

PROGNOSIS

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

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FEB 22 2002

STATE OF ILLINOIS
Pollution Control Board

IN THE MATTER OF:

WATER QUALITY AMENDMENTS TO)	
35 Ill. Adm. Code 302.208(e)-(g), 302.504(a),)	R02-11
302.575(d), 303.444, 309.141(h); and)	(Rulemaking - Water)
PROPOSED 35 Ill. Adm. Code 301.267,)	
301.313, 301.413, 304.120, and 309.157)	

NOTICE OF FILING

Dorothy Gunn, Clerk
Pollution Control Board
100 West Randolph Street
Suite 11-500
Chicago, Illinois 60601

Marie E. Tipsord
Illinois Pollution Control Board
James R. Thompson Center
100 West Randolph Street, Suite 11-500
Chicago, Illinois 60601

Mathew Dunn
Illinois Attorney General's Office
Environmental Control Division
James R. Thompson Center
100 West Randolph Street
Chicago, Illinois 60601

Legal Service
Illinois Department of Natural Resources
524 South Second Street
Springfield, Illinois 62701-1787

Attached Service List

PLEASE TAKE NOTICE that I have today filed with the Office of the Clerk of the Pollution Control Board the **WRITTEN SUPPLEMENT TESTIMONY OF ROBERT MOSHER AND CLARK OLSON** of the Illinois Environmental Protection Agency, a copy of which is herewith served upon you.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

By: 
Sanjay K Sofat, Assistant Counsel
Division of Legal Counsel

Dated: February 20, 2002
Illinois Environmental Protection Agency
1021 North Grand Avenue East
Springfield, Illinois 62794-9276
(217) 782-5544

THIS FILING PRINTED ON RECYCLED PAPER

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PROPOSED 35 Ill. Adm. Code 301.267,)	
301.313, 301.413, 304.120, and 309.157)	

TESTIMONY OF ROBERT MOSHER

QUALIFICATIONS/INTRODUCTION

My name is Robert Mosher and I am the Manager of the Water Quality Standards Section within the Division of Water Pollution Control at the Illinois Environmental Protection Agency ("Illinois EPA" or "Agency"). I have been with the Illinois EPA in excess of 16 years. Almost all of that time has been spent in my current capacity where my primary responsibility is the development and implementation of water quality standards. I have a Masters Degree in Zoology from Eastern Illinois University where I specialized in stream ecology. My testimony will cover most of the Agency's responses to questions and requests for further information made at the January 29, 2002 hearing. Mr. Olson's testimony will cover the remaining Agency responses to questions raised at that hearing.

AGENCY RESPONSES TO QUESTIONS AND REQUESTS FOR ADDITIONAL INFORMATION

Hearing Officer Tipsord at pages 49-50 of the January 29, 2002 hearing transcript (hereinafter "Transcript") requested a clear copy of Albert Ettinger's Exhibit 4 (the Agency's derived water quality criteria) with a citation for this publication. The clear copy with citation is attached and incorporated as Exhibit A. We also provide the most recent published list of the

Agency's derived water quality criteria for the Illinois Pollution Control Board's ("Board") consideration. See Exhibit B.

At Transcript pp. 54-57, Mr. Ettinger inquires about the existing and proposed benzene standards. The Agency's surface waters monitoring data for a public water supply reflects that benzene is not a problem in drinking water obtained from surface water. Since 1989, there have been only four detections in treated drinking water from lakes at Decatur, Staunton and Carlinville and these were 1.3 µg/L or less. There are undoubtedly several reasons for this low incidence of benzene detection. First, surface waters of the state are not contaminated with benzene (see Appendix F discussion of benzene from the Agency's original proposal). Second, benzene is not very soluble in water and therefore would tend to float on the surface whereupon it would volatilize to the atmosphere. Public water supply intake structures are designed to withdraw water from under the surface, thus avoiding floating substances like benzene. Most benzene that would find its way into streams and lakes would be from spills. Major spills must be reported, which allows public water supplies to stop withdrawing water and avoid the intake of a short-term contamination event. At this time, we believe that no specific benzene standard is necessary at Subpart C. The existing general provision at 35 Ill. Adm. Code 302.305 is sufficient to protect intakes from hazardous levels of benzene. However, if the Board wishes, the Agency will consult further with our public water supply experts and decide if a Subpart C standard is desirable and then develop a suggested value.

At Transcript p 66, Mr. Rao asks about the cadmium standard that existed prior to the 1990 update. The previous standard was 50 µg/L, the same value now present as a cap to the acute standard. A hardness value of greater than 425 mg/L would have to be

present to have an acute standard exceed 50 µg/L.

At transcript p 66, Mr. Rao asks for typical hardness levels for the waters of the state. Exhibit C is a list of Ambient Water Quality Monitoring stations maintained by the Agency. Our designation “critical hardness” means that these are the hardness values that occur under low flow conditions in the stream – the most critical time for metals concentrations and potential impacts to aquatic life. If the critical hardness value is marked with an asterisk, the 25th percentile hardness value from that station is given. For the other stations, the hardness value given is the 10th percentile hardness value from the measurements taken at 10th percentile and lower streams flows. Eight out of 208 critical hardness values are above 425 mg/L. These are generally found in streams that have a past or present history of mining.

