable WQS
Recreational Uses	
<p>Approved 35 Ill. Admin. Code 301.282, 301.323, and 303.220(a)-(b) and (d)-(f) to the extent that they establish a primary contact recreation use for these five segments.</p> <p><i>Per EPA’s Nov. 3, 2011 action letter.</i></p>	Primary Contact Recreation Use
Other Standards	
<p>Approved 35 Ill. Admin. Code 301.247 and 303.204 to the extent that they retain previously-approved Indigenous Aquatic Life standards for these five segments.</p> <p>Approved repeal of 303.441(b),(c), (g), and (h) and the first sentence of (j).</p> <p>Disapproved repeal of last sentence at 35 Ill. Admin. Code 303.441(j) that removed the site-specific dissolved oxygen criteria that previously applied for the Lower North Shore Channel.</p>	<p>Indigenous Aquatic Life Use and criteria set forth in 35 Ill. Admin Code 302 Subpart D.</p> <p>Additionally, the dissolved oxygen in the Lower North Shore Channel shall not be less than 5 mg/l during 16 hours of any 24 hour period, nor less than 4 mg/l at any time.</p>

Table 1 (Continued)

Chicago River	
EPA's May 2012 Actions	Applicable WQS
Recreational Uses	
Approved 35 Ill. Admin. Code 303.220(c) to the extent that it changed the name of the recreation use designation from "General Use" to "Primary Contact Recreation."	Primary Contact Recreation Use
Other Standards	
Disapproved 35 Ill. Admin. Code 301.247, 303.204 and 303.220(c) to the extent that they removed: (1) the aspects of Illinois' General Use designation that protected uses other than recreation, and (2) all General Use criteria, including criteria protecting primary contact recreation and uses other than recreation.	General Use and criteria set forth in 35 Ill. Admin Code 302 Subpart B

Table 1 (Continued)

<p>South Fork of the South Branch of the Chicago River (Bubbly Creek); Chicago Sanitary and Ship Canal from its confluence with South Branch of the Chicago River to its confluence with Calumet-Sag Channel; Lake Calumet; Lake Calumet Connecting Channel; Grand Calumet River; Lower Des Plaines River from the Brandon Road Lock and Dam to Interstate 55 bridge</p>	
EPA's May 2012 Actions	Applicable WQS
Recreational Uses	
<p>Approved 35 Ill. Admin. Code 303.225(b)-(c) and (e)-(h) that changed the name of the recreational use designation from "Secondary Contact" to "Incidental Contact Waters" for these six segments.</p> <p>Approved repeal of 303.441(d), (f), and (g) to the extent the repeal removes the previous "Secondary Contact" use for these segments.</p> <p>Approved repeal of 303.441(a) to the extent the repeal removes the previous "Secondary Contact" use for the portion of the Chicago Sanitary and Ship Canal extending from its confluence with South Branch of the Chicago River to its confluence with Calumet-Sag Channel.</p> <p>Approved repeal of 303.441(i) to the extent the repeal removes the previous "Secondary Contact" use for the portion of the Lower Des Plaines River from the Brandon Road Lock and Dam to Interstate 55 bridge.</p>	<p>Incidental Contact Recreation Use</p>
Other Standards	
<p>Approved 35 Ill. Admin. Code 301.247, 301.307 and 303.204 to the extent that they retain previously-approved Indigenous Aquatic Life standards pertaining to these six segments.</p> <p>Approved repeal of 303.441(a), (d)-(g), and (i) to the extent they retain previously-approved Indigenous Aquatic Life standards for these six segments.</p>	<p>Indigenous Aquatic Life Use and criteria set forth in 35 Ill. Admin Code 302 Subpart D</p>

Table 1 (Continued)

Calumet River from O'Brien Locks and Dam to its confluence with Grand Calumet River and Little Calumet River	
EPA's May 2012 Actions	Applicable WQS
Recreational Uses	
Approved 35 Ill. Admin. Code 303.225(d) to the extent that the revisions changed the name of the recreational use designation "Secondary Contact" to "Incidental Contact Waters" for the portion of the Calumet River from O'Brien Locks and Dam to its confluence with Grand Calumet River and Little Calumet River	Incidental Contact Recreation Use
Other Standards	
<p>Approved 35 Ill. Admin. Code 301.247, 301.307 and 303.204 to the extent that they retain previously-approved Indigenous Aquatic Life standards for the portion of the Calumet River from O'Brien Locks and Dam to its confluence with Grand Calumet River and Little Calumet River</p> <p>Approved repeal of 303.441(e) to the extent that they retain previously-approved Indigenous Aquatic Life standards for the portion of the Calumet River from O'Brien Locks and Dam to its confluence with Grand Calumet River and Little Calumet River</p>	Indigenous Aquatic Life Use and criteria set forth 35 Ill. Admin Code 302 Subpart D

Table 1 (Continued)