At transcript pp 69-70, Mr. Ettinger asks whether the existing General Use cadmium water quality standards are identical to the most recent (1985) national criteria for cadmium. The chronic standard for cadmium at 35 Ill. Adm. Code 302.208(e) is identical to the national chronic criterion of 1985. The acute criterion for cadmium is less stringent than the national criterion of 1985. At a hardness of 200 mg/L, the acute national criterion value for total cadmium is 8.6 µg/L. At this hardness, the cadmium standard at 35 Ill. Adm. Code 302.208(e) is 21.3 µg/L. When the Board adopted this standard in 1990, the Agency had regionalized the national criterion in its proposal to reflect only warm water species sensitivities to cadmium.

At transcript page 111, Mr. Rao questions the accuracy of the conversion factor for the Lake Michigan acute cadmium standard. There is indeed a typo in the formula that we must correct. An errata sheet is submitted with the Board to correct this typo. The Agency wishes to thank Mr. Rao for finding this error.

This concludes my testimony. I will be supplementing this testimony as needed during the hearing. I would be happy to address any questions.

By:  _____

Robert Mosher

February 20, 2002

Illinois Environmental Protection Agency
1021 North Grand Avenue East
P.O. Box 19276
Springfield, Illinois 62794-9276

THIS FILING PRINTED ON RECYCLED PAPER

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

FEB 22 2002

STATE OF ILLINOIS
Pollution Control Board

IN THE MATTER OF:

WATER QUALITY AMENDMENTS TO)	
35 Ill. Adm. Code 302.208(e)-(g), 302.504(a),)	R02-11
302.575(d), 303.444, 309.141(h); and)	(Rulemaking - Water)
PROPOSED 35 Ill. Adm. Code 301.267,)	
301.313, 301.413, 304.120, and 309.157)	

TESTIMONY OF CLARK OLSON

QUALIFICATIONS/INTRODUCTION

My name is Clark Olson and I have been employed by the Illinois Environmental Protection Agency ("Illinois EPA" or "Agency") for over 20 years. I work in the Water Quality Standards Unit of the Division of Water Pollution Control as a toxicologist. I have been involved with water quality standards issues throughout my career with the Agency and have participated in several previous rulemakings of this type. I have a PhD in Biology from University of Miami (Florida) and have done postdoctoral research in toxicology at North Carolina State University. My testimony will cover the questions that were specially addressed to me at the January 29, 2002 hearing.

AGENCY RESPONSES TO QUESTIONS

At Transcript pp 54-57, Albert Ettinger inquires about the existing and proposed benzene standards. The human health standard proposed for General Use waters protects humans from exposure to harmful levels of benzene through the consumption of locally caught fish and from any incidental contact with water. This proposed standard (310 µg/L) is identical to the Lake Michigan human health standard protecting this aspect

of exposure for waters in the Lake Michigan Basin at a risk level of 10^{-5} . The existing human health criterion for General Use waters (21 $\mu\text{g/L}$) is based on a risk level of 10^{-6} . We recommend the 310 $\mu\text{g/L}$ value for uniformity sake and as a reflection of more recent risk policy.

At transcript pp 101-108, Mr. Rao asks a series of questions pertaining to the methods the Agency used to derive the proposed standards. While Appendix F of the Agency's original proposal details the methods utilized to derive each of these proposed standards, additional explanation and a concise tabular presentation of the methods used is necessary.

Substance	Method Used to Derive Proposed Standard	Tier of Derivation (Tier I is more data rich than Tier II)*
Benzene (General Use and Lake Michigan)	Subpart E	Tier I
Ethyl benzene (General Use and Lake Michigan)	Subpart E	Tier II
Toluene (General Use and Lake Michigan)	Subpart E	Tier I (acute) Tier Ia (chronic)
Xylenes (General Use and Lake Michigan)	Subpart E	Tier I (acute) Tier Ia (chronic)
Zinc (General Use)	Subpart E	Tier I
Nickel (General Use)	Subpart E	Tier I
Weak Acid Dissociable Cyanide (General Use)	Subpart E (acute) Subpart F (chronic)	Tier I

- * Tier I: 8 or more genera with appropriate distribution of taxa
- Tier Ia: 3 or more acute-chronic ratios
- Tier II: default procedures involving safety factors because of few data

The Agency was very consistent in using Subpart E methodology for all proposed standards except for the chronic standard for weak acid dissociable cyanide. We recommend adopting numerical standards based on Subpart E procedures because these include more up-to-date thinking on criteria derivation. Our reasons to use the Subpart F procedures for weak acid dissociable cyanide were based on precedent. The Board

adopted a site-specific regulation several years ago for several streams in NE Illinois (35 Ill. Adm. Code 303.444). The chronic value here is 10 µg/L. The state of Ohio also has a warm water chronic cyanide standard of approximately 10 µg/L.

Mr. Rao made mention of the fact that sometimes the Lake Michigan standards were less stringent than General Use. This seems backwards from the point of view that Lake Michigan has what are usually considered more sensitive species (e.g., trout and salmon). This is explained by the fact that when deriving standards for warm waters, cold water species are dropped from the data sets. This reduces the number of species making up the body of information, which increases uncertainty, and thereby in some cases, lowers the standard. We note that the differences between warm water and cold water standards as derived using Subpart E methods is usually minor.

This concludes my testimony. I will be supplementing this testimony as needed during the hearing. I would be happy to address any questions.