Upper North Shore Channel from Wilmette Pumping Station to North Side Water Reclamation Plant; Calumet River from Lake Michigan to the O'Brien Locks and Dam	
EPA's May 2012 Actions	Applicable WQS
Recreational Uses	
Disapproved 35 Ill. Admin. Code 303.225(a), 303.225(d), and 303.227(a) to the extent that they removed the aspects of the General Use designation providing for recreation in and on the water for these two segments.	General Use
Other Standards	
Disapproved 35 Ill. Admin. Code 301.247, 303.204, 303.225(a), 303.225(d), and 303.227(a), to the extent that they removed: (1) the aspects of Illinois' General Use designation that protected uses other than recreation and (2) all General Use criteria, including criteria protecting primary contact recreation and uses other than recreation.	General Use and criteria set forth in 35 Ill. Admin Code 302 Subpart B

Table 1 (Continued)

Chicago Sanitary and Ship Canal from its confluence with the Calumet-Sag Channel to its confluence with Des Plaines River; Lower Des Plaines River from its confluence with Chicago Sanitary and Ship Canal to the Brandon Road Lock	
EPA's May 2012 Actions	Applicable WQS
Recreational Uses	
<p>Disapproved 35 Ill. Admin. Code 303.227(b) that changed the recreation use designation from "Secondary Contact" to "Non-recreational" for these two segments.</p> <p>Disapproved repeal of 303.441(a) to the extent the repeal removed the Secondary Contact Recreational Use designation for the Chicago Sanitary and Ship Canal from its confluence with the Calumet-Sag Channel to its confluence with Des Plaines River.</p> <p>Disapproved repeal of 303.441(i) to the extent the repeal removed the Secondary Contact Recreational Use designation for the Lower Des Plaines River from its confluence with Chicago Sanitary and Ship Canal to the Brandon Road Lock.</p>	Secondary Contact Recreation Use
Other Standards	
<p>Approved 35 Ill. Admin. Code 301.247, 301.307 and 303.204 to the extent that they retain previously-approved Indigenous Aquatic Life standards for these two segments.</p> <p>Approved repeal of 303.441(a) and (i) to the extent that they retain previously-approved Indigenous Aquatic Life standards for these two segments.</p>	Indigenous Aquatic Life Use and criteria set forth 35 Ill. Admin Code 302 Subpart D

TITLE 35: ENVIRONMENTAL PROTECTION
SUBTITLE C: WATER POLLUTION
CHAPTER I: POLLUTION CONTROL BOARD

PART 303
WATER USE DESIGNATIONS AND SITE-SPECIFIC WATER QUALITY
STANDARDS

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- 303.445 Total Dissolved Solids Water Quality Standard for the Lower Des Plaines River
- 303.446 Boron Water Quality Standard for Segments of the Sangamon River and the Illinois River
- 303.447 Unnamed Tributary of the South Branch Edwards River and South Branch Edwards River
- 303.448 Mud Run Creek

SUBPART D: THERMAL DISCHARGES

Section

- 303.500 Scope and Applicability
- 303.502 Lake Sangchris Thermal Discharges

- 303.APPENDIX A References to Previous Rules
- 303.APPENDIX B Sources of Codified Sections

AUTHORITY: Implementing Section 13 and authorized by Sections 11(b) and 27 of the Environmental Protection Act [415 ILCS 5/13, 11(b) and 27].

SOURCE: Filed with the Secretary of State January 1, 1978; amended at 2 Ill. Reg. 27, p. 221, effective July 5, 1978; amended at 3 Ill. Reg. 20, p. 95, effective May 17, 1979; amended at 5 Ill. Reg. 11592, effective October 19, 1981; codified at 6 Ill. Reg. 7818; amended at 6 Ill. Reg. 11161, effective September 7, 1982; amended at 7 Ill. Reg. 8111, effective June 23, 1983; amended in R87-27 at 12 Ill. Reg. 9917, effective May 27, 1988; amended in R87-2 at 13 Ill. Reg. 15649, effective September 22, 1989; amended in R87-36 at 14 Ill. Reg. 9460, effective May 31, 1990; amended in R86-14 at 14 Ill. Reg. 20724, effective December 18, 1990; amended in R89-14(C) at 16 Ill. Reg. 14684, effective September 10, 1992; amended in R92-17 at 18 Ill. Reg. 2981, effective February 14, 1994; amended in R91-23 at 18 Ill. Reg. 13457, effective August 19, 1994; amended in R93-13 at 19 Ill. Reg. 1310, effective January 30, 1995; amended in R95-14 at 20 Ill. Reg. 3534, effective February 8, 1996; amended in R97-25 at 22 Ill. Reg. 1403, effective December 24, 1997; amended in R01-13 at 26 Ill. Reg. 3517, effective February 22, 2002; amended in R03-11 at 28 Ill. Reg. 3071, effective February 4, 2004; amended in

R06-24 at 31 Ill. Reg. 4440, effective February 27, 2007; amended in R09-8 at 33 Ill. Reg. 7903, effective May 29, 2009; amended in R09-11 at 33 Ill. Reg. 12258, effective August 11, 2009; amended in R08-9(A) at 35 Ill. Reg. 15078, effective August 23, 2011; amended in R11-18 at 36 Ill. Reg. 18898, effective December 12, 2012.

SUBPART A: GENERAL PROVISIONS

Section 303.100 Scope and Applicability

- a) Part 303 contains water use designations which determine for a given body of water which set of Part 302 water quality standards applies. Part 303 also contains short site specific water quality standards. Part 302 contains water quality standards which are either applicable to more than one area or are lengthy.
- b) Unless the contrary is clearly indicated, all references to "Parts" or "Sections" are to Ill. Adm. Code, Title 35: Environmental Protection. For example, "Part 309" is 35 Ill. Adm. Code 309, and "Section 309.101" is 35 Ill. Adm. Code 309.101.

(Editor's Note: Paragraph (b) was added during the codification process to clarify references to other Parts or Sections of the Illinois Administrative Code.)

Section 303.101 Multiple Designations

Unless otherwise expressly stated, waters designated for specific uses must meet the most restrictive standards listed in Part 302 for any specified use, in addition to meeting the general standards of Subpart B, Part 302.

Section 303.102 Rulemaking Required (Repealed)

(Source: Repealed at 35 Ill. Reg. 15078, effective August 23, 2011)

SUBPART B: NONSPECIFIC WATER USE DESIGNATIONS

Section 303.200 Scope and Applicability

Subpart B contains general water use designations. These Sections, together with the specific designations of Subpart C, determine which set of water quality standards of Part 302 applies to a given body of water.

Section 303.201 General Use Waters

Except as otherwise specifically provided, all waters of the State must meet the general use standards of Subpart B of Part 302.

Section 303.202 Public and Food Processing Water Supplies

Except as otherwise specifically provided and in addition to the general use standards of Subpart B, Part 302, waters of the State shall meet the public and food processing water supply standards of Subpart C, Part 302, at any point at which water is withdrawn for treatment and distribution as a potable supply or for food processing.

Section 303.203 Underground Waters

35 Ill. Adm. Code 302.Subparts B and C do not apply to underground waters, except as provided at 35 Ill. Adm. Code 620.450(b).

(Source: Amended at 16 Ill. Reg. 14684, effective September 10, 1992)

Section 303.204 Chicago Area Waterway System and Lower Des Plaines River

The Chicago Area Waterway System and Lower Des Plaines River Waters are designated to protect for incidental contact or non-contact recreational uses (except where designated as non-recreational waters) and commercial activity (including navigation and industrial water supply uses) limited only by the physical condition of these waters and hydrologic modifications to these waters. These waters are required to meet the secondary contact and indigenous aquatic life standards contained in 35 Ill. Adm. Code 302, Subpart D, but are not required to meet the general use standards or the public and food processing water supply standards of 35 Ill. Adm. Code 302, Subpart B and C. Designated recreational uses for each segment of the Chicago Area Waterway System and Lower Des Plaines River are identified in this Subpart.

(Source: Amended at 35 Ill. Reg. 15078, effective August 23, 2011)

Section 303.205 Outstanding Resource Waters

An Outstanding Resource Water (ORW) is a surface water body or water body segment that is of exceptional ecological or recreational significance and must be designated by the Board pursuant to 35 Ill. Adm. Code 102.Subpart H.

- a) Outstanding Resource Waters (ORW) shall be listed in Section 303.206 of this Part. In addition to all other applicable use designations and water quality standards contained in this Subtitle, an ORW is subject to the antidegradation provision of Section 302.105(b).

- b) A petition to designate a surface water body or water body segment as an ORW must be submitted to the Illinois Pollution Control Board pursuant to the procedural rules found in 35 Ill. Adm. Code 102.Subpart H.

(Source: Added at 26 Ill. Reg. 3517, effective February 22, 2002)

Section 303.206 List of Outstanding Resource Waters

The Board has not designated any Outstanding Resource Waters pursuant to 35 Ill. Adm. Code 102.Subpart H.

(Source: Added at 26 Ill. Reg. 3517, effective February 22, 2002)

Section 303.220 Primary Contact Recreation Waters

The following waters are designated as Primary Contact Recreation Waters and must be protected for Primary Contact Recreation uses as defined in 35 Ill. Adm. Code 301.323.

- a) Lower North Shore Channel from North Side Water Reclamation Plant to confluence with North Branch of the Chicago River;
- b) North Branch of the Chicago River from its confluence with North Shore Channel to its confluence with South Branch of the Chicago River and Chicago River;
- c) Chicago River;
- d) South Branch of the Chicago River;
- e) Little Calumet River from its confluence with Calumet River and Grand Calumet River to its confluence with Calumet-Sag Channel; and
- f) Calumet-Sag Channel.

(Source: Added at 35 Ill. Reg. 15078, effective August 23, 2011)

Section 303.225 Incidental Contact Recreation Waters

The following waters are designated as Incidental Contact Recreation Waters and must protect for incidental contact recreational uses as defined in 35 Ill. Adm. Code 301.282.