By: Clark Olson
Clark Olson

February 20, 2002

Illinois Environmental Protection Agency
1021 North Grand Avenue East
P.O. Box 19276
Springfield, Illinois 62794-9276

THIS FILING PRINTED ON RECYCLED PAPER

STATE OF ILLINOIS

COUNTY OF SANGAMON

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SS

PROOF OF SERVICE

I, the undersigned, on oath state that I have served the attached **WRITTEN SUPPLEMENT TESTIMONY OF ROBERT MOSHER AND CLARK OLSON** upon the person to whom it is directed, by placing a copy in an envelope addressed to:

Dorothy Gunn, Clerk
Pollution Control Board
100 West Randolph Street
Suite 11-500
Chicago, Illinois 60601

Marie E. Tipsord
Illinois Pollution Control Board
James R. Thompson Center
100 West Randolph Street, Suite 11-500
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(FIRST CLASS)

(FIRST CLASS)

Mathew Dunn
Illinois Attorney General's Office
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Chicago, Illinois 60601

Legal Service
Illinois Department of Natural Resources
524 South Second Street
Springfield, Illinois 62701-1787

(FIRST CLASS)

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Attached Service List
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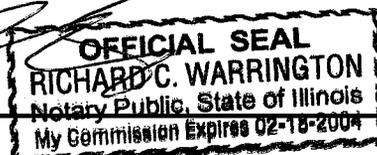
and mailing it from Springfield, Illinois on February 20, 2002, with sufficient postage affixed as indicated above.

Nancy J. D. Lampert

SUBSCRIBED AND SWORN TO BEFORE ME

this day of February 20, 2002.

Notary Public



THIS FILING PRINTED ON RECYCLED PAPER

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ILLINOIS

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RULES
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AGENCIES



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Illinois EPA Exhibit No. A

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ENVIRONMENTAL PROTECTION AGENCY

NOTICE OF PUBLIC INFORMATION

LISTING OF DERIVED WATER QUALITY CRITERIA

Pursuant to 35 Ill. Adm. Code 302.Subpart F, the following water quality criteria have been derived as listed. This listing includes only the waterbodies for which water quality criteria have been used during the period May 1, 2000 through July 31, 2000.

A cumulative listing of criteria as of July 31, 1993 was published in 17 Ill. Reg. 18904, October 29, 1993. Listings of waterbodies for which water quality criteria were used during subsequent three month periods were published in 18 Ill. Reg. 318, January 7, 1994; 18 Ill. Reg. 4457, March 18, 1994; 18 Ill. Reg. 8734, June 10, 1994; 18 Ill. Reg. 14166, September 9, 1994; 18 Ill. Reg. 17770, December 9, 1994; 19 Ill. Reg. 3563, March 17, 1995; 19 Ill. Reg. 7270, May 26, 1995; 19 Ill. Reg. 12527, September 1, 1995; 20 Ill. Reg. 649, January 5, 1996; 20 Ill. Reg. 4829, March 22, 1996; 20 Ill. Reg. 7549, May 30, 1996; 20 Ill. Reg. 12278, September 6, 1996; 20 Ill. Reg. 15619, December 6, 1996; 21 Ill. Reg. 3761, March 21, 1997; 21 Ill. Reg. 7554, June 13, 1997; 21 Ill. Reg. 12695, September 12, 1997; 21 Ill. Reg. 16193, December 12, 1997; 22 Ill. Reg. 5131, March 13, 1998; 22 Ill. Reg. 10689, June 12, 1998; 22 Ill. Reg. 16376, September 11, 1998; 22 Ill. Reg. 22423, December 28, 1998; 23 Ill. Reg. 3102, March 12, 1999; 23 Ill. Reg. 6979, June 11, 1999; 23 Ill. Reg. 11774, September 24, 1999; 23 Ill. Reg. 14772, December 27, 1999; 24 Ill. Reg. 4251, March 17, 2000; and 24 Ill. Reg. 8146, June 9, 2000.

Chemical: Acenaphthene
Acute criterion: 124 ug/l
Date criteria derived: November 14, 1991
Applicable waterbodies:

CAS #83-32-9
Chronic criterion: 9.9 ug/l

Not used during this period.

Chemical: Acetone
Acute criterion: 1,530 mg/l
Date criteria derived: May 25, 1993
Applicable waterbodies:

CAS #67-64-1
Chronic criterion: 122 mg/l

Not used during this period.

Chemical: Acetonitrile
Acute criterion: 375 mg/l
Date criteria derived: December 7, 1993
Applicable waterbodies:

CAS #75-05-8
Chronic criterion: 30 mg/l

Not used during this period.

Chemical: Acrylonitrile
Acute criterion: 910 ug/l
Human health criterion (HNC): 0.21 ug/l

CAS #107-13-4
Chronic criterion: 73 ug/l

ENVIRONMENTAL PROTECTION AGENCY

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LISTING OF DERIVED WATER QUALITY CRITERIA

Date criteria derived: November 13, 1991
Applicable waterbodies:

Not used during this period.

Chemical: Anthracene
Human health criterion (HTC): 35 mg/l
Date criteria derived: August 18, 1993
Applicable waterbodies:

CAS #120-12-7

Not used during this period.

Chemical: Benzene
Acute criterion: 1,300 ug/l
Human health criterion (HNC): 21 ug/l
Date criteria derived: August 15, 1990, revised January 14, 1999
Applicable waterbodies:

CAS #71-43-2
Chronic criterion: 110 ug/l

Not used during this period.

Chemical: Benzo(a)anthracene
Human health criterion (HNC): 0.01 ug/l
Date criteria derived: August 10, 1993
Applicable waterbodies:

CAS #56-55-3

Not used during this period.

Chemical: Benzo(a)pyrene
Human health criterion (HNC): 0.01 ug/l
Date criteria derived: August 10, 1993
Applicable waterbodies:

CAS #50-32-8

Not used during this period.

Chemical: Benzo(b)fluoranthene
Human health criterion (HNC): 0.01 ug/l
Date criteria derived: August 10, 1993
Applicable waterbodies:

CAS # 205-99-2

Not used during this period.

Chemical: Benzo(k)fluoranthene
Human health criterion (HNC): 0.01 ug/l
Date criteria derived: August 10, 1993
Applicable waterbodies:

CAS #207-08-9

ENVIRONMENTAL PROTECTION AGENCY

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Not used during this period.

Chemical: Carbon tetrachloride CAS #56-23-5
 Acute criterion: 3,500 ug/l Chronic criterion: 280 ug/l
 Human health criterion (HNC): 1.4 ug/l
 Date criteria derived: June 18, 1993
 Applicable waterbodies:

Not used during this period.

Chemical: Chlorobenzene CAS #108-90-7
 Acute criterion: 993 ug/l Chronic criterion: 79 ug/l
 Date criteria derived: December 11, 1991
 Applicable waterbodies:

Not used during this period.

Chemical: Chloroform CAS #67-66-3
 Acute criterion: 1,870 ug/l Chronic criterion: 150 ug/l
 Human health criterion (HNC): 130 ug/l
 Date criteria derived: October 26, 1992
 Applicable waterbodies:

Not used during this period.

Chemical: Chrysene CAS #218-01-9
 Human health criterion (HNC): 0.01 ug/l
 Date criteria derived: August 10, 1993
 Applicable waterbodies:

Not used during this period.

Chemical: 1,2-dichlorobenzene CAS #95-50-1
 Acute criterion: 210 ug/l Chronic criterion: 16.8 ug/l
 Date criteria derived: December 1, 1993
 Applicable waterbodies:

Not used during this period.

Chemical: 1,3-dichlorobenzene CAS #541-73-1
 Acute criterion: 500 ug/l Chronic criterion: 196 ug/l
 Date criteria derived: July 31, 1991
 Applicable waterbodies:

Not used during this period.

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LISTING OF DERIVED WATER QUALITY CRITERIA

Chemical: 1,2-dichloroethane CAS #107-06-2
 Acute criterion: 24,900 ug/l Chronic criterion: 4,540 ug/l
 Human health criterion (HNC): 23 ug/l
 Date criteria derived: March 19, 1992
 Applicable waterbodies:

Not used during this period.

Chemical: 1,1-dichloroethylene CAS #75-35-4
 Acute criterion: 3,030 ug/l Chronic criterion: 242 ug/l
 Human health criterion (HNC): 0.95 ug/l
 Date criteria derived: March 20, 1992
 Applicable waterbodies:

Not used during this period.

Chemical: 2,4-dichlorophenol CAS #120-83-2
 Acute criterion: 631 ug/l Chronic criterion: 83.1 ug/l
 Date criteria derived: November 14, 1991
 Applicable waterbodies:

Not used during this period.

Chemical: 1,2-dichloropropane CAS #78-87-5
 Acute criterion: 4,800 ug/l Chronic criterion: 380 ug/l
 Date criteria derived: December 7, 1993
 Applicable waterbodies:

Not used during this period.

Chemical: 1,3-dichloropropylene CAS #542-75-6
 Acute criterion: 99 ug/l Chronic criterion: 7.9 ug/l
 Date criteria derived: November 13, 1991
 Applicable waterbodies:

Not used during this period.

Chemical: 2,4-dimethyl phenol CAS #105-67-9
 Acute criterion: 740 ug/l Chronic criterion: 220 ug/l
 Date criteria derived: October 26, 1992
 Applicable waterbodies:

Not used during this period.

Chemical: 4,6-dinitro-o-cresol = 2-methyl-4,6-dinitrophenol
 CAS #534-52-1

ENVIRONMENTAL PROTECTION AGENCY

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LISTING OF DERIVED WATER QUALITY CRITERIA

Acute criterion: 28.8 ug/l Chronic criterion: 2.3 ug/l
 Date criteria derived: November 14, 1991
 Applicable waterbodies:

Not used during this period.

Chemical: 2,4-dinitrophenol CAS #51-28-5
 Acute criterion: 85.3 ug/l Chronic criterion: 4.07 ug/l
 Date criteria derived: December 1, 1993
 Applicable waterbodies:

Not used during this period.

Chemical: 2,6-dinitrotoluene CAS #606-20-2
 Acute criterion: 1,910 ug/l Chronic criterion: 153 ug/l
 Date criteria derived: February 14, 1992
 Applicable waterbodies:

Not used during this period.

Chemical: Diquat CAS #85-00-7
 Acute criterion: 1,330 ug/l Chronic criterion: 106 ug/l
 Date criteria derived: January 30, 1996
 Applicable waterbodies:

Not used during this period.