- a) Upper North Shore Channel from Wilmette Pumping Station to North Side Water Reclamation Plant;

- b) South Fork of the South Branch of the Chicago River (Bubbly Creek);
- c) Chicago Sanitary and Ship Canal from its confluence with South Branch of the Chicago River to its confluence with Calumet-Sag Channel;
- d) Calumet River from Torrence Avenue to its confluence with Grand Calumet River and Little Calumet River;
- e) Lake Calumet;
- f) Lake Calumet Connecting Channel;
- g) Grand Calumet River;
- h) Lower Des Plaines River from the Brandon Road Lock and Dam to the Interstate 55 bridge.

(Source: Added at 35 Ill. Reg. 15078, effective August 23, 2011)

Section 303.227 Non-Contact Recreation Waters and Non-Recreational Waters

- a) Non-Contact Recreation. Calumet River from Lake Michigan to Torrence Avenue is designated as a Non-Contact Recreation Water and must protect for non-contact recreational uses as defined in 35 Ill. Adm. Code 301.324.
- b) The following waters are designated as Non-Recreational waters as defined in 35 Ill. Adm. Code 301.324.
 - 1) Chicago Sanitary and Ship Canal from its confluence with the Calumet-Sag Channel to its confluence with Des Plaines River; and
 - 2) Lower Des Plaines River from its confluence with Chicago Sanitary and Ship Canal to the Brandon Road Lock and Dam.

(Source: Added at 35 Ill. Reg. 15078, effective August 23, 2011)

SUBPART C: SPECIFIC USE DESIGNATIONS AND SITE SPECIFIC WATER QUALITY STANDARDS

Section 303.300 Scope and Applicability

Subpart C contains specific use designations which determine which set of water quality standards of Part 302 applies to a given water. In addition, Subpart C contains water

quality standards applicable to specified waters. Nonspecific designations are in Subpart B.

Section 303.301 Organization

Subpart C is arranged by river basin as follows:

<u>River Basin</u>	<u>Reserved Section Numbers</u>
Ohio	Section 303.310-Section 303.319
Wabash	Section 303.320-Section 303.329
Mississippi	
North	Section 303.330-Section 303.339
North Central	Section 303.340-Section 303.349
South Central	Section 303.350-Section 303.359
South	Section 303.360-Section 303.369
Rock	Section 303.370-Section 303.379
Kaskaskia	Section 303.380-Section 303.389
Big Muddy	Section 303.390-Section 303.399
Illinois	Section 303.400-Section 303.409
Sangamon	Section 303.410-Section 303.419
Kankakee	Section 303.420-Section 303.429
Fox	Section 303.430-Section 303.439
Des Plaines/Lake Michigan	Section 303.440-Section 303.449

Section 303.311 Ohio River Temperature

Instead of the standards of Section 302.211(e) the water temperature at representative locations in the main river of the Ohio River shall not exceed the maximum limits in the following table during more than 1% of the hours in the 12 month period ending with any month. Moreover, at no time shall the water temperature at such location exceed the maximum limits in the following table by more than 1.7° C (3°F).

	°C	°F		°C	°F
JAN.	10	50	JUL.	32	89
FEB.	10	50	AUG.	32	89
MAR.	16	60	SEPT.	31	87
APR.	21	70	OCT.	26	78
MAY	27	80	NOV.	21	70
JUN.	31	87	DEC.	14	57

Section 303.312 Waters Receiving Fluorspar Mine Drainage (Repealed)

(Source: Repealed at 36 Ill. Reg. 18898, effective December 12, 2012)

Section 303.321 Wabash River Temperature

Instead of the standards of Section 302.211(e), the water temperature at representative locations in the main river of the Wabash River and its interstate tributaries shall not exceed the maximum limits in the following table during more than 1% of the hours in the 12 month period ending with any month. Moreover, at no time shall the water temperature at such locations exceed the maximum limits in the following table by more than 1.7° C (3°F).

	°C	°F		°C	°F
JAN.	10	50	JUL.	32	90
FEB.	10	50	AUG.	32	90
MAR.	16	60	SEPT.	32	90
APR.	21	70	OCT.	26	78
MAY	27	80	NOV.	21	70
JUN.	32	90	DEC.	14	57

Section 303.322 Unnamed Tributary of the Vermilion River

The fluoride standard of Sec. 302.208 shall not apply to waters of the State which are located from the point of a discharge from the foundry located at the intersection of Interstate 74 and G Street in Danville, Illinois, owned by General Motors Corporation on January 31, 1995, to an unnamed tributary of the Vermilion River, said point being located 3900 feet south of the Vermilion River, 1900 feet north of I-74, at 40° 6'35" north latitude and 87° 69'52" west longitude, to the confluence of said unnamed tributary with the Vermilion River; and from there downstream to a point 0.9 river miles downstream of the juncture at the crossing of a Norfolk and Western Railroad bridge. Fluoride levels in such waters as caused by the discharge from the foundry facility shall meet a water quality standard for fluoride (Storet Number 00950) of 10 mg/l.