Chemical: Ethylbenzene CAS #100-41-4
 Acute criterion: 220 ug/l Chronic criterion: 17 ug/l
 Date criteria derived: August 15, 1990, revised May 17, 1991
 Applicable waterbodies:

07120001-2731/off Wiley Creek
 07120003-0005/off Little Calumet River

Chemical: Fluoranthene CAS #206-44-0
 Human health criterion (HTC): 120 ug/l
 Date criteria derived: August 10, 1993
 Applicable waterbodies:

Not used during this period.

Chemical: Hexachlorobenzene CAS #118-74-1
 Human health criterion (HNC): 0.00025 ug/l
 Date criteria derived: November 15, 1991
 Applicable waterbodies:

ENVIRONMENTAL PROTECTION AGENCY

NOTICE OF PUBLIC INFORMATION

LISTING OF DERIVED WATER QUALITY CRITERIA

Not used during this period.

Chemical: Hexachlorobutadiene CAS #87-68-3
 Acute criterion: 34.5 ug/l Chronic criterion: 2.76 ug/l
 Date criteria derived: March 23, 1992
 Applicable waterbodies:

Not used during this period.

Chemical: Hexachloroethane CAS #67-72-1
 Acute criterion: 381 ug/l Chronic criterion: 30.5 ug/l
 Human health criterion (HNC): 2.9 ug/l
 Date criteria derived: November 15, 1991
 Applicable waterbodies:

Not used during this period.

Chemical: Isobutyl alcohol = 2-methyl-1-propanol CAS #78-83-1
 Acute criterion: 434 mg/l Chronic criterion: 34.8 mg/l
 Date criteria derived: December 1, 1993
 Applicable waterbodies:

Not used during this period.

Chemical: Methylene chloride CAS #75-09-2
 Acute criterion: 17,200 ug/l Chronic criterion: 1,380 ug/l
 Human health criterion (HNC): 340 ug/l
 Date criteria derived: January 21, 1992
 Applicable waterbodies:

Not used during this period.

Chemical: Methyl ethyl ketone CAS #78-93-3
 Acute criterion: 322,000 ug/l Chronic criterion: 26,000 ug/l
 Date criteria derived: July 1, 1992
 Applicable waterbodies:

Not used during this period.

Chemical: 4-methyl-2-pentanone CAS #108-10-1
 Acute criterion: 46 mg/l Chronic criterion: 3.68 mg/l
 Date criteria derived: January 13, 1992
 Applicable waterbodies:

Not used during this period.

ENVIRONMENTAL PROTECTION AGENCY

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LISTING OF DERIVED WATER QUALITY CRITERIA

Chemical: 2-methyl phenol CAS #95-48-7
 Acute criterion: 4.7 mg/l Chronic criterion: 0.37 mg/l.
 Date criteria derived: November 8, 1993
 Applicable waterbodies:

Not used during this period.

Chemical: 4-methyl phenol CAS #106-44-5
 Acute criterion: 670 mg/l Chronic criterion: 120 mg/l
 Date criteria derived: January 13, 1992
 Applicable waterbodies:

Not used during this period.

Chemical: Naphthalene CAS #91-20-3
 Acute criterion: 670 ug/l Chronic criterion: 68 ug/l
 Date criteria derived: November 7, 1991
 Applicable waterbodies:

Not used during this period.

Chemical: 4-nitroaniline CAS #100-01-6
 Acute criterion: 1.5 mg/l Chronic criterion: 0.12 mg/l
 Date criteria derived: May 5, 1996
 Applicable waterbodies:

Not used during this period.

Chemical: Nitrobenzene CAS #98-95-3
 Acute criterion: 15.4 mg/l Chronic criterion: 4.67 mg/l
 Human health criterion (HTC): 0.52 mg/l
 Date criteria derived: February 14, 1992
 Applicable waterbodies:

Not used during this period.

Chemical: Pentachlorophenol
 Acute criterion: 20 ug/l Chronic criterion: 13 ug/l
 Date criteria derived: national criterion, September 1986
 Applicable waterbodies:

Not used during this period.

Chemical: Phenanthrene CAS #85-01-8
 Acute criterion: 46 ug/l Chronic criterion: 3.7 ug/l
 Date criteria derived: October 26, 1992

ENVIRONMENTAL PROTECTION AGENCY

NOTICE OF PUBLIC INFORMATION

LISTING OF DERIVED WATER QUALITY CRITERIA

Applicable waterbodies:

Not used during this period.

Chemical: Pyrene CAS #120-00-0
 Human health criterion (HTC): 3,500 ug/l
 Date criteria derived: December 22, 1992
 Applicable waterbodies:

Not used during this period.

Chemical: Tetrachloroethylene CAS #127-18-4
 Acute criterion: 1,220 ug/l Chronic criterion: 152 ug/l
 Date criteria derived: March 23, 1992
 Applicable waterbodies:

Not used during this period.

Chemical: Tetrahydrofuran CAS #109-99-9
 Acute criterion: 216,000 ug/l Chronic criterion: 17,300 ug/l
 Date criteria derived: March 16, 1992
 Applicable waterbodies:

Not used during this period.