(Source: Amended at 19 Ill. Reg. 1310, effective January 30, 1995)

Section 303.323 Sugar Creek and Its Unnamed Tributary

- a) This Section applies only to Sugar Creek and its unnamed tributary from the point at which Marathon Oil Company's outfall 001 discharges into the unnamed tributary to the confluence of Sugar Creek and the Wabash River.
- b) Section 304.105 shall not apply to total dissolved solids and chlorides discharged by Marathon Oil Company's outfall 001, so long as both of the following conditions are met:

- 1) Effluent from Marathon Oil Company's outfall 001 does not exceed either 3,000 mg/L total dissolved solids or 1,000 mg/L chlorides, and
- 2) The water in the unnamed tributary does not exceed 2,000 mg/L total dissolved solids or 750 mg/L chlorides.

(Source: Amended at 18 Ill. Reg. 13457, effective August 19, 1994)

Section 303.326 Unnamed Tributary of Salt Creek, Salt Creek, and Little Wabash River

The fluoride general use water quality standard of 35 Ill. Adm. Code 302.208(g) does not apply to the waters of the State that are located from the point of discharge of the POTW located at 903 E. Eichie Avenue in Effingham, Illinois, owned by the City of Effingham, to an unnamed tributary of Salt Creek, said point being located in Effingham County, T8N, R6E, Sec. 28, Lat: 39°06'24", Long: 88°31'55", to the confluence of said unnamed tributary with Salt Creek; to the confluence of Salt Creek with the Little Wabash River; to the confluence of Buck Creek and the Little Wabash River. Fluoride levels in such waters must meet a water quality standard for fluoride (STORET Number 00951) as set forth in this Section.

- a) From the point of discharge of the City of Effingham POTW to the unnamed tributary to the confluence of the unnamed tributary with Salt Creek and from the confluence of the unnamed tributary with Salt Creek to the confluence of Salt Creek with the Little Wabash River, the fluoride water quality standard is 5.0 mg/L.
- b) From the confluence of Salt Creek with the Little Wabash River to monitoring station C-19 located on the Little Wabash River approximately 2.8 miles downstream of Louisville, Illinois, the fluoride water quality standard is 3.2 mg/L.
- c) From monitoring station C-19 located on a point on the Little Wabash River approximately 2.8 miles downstream of Louisville, Illinois to the confluence of Buck Creek and the Little Wabash River, a point on the Little Wabash River located approximately 9.8 miles downstream of Louisville, Illinois, the fluoride water quality standard is 2.0 mg/L.

(Source: Added at 28 Ill. Reg 3071, effective February 4, 2004)

Section 303.331 Mississippi River North Temperature

Instead of the standards of Section 302.211(e) the water temperature at representative locations in the main river of the Mississippi River from the Wisconsin border to the Rock River shall not exceed the maximum limits in the following table during more than 1% of the hours in the 12 month period ending with any month. Moreover, at no time shall the water temperature at such locations exceed the maximum limits in the following table by more than 1.7° C (3° F).

	°C	°F		°C	°F
JAN.	7	45	JUL.	30	86
FEB.	7	45	AUG.	30	86
MAR.	14	57	SEPT.	29	85
APR.	20	68	OCT.	24	75
MAY	26	78	NOV.	18	65
JUN.	29	85	DEC.	11	52

Section 303.341 Mississippi River North Central Temperature

Instead of the standards of Section 302.211(e), the water temperature at representative locations in the main river of the Mississippi River in the indicated locations shall not exceed the maximum limits in the following tables during more than 1% of the hours in the twelve month period ending with any month. Moreover, at no time shall the water temperature at such locations exceed the maximum limits in the following table by more than 1.7° C (3° F).

- a) In the Mississippi River from the Rock River to the Iowa/Missouri border:

	°C	°F		°C	°F
JAN.	7	45	JUL.	30	86
FEB.	7	45	AUG.	30	86
MAR.	14	57	SEPT.	29	85
APR.	20	68	OCT.	24	75
MAY	26	78	NOV.	18	65
JUN.	29	85	DEC.	11	52

- b) In the Mississippi River from the Iowa/Missouri border to the Illinois River:

	°C	°F		°C	°F
JAN.	7	45	JUL.	31	88
FEB.	7	45	AUG.	31	88
MAR.	14	57	SEPT.	29	86
APR.	20	68	OCT.	24	75
MAY	26	78	NOV.	18	65
JUN.	30	86	DEC.	11	52

Section 303.351 Mississippi River South Central Temperature

Instead of the standards of Section 302.211(e), the water temperature at representative locations in the main river of the Mississippi River in the indicated locations shall not exceed the maximum limits in the following tables during more than 1% of the hours in the twelve month period ending with any month. Moreover, at no time shall the water temperature at such locations exceed the maximum limits in the following table by more than 1.7° C (3° F).

- a) In the Mississippi River from the Illinois River to Alton Lock and Dam:

	°C	°F		°C	°F
JAN.	7	45	JUL.	31	88
FEB.	7	45	AUG.	31	88
MAR.	14	57	SEPT.	29	86
APR.	20	68	OCT.	24	75
MAY	26	78	NOV.	18	65
JUN.	30	86	DEC.	11	52

- b) In the Mississippi River from Alton Lock and Dam to the Kaskaskia River:

	°C	°F		°C	°F
JAN.	10	50	JUL.	32	89
FEB.	10	50	AUG.	32	89
MAR.	16	60	SEPT.	31	87
APR.	21	70	OCT.	26	78
MAY	27	80	NOV.	21	70
JUN.	31	87	DEC.	14	57

Section 303.352 Unnamed Tributary of Wood River Creek

- a) This section applies to the unnamed tributary of Wood River Creek which enters Wood River Creek 4700 feet above the confluence of Wood River Creek with the Mississippi River from a point 450 feet above the confluence of the unnamed tributary and Wood River Creek to said confluence, and in Wood River Creek from said confluence to the confluence of Wood River Creek and the Mississippi River.
- b) Such waters shall meet the following standard instead of the boron standard of Section 302.208:

CONSTITUENT	STORET NUMBER	CONCENTRATION mg/l
Boron	-----	15

(Source: Added at 2 Ill. Reg. no. 27, p. 221, effective July 5, 1978.)

Section 303.353 Schoenberger Creek; Unnamed Tributary of Cahokia Canal

- a) This rule shall apply to:
 - 1) The final 1500 feet of Schoenberger Creek starting immediately south of the Baltimore and Ohio main tracks and running north to an unnamed tributary of the Cahokia Canal; and
 - 2) The unnamed tributary from its confluence with Schoenberger Creek as it runs west and northwest for a distance of 8000 feet to its confluence with the Cahokia Canal.
- b) The standard of 35 Ill. Adm. Code 302.208 for the parameter listed below does not apply to these waters. Instead, the following level shall not be exceeded:

Constituent	Storet Number	Concentration (mg/l)
Iron (total)	01045	20

(Source: Added at 7 Ill. Reg. 8111, effective June 23, 1983)

Section 303.361 Mississippi River South Temperature

Instead of the standards of Section 302.211(e), the water temperature at representative locations in the main river of the Mississippi River from the Kaskaskia River to the Ohio River shall not exceed the maximum limits in the following table during more than 1% of the hours in the 12 month period ending with any month. Moreover, at no time shall the

water temperature at such locations exceed the maximum limits in the following table by more than 1.7° C (3° F).

	°C	°F		°C	°F
JAN.	10	50	JUL.	32	89
FEB.	10	50	AUG.	32	89
MAR.	16	60	SEPT.	31	87
APR.	21	70	OCT.	26	78
MAY	27	80	NOV.	21	70
JUN.	31	87	DEC.	14	57

Section 303.400 Bankline Disposal Along the Illinois Waterway/River

- a) The U.S. Department of the Army, Corps of Engineers, may bankline dispose of sediment generated during maintenance dredging operations on the Illinois Waterway/River between river miles 80.2 and 291 if:
 - 1) Less than 10% of representative samples from a proposed dredge cut are composed of fine-grained material, where a material is fine-grained if more than 20% of the sample passes a #230 sieve; or
 - 2) The SSTFATE model indicates that applicable water quality standards will be met at the perimeter of a temporary area of allowed dilution having a surface area no larger than 48,000 square feet, and not exceeding either 1,000 feet in length or 150 feet in width; and
 - 3) The U.S. Department of the Army, Corps of Engineers, holds a Water Quality Certification for its dredging operations from the Illinois Environmental Protection Agency pursuant to Section 401 of the federal Clean Water Act, 33 U.S.C. §1341 (1988).

- b) When the provisions of subsection (a) are met, Section 35 Ill. Adm. Code 304.105 (prohibition against causing a violation of any applicable water quality standard), shall not apply to bankline disposal by the U.S. Department of the Army, Corps of Engineers, but only as 35 Ill. Adm. Code 304.105 pertains to the offensive conditions standard of 35 Ill. Adm. Code 302.203, the dissolved oxygen standard of 35 Ill. Adm. Code 302.206, the total lead, total zinc, mercury, and total copper standards of 35 Ill. Adm. Code 302.208, and the ammonia nitrogen and un-ionized ammonia nitrogen standards of 35 Ill. Adm. Code 302.212.

(Source: Added at 18 Ill. Reg. 2981, effective February 14, 1994)

Section 303.430 Unnamed Tributary to Dutch Creek

The general use water quality standard for fluoride contained in Section 302.208 shall not apply to the unnamed tributary of Dutch Creek which receives discharges from the manufacturing facility located on Ringwood Drive in Ringwood in McHenry County from the outfall of that facility for a distance of 1200 yards downstream. Instead this water shall comply with a fluoride standard of 5.6 mg/l not to be exceeded at any time.