Chemical: Toluene CAS #108-88-3
 Acute criterion: 1,300 ug/l Chronic criterion: 110 ug/l
 Date criteria derived: August 16, 1990, revised May 17, 1991, January 26, 1993
 and January 14, 1999
 Applicable waterbodies:

07120001-2731/off Wiley Creek
 07120003-0005/off Little Calumet River

Chemical: 1,2,4-trichlorobenzene CAS #120-82-1
 Acute criterion: 353 ug/l Chronic criterion: 69.2 ug/l
 Date criteria derived: December 14, 1993
 Applicable waterbodies:

Not used during this period.

Chemical: 1,1,1-trichloroethane CAS #71-55-6
 Acute criterion: 4,910 ug/l Chronic criterion: 393 ug/l
 Date criteria derived: October 26, 1992
 Applicable waterbodies:

ENVIRONMENTAL PROTECTION AGENCY

NOTICE OF PUBLIC INFORMATION

LISTING OF DERIVED WATER QUALITY CRITERIA

Not used during this period.

Chemical: 1,1,2-trichloroethane CAS #79-00-5
 Acute criterion: 19,000 ug/l Chronic criterion: 3,540 ug/l
 Human health criterion (HNC): 12 ug/l
 Date criteria derived: December 13, 1993
 Applicable waterbodies:

Not used during this period.

Chemical: Trichloroethylene CAS #79-01-6
 Acute criterion: 11,700 ug/l Chronic criterion: 940 ug/l
 Date criteria derived: October 23, 1992
 Applicable waterbodies:

Not used during this period.

Chemical: Xylenes CAS # 1330-20-7
 Acute criterion: 1,500 ug/l Chronic criterion: 120 ug/l
 Date criteria derived: August 23, 1990, revised January 14, 1999
 Applicable waterbodies:

07120001-2731/off Wiley Creek
 07120003-0005/off Little Calumet River

For additional information concerning these criteria or the derivation process used in generating them, please contact:

Bob Mosher
 Illinois Environmental Protection Agency
 Division of Water Pollution Control
 1021 North Grand Avenue East
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 217/782-3362

ILLINOIS FARM DEVELOPMENT AUTHORITY

JULY 2000 REGULATORY AGENDA

- a) Part: Illinois Farm Development Authority, 8 Ill. Adm. Code 1400, Sections 1400.146 and 1400.148.

1) Rulemaking:

- A) Description: Policy changes are being made that affect Sections 1400.146 and 1400.148.
- B) Statutory Authority: 20 ILCS 3605/7
- C) Scheduled meeting/hearing date: None scheduled.
- D) Date agency anticipates First Notice: August 18, 2000
- E) Affect on small businesses, small municipalities or not for profit corporations: The change provides the opportunity for better financial structure for farmers.
- F) Agency contact person for information:
 Laura A. Lanterman
 Chief Financial Officer
 Illinois Farm Development Authority
 427 East Monroe Street, Suite 201
 Springfield, Illinois 62701
 217-782-5792
- G) Related rulemakings and other pertinent information: None

2001

ILLINOIS

REGISTER

RULES
OF GOVERNMENTAL
AGENCIES



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OFFICE OF BANKS AND REAL ESTATE

NOTICE OF PUBLIC INFORMATION

NOTICE OF FINE IMPOSED UNDER
THE RESIDENTIAL MORTGAGE LICENSE ACT OF 1987

Pursuant to Section 4-5(h) of the Residential Mortgage License Act of 1987 ("the Act"), 205 ILCS 635/4-5(h) (2000), notice is hereby given that the Commissioner of the Office of Banks and Real Estate of the State of Illinois has issued a fine of \$500 against Residential Finance Corporation, License No. 5562 of Columbus, Ohio a licensee under the Act, for violating the terms of the Act and the rules and regulations adopted thereunder, effective November 21, 2001.

ENVIRONMENTAL PROTECTION AGENCY

NOTICE OF PUBLIC INFORMATION

LISTING OF DERIVED WATER QUALITY CRITERIA

Pursuant to 35 Ill. Adm. Code 302.Subpart F, the following water quality criteria have been derived as listed. This listing includes only the waterbodies for which water quality criteria have been used during the period August 1, 2001 through October 31, 2001.

A cumulative listing of criteria as of July 31, 1993 was published in 17 Ill. Reg. 18904, October 29, 1993. Listings of waterbodies for which water quality criteria were used during subsequent three month periods were published in 18 Ill. Reg. 318, January 7, 1994; 18 Ill. Reg. 4457, March 18, 1994; 18 Ill. Reg. 8734, June 10, 1994; 18 Ill. Reg. 14166, September 9, 1994; 18 Ill. Reg. 17770, December 9, 1994; 19 Ill. Reg. 3563, March 17, 1995; 19 Ill. Reg. 7270, May 26, 1995; 19 Ill. Reg. 12527, September 1, 1995; 20 Ill. Reg. 649, January 5, 1996; 20 Ill. Reg. 4829, March 22, 1996; 20 Ill. Reg. 7549, May 30, 1996; 20 Ill. Reg. 12278, September 6, 1996; 20 Ill. Reg. 15619, December 6, 1996; 21 Ill. Reg. 3761, March 21, 1997; 21 Ill. Reg. 7554, June 13, 1997; 21 Ill. Reg. 12695, September 12, 1997; 21 Ill. Reg. 16193, December 12, 1997; 22 Ill. Reg. 5131, March 13, 1998; 22 Ill. Reg. 10689, June 12, 1998; 22 Ill. Reg. 16376, September 11, 1998; 22 Ill. Reg. 22423, December 28, 1998; 23 Ill. Reg. 3102, March 12, 1999; 23 Ill. Reg. 6979, June 11, 1999; 23 Ill. Reg. 11774, September 24, 1999; 23 Ill. Reg. 14772, December 27, 1999; 24 Ill. Reg. 4251, March 17, 2000; 24 Ill. Reg. 8146, June 9, 2000; 24 Ill. Reg. 14428, September 29, 2000; 25 Ill. Reg. 270, January 5, 2001; 25 Ill. Reg. 4049, March 16, 2001; 25 Ill. Reg. 7367, June 8, 2001; and 25 Ill. Reg. 12186, September 21, 2001.