(Source: Added at 14 Ill. Reg. 9460, effective May 31, 1990)

Section 303.431 Long Point Slough and Its Unnamed Tributary

The general use water quality standards for total dissolved solids and for chloride contained in Section 302.208 shall not apply to Long Point Slough and its unnamed tributary, which receive discharges from the Illiopolis, Illinois facility of Borden Chemicals and Plastics Operating Limited Partnership, from the outfall of that facility to the point of the confluence of the unnamed tributary downstream with the Sangamon River. Instead this water shall comply with a total dissolved solids standard of 3,000 mg/l and a chloride standard of 900 mg/l.

(Source: Added at 14 Ill. Reg. 20724, effective December 18, 1990)

Section 303.441 Secondary Contact Waters (Repealed)

(Source: Repealed at 35 Ill. Reg. 15078, effective August 23, 2011)

Section 303.442 Waters Not Designated for Public Water Supply

The following waters are not required to meet the public and food processing water supply standards of Subpart C, Part 302, even where designated as general use waters:

- a) The Chicago River
- b) The Little Calumet River.

Section 303.443 Lake Michigan Basin

The waters of the Lake Michigan Basin must meet the Lake Michigan Basin water quality standards of 35 Ill. Adm. Code 302 Subpart E. Lake Michigan Basin waters under Illinois jurisdiction consist of the following:

- a) The Open waters of Lake Michigan means all of the waters within Lake Michigan in Illinois jurisdiction lakeward from a line drawn across the mouth of tributaries to Lake Michigan, but not including waters enclosed by constructed breakwaters;

- b) Lake Michigan harbors and waters within breakwaters, and waters (as defined in 35 Ill. Adm. Code 301.440) within Illinois jurisdiction tributary to Lake Michigan including streams, sloughs and other watercourses not named elsewhere in this Part; and
- c) The Chicago River, the North Shore Channel, and the Calumet River are not part of the Lake Michigan Basin.

(Source: Amended at 22 Ill. Reg. 1403, effective December 24, 1997.)

Section 303.444 Salt Creek, Higgins Creek, West Branch of the DuPage River, Des Plaines River

The General Use chronic water quality standard for cyanide (STORET number 00718) contained in Section 302.208 does not apply to Salt Creek, Higgins Creek, the West Branch of the DuPage River, and the Des Plaines River in Cook County, Illinois. Instead, for these waters the chronic cyanide standard is 10 µg/L.

(Source: Amended at 20 Ill. Reg.3534, effective February 8, 1996.)

Section 303.445 Total Dissolved Solids Water Quality Standard for the Lower Des Plaines River

- a) Beginning November 1 and continuing through April 30 of each year, the total dissolved solids (TDS) water quality standard for Secondary Contact and Indigenous Aquatic Life Use waters in 35 Ill. Adm. Code 302.407 does not apply to the portion of the Des Plaines River from the ExxonMobil refinery wastewater treatment plant discharge point located at Interstate 55 and Arsenal Road (said point being located in Will County, T34N, R9E, S15, Latitude: 41°, 25', 20" North, Longitude: 88°, 11', 20" West) and continuing to the Interstate 55 bridge. TDS levels in these waters must instead meet a water quality standard for TDS (STORET Number 70300) of 1,686 mg/L.
- b) Beginning November 1 and continuing through April 30 of each year, the TDS water quality standard for General Use Waters in 35 Ill. Adm. Code 302.208 does not apply to the Des Plaines River from the Interstate 55 bridge to the confluence of the Des Plaines River with the Kankakee River. TDS levels in these waters must instead meet a water quality standard for TDS (STORET Number 70300) of 1,686 mg/L.

Source: Added at 31 Ill. Reg. 4440, effective February 27, 2007)

Section 303.446 Boron Water Quality Standard for Segments of the Sangamon River and the Illinois River

The general use water quality standard for boron set forth in 35 Ill. Adm. Code 302.208(g) shall not apply to segments of the Sangamon River and the Illinois River (described below) that receive discharge from Outfall 007 of the Spring Creek Sewage Treatment Plant located at 3017 North 8th Street, Springfield, Illinois, owned by the Springfield Metro Sanitary District. Boron levels in those river segments must meet the following water quality standards for boron:

- a) 11.0 mg/L in the Sangamon River from Outfall 007 (Latitude: 39° 51' 37.234" North, Longitude: 89° 38' 30.082" West) to 182 yards downstream from the confluence of Spring Creek with the Sangamon River (Latitude: 39° 51' 42.595" North, Longitude: 89° 38' 30.089" West);
- b) 4.5 mg/L in the Sangamon River from 182 yards downstream of the confluence of Spring Creek with the Sangamon River (Latitude: 39° 51' 42.595" North, Longitude: 89° 38' 30.089" West) to the confluence of Salt Creek with the Sangamon River (Latitude: 40° 7' 33.009" North, Longitude: 89° 49' 40.224" West), a distance of 39.0 river miles;
- c) 1.6 mg/L in the Sangamon River from the confluence of Salt Creek with the Sangamon River (Latitude: 40° 7' 33.009" North, Longitude: 89° 49' 40.224" West) to the confluence of the Sangamon River with the Illinois River (Latitude: 40° 1' 20.995" North, Longitude: 90° 25' 59.451" West), a distance of 36.1 river miles; and
- d) 1.3 mg/L in the Illinois River from the confluence of the Illinois River with the Sangamon River (Latitude: 40° 1' 20.995" North, Longitude: 90° 25' 59.451" West) to 100 yards downstream of the confluence of the Illinois River with the Sangamon River (Latitude: 40° 1' 20.197" North, Longitude: 90° 26' 3.205" West).

(Source: Added at 33 Ill. Reg. 7903, effective May 29, 2009.)

Section 303.447 Unnamed Tributary of the South Branch Edwards River and South Branch Edwards River

The general use water quality standard for boron at 35 Ill. Adm. Code 302.208(g) does not apply to the waters of the State that are located from the point of discharge of the publicly owned treatment works located at 523 NE 9th Street in Galva, known as the Galva Northeast Sewage Treatment Plant, to an unnamed tributary of the South Branch of the Edwards River (the discharge point being located in Henry County, Township 14 North, Range 4 East, occupying portions of Sections 21, 26, 27, 28, 33, 34, and 35 in the Fourth Principal Meridian, Latitude N 41.175°, Longitude: W 90.035°) to the confluence

of unnamed tributary with the South Branch Edwards River; to the confluence with the Edwards River. Boron levels in these waters must meet a water quality standard for boron of 3.0 mg/L.

(Source: Added at 33 Ill. Reg.12258, effective August 11, 2009)

Section 303.448 Mud Run Creek

The general use water quality standard for boron set forth at 35 Ill. Adm. Code 302.208(g) does not apply to the waters of the State that are located from the point of discharge of the publicly owned treatment works located at ½ mile South of the Burlington Northern Santa Fe Railroad and SW 4th Street in Galva, known as the Galva Southwest Sewage Treatment Plant, to Mud Run Creek (the point is located in Henry County, Township 14 North, Range 4 East, occupying portions of Sections 21, 26, 27, 28, 33, 34 and 35 of the Fourth Principal Meridian, Latitude: N 41.154°, Longitude W. 90.053°) to the confluence of Mud Run Creek with Walnut Creek. Boron levels in these waters must meet a water quality standard for boron of 3.0 mg/L.

(Source: Added at 33 Ill. Reg.12258, effective August 11, 2009)

SUBPART D: THERMAL DISCHARGES

Section 303.500 Scope and Applicability

Subpart D contains site specific water quality based thermal discharge standards. These are now determined without rulemaking pursuant to Section 302.211 and Part 106 of Subtitle A.

(Note: Prior to codification, Part VI of Ch 1: Procedural Rules.)

Section 303.502 Lake Sangchris Thermal Discharges

The thermal discharge to Lake Sangchris shall meet the following standards and conditions: The effluent temperature shall not exceed 37° C (99° F) during more than seven (7) percent of the hours in the 12 month period ending with any month and shall at no time exceed 44° C (111° F).

APPENDIX A REFERENCES TO PREVIOUS RULES

Chapter 3: Water Pollution Part III, Water Quality Standards	35 Ill. Admin. Code Part 303
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Unnumbered Preamble	Section 303.100, 303.101, 303.201
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Rule 301	Section 303.201
Rule 302 Preamble	Section 302.402
Rule 302 Main Body	Section 303.441
Rule 302 Appendix	Section 303.102
Rule 303	Section 303.301, 303.202
Rule 303(a)	Section 303.442
Rule 303(b)	Section 303.442

APPENDIX B
SOURCES OF CODIFIED SECTIONS

35 Ill. Admin. Code	Chapter 3: Water Pollution
Part 303	Part II, Water Quality Standards
	Part III, Water Use Designations
Section	
303.100	General, Preamble to Part III
303.101	Preamble to Part III
303.102	Rule 302 Appendix
303.200	General, Preamble to Part III
303.201	Preamble to Part III, Rule 203
303.202	Rule 204 and Rule 303
303.203	Rule 207
303.204	Rule 302, Preamble
303.300	General
303.301	General
303.311	Rule 203(i)(4)
302.312	Rule 203.1(a)
303.321	Rule 203(i)(4)
303.331	Rule 203(i)(4)
303.341	Rule 203(i)(4)
303.351	Rule 203(i)(4)
303.352	Rule 203.1(b)
303.361	Rule 203(i)(4)
303.441	Rule 302, Main Body
303.442	Rule 303(a), Rule 303(b)
303.443	Rule 206
303.500	General, Rule 203(i)(10)(ee)
303.502	Rule 203(i)(11)(bb)