Chemical: Acenaphthene
Acute criterion: 124 ug/l
Date criteria derived:
November 14, 1991
Applicable waterbodies:
Not used during this period.

CAS #83-32-9
Chronic criterion: 9.9 ug/l

Chemical: Acetone
Acute criterion: 1,530 mg/l
Date criteria derived:
May 25, 1993
Applicable waterbodies:
Not used during this period.

CAS #67-64-1
Chronic criterion: 122 mg/l

Chemical: Acetonitrile
Acute criterion: 375 mg/l
Date criteria derived:
December 7, 1993
Applicable waterbodies:
Not used during this period.

CAS #75-05-8
Chronic criterion: 30 mg/l

Chemical: Acrylonitrile

CAS #107-13-4

ENVIRONMENTAL PROTECTION AGENCY

NOTICE OF PUBLIC INFORMATION

LISTING OF DERIVED WATER QUALITY CRITERIA

Acute criterion: 910 ug/l
 Human health criterion (HNC):
 0.21 ug/l
 Date criteria derived:
 November 13, 1991
 Applicable waterbodies:
 Not used during this period.

Chronic criterion: 73 ug/l

Chemical: Anthracene
 Human health criterion (HTC):
 35 mg/l
 Date criteria derived:
 August 18, 1993
 Applicable waterbodies:
 Not used during this period.

CAS #120-12-7

Chemical: Benzene
 Acute criterion: 4,200 ug/l
 Human health criterion (HNC):
 21 ug/l
 Date criteria derived:
 August 15, 1990, revised
 January 14, 1999 and
 June 25, 2001
 Applicable waterbodies:
 Not used during this period.

Chronic criterion: 330 ug/l

CAS #71-43-2

Chemical: Benzo(a)anthracene
 Human health criterion (HNC):
 0.01 ug/l
 Date criteria derived:
 August 10, 1993
 Applicable waterbodies:
 Not used during this period.

CAS #56-55-3

Chemical: Benzo(a)pyrene
 Human health criterion (HNC):
 0.01 ug/l
 Date criteria derived:
 August 10, 1993
 Applicable waterbodies:
 Not used during this period.

CAS #50-32-8

Chemical: Benzo(b)fluoranthene
 CAS # 205-99-2

ENVIRONMENTAL PROTECTION AGENCY

NOTICE OF PUBLIC INFORMATION

LISTING OF DERIVED WATER QUALITY CRITERIA

Human health criterion (HNC):
 0.01 ug/l
 Date criteria derived:
 August 10, 1993
 Applicable waterbodies:
 Not used during this period.

Chemical: Benzo(k)fluoranthene
 Human health criterion (HNC):
 0.01 ug/l
 Date criteria derived:
 August 10, 1993
 Applicable waterbodies:
 Not used during this period.

CAS #207-08-9

Chemical: Carbon tetrachloride
 Acute criterion: 3,500 ug/l
 Human health criterion (HNC):
 1.4 ug/l
 Date criteria derived:
 June 18, 1993
 Applicable waterbodies:
 Not used during this period.

Chronic criterion: 280 ug/l

CAS #56-23-5

Chemical: Chlorobenzene
 Acute criterion: 993 ug/l
 Date criteria derived:
 December 11, 1991
 Applicable waterbodies:
 Not used during this period.

CAS #108-90-7
 Chronic criterion: 79 ug/l

Chemical: Chloroform
 Acute criterion: 1,870 ug/l
 Human health criterion (HNC):
 130 ug/l
 Date criteria derived:
 October 26, 1992
 Applicable waterbodies:
 Not used during this period.

CAS #67-66-3
 Chronic criterion: 150 ug/l

Chemical: Chrysene
 Human health criterion (HNC):
 0.01 ug/l
 Date criteria derived:
 August 10, 1993
 Applicable waterbodies:

CAS #218-01-9

ENVIRONMENTAL PROTECTION AGENCY

NOTICE OF PUBLIC INFORMATION

LISTING OF DERIVED WATER QUALITY CRITERIA

Not used during this period.

Chemical: 1,2-dichlorobenzene CAS #95-50-1
 Acute criterion: 210 ug/l Chronic criterion: 16.8 ug/l
 Date criteria derived:
 December 1, 1993
 Applicable waterbodies:
 Not used during this period.

Chemical: 1,3-dichlorobenzene CAS #541-73-1
 Acute criterion: 500 ug/l Chronic criterion: 196 ug/l
 Date criteria derived:
 July 31, 1991
 Applicable waterbodies:
 Not used during this period.

Chemical: 1,2-dichloroethane CAS #107-06-2
 Acute criterion: 24,900 ug/l Chronic criterion: 4,540 ug/l
 Human health criterion (HNC):
 23 ug/l
 Date criteria derived:
 March 19, 1992
 Applicable waterbodies:
 Not used during this period.

Chemical: 1,1-dichloroethylene CAS #75-35-4
 Acute criterion: 3,030 ug/l Chronic criterion: 242 ug/l
 Human health criterion (HNC):
 0.95 ug/l
 Date criteria derived:
 March 20, 1992
 Applicable waterbodies:
 Not used during this period.

Chemical: 2,4-dichlorophenol CAS #120-83-2
 Acute criterion: 631 ug/l Chronic criterion: 83.1 ug/l
 Date criteria derived:
 November 14, 1991
 Applicable waterbodies:
 Not used during this period.

Chemical: 1,2-dichloropropane CAS #78-87-5
 Acute criterion: 4,800 ug/l Chronic criterion: 380 ug/l
 Date criteria derived:
 December 7, 1993
 Applicable waterbodies:

ENVIRONMENTAL PROTECTION AGENCY

NOTICE OF PUBLIC INFORMATION

LISTING OF DERIVED WATER QUALITY CRITERIA

Not used during this period.

Chemical: 1,3-dichloropropylene CAS #542-75-6
 Acute criterion: 99 ug/l Chronic criterion: 7.9 ug/l
 Date criteria derived:
 November 13, 1991
 Applicable waterbodies:
 Not used during this period.

Chemical: 2,4-dimethyl phenol CAS #105-67-9
 Acute criterion: 740 ug/l Chronic criterion: 220 ug/l
 Date criteria derived:
 October 26, 1992
 Applicable waterbodies:
 Not used during this period.

Chemical: 4,6-dinitro-o-cresol = CAS #534=52=1
 2-methyl-4,6-dinitrophenol
 Acute criterion: 28.8 ug/l Chronic criterion: 2.3 ug/l
 Date criteria derived:
 November 14, 1991
 Applicable waterbodies:
 Not used during this period.

Chemical: 2,4-dinitrophenol CAS #51-28-5
 Acute criterion: 85.3 ug/l Chronic criterion: 4.07 ug/l
 Date criteria derived:
 December 1, 1993
 Applicable waterbodies:
 Not used during this period.

Chemical: 2,6-dinitrotoluene CAS #606-20-2
 Acute criterion: 1,910 ug/l Chronic criterion: 153 ug/l
 Date criteria derived:
 February 14, 1992
 Applicable waterbodies:
 Not used during this period.

Chemical: Diquat CAS #85-00-7
 Acute criterion: 1,330 ug/l Chronic criterion: 106 ug/l
 Date criteria derived:
 January 30, 1996
 Applicable waterbodies:
 Not used during this period.

Chemical: Ethylbenzene CAS #100-41-4

ENVIRONMENTAL PROTECTION AGENCY

NOTICE OF PUBLIC INFORMATION

LISTING OF DERIVED WATER QUALITY CRITERIA

Acute criterion: 210 ug/l Chronic criterion: 17 ug/l
 Date criteria derived:
 August 15, 1990, revised May 17,
 1991 and June 25, 2001
 Applicable waterbodies:
 05120109-272/off North Fork of Vermilion River
 07080104-39/off Camp Creek
 07120006-1045/off Squaw Creek

Chemical: Fluoranthene CAS #206-44-0
 Human health criterion (HTC):
 120 ug/l
 Date criteria derived:
 August 10, 1993
 Applicable waterbodies:
 Not used during this period.

Chemical: Formaldehyde CAS #50-00-0
 Acute criterion: 4.9 mg/l Chronic criterion: 0.39 mg/l
 Date criteria derived:
 January 19, 1993
 Applicable waterbodies:
 Not used during this period.

Chemical: Hexachlorobenzene CAS #118-74-1
 Human health criterion (HNC):
 0.00025 ug/l
 Date criteria derived:
 November 15, 1991
 Applicable waterbodies:
 Not used during this period.

Chemical: Hexachlorobutadiene CAS #87-68-3
 Acute criterion: 34.5 ug/l Chronic criterion: 2.76 ug/l
 Date criteria derived:
 March 23, 1992
 Applicable waterbodies:
 Not used during this period.

Chemical: Hexachloroethane CAS #67-72-1
 Acute criterion: 381 ug/l Chronic criterion: 30.5 ug/l
 Human health criterion (HNC):
 2.9 ug/l
 Date criteria derived: November 15, 1991
 Applicable waterbodies:

ENVIRONMENTAL PROTECTION AGENCY

NOTICE OF PUBLIC INFORMATION

LISTING OF DERIVED WATER QUALITY CRITERIA

Not used during this period.

Chemical: Isobutyl alcohol = CAS #78-83-1
 2-methyl-1-propanol
 Acute criterion: 434 mg/l Chronic criterion: 34.8 mg/l
 Date criteria derived:
 December 1, 1993
 Applicable waterbodies:
 Not used during this period.

Chemical: Methylene chloride CAS #75-09-2
 Acute criterion: 17,200 ug/l Chronic criterion: 1,380 ug/l
 Human health criterion (HNC):
 340 ug/l
 Date criteria derived:
 January 21, 1992
 Applicable waterbodies:
 Not used during this period.

Chemical: Methyleneketone CAS #78-93-3
 Acute criterion: 322,000 ug/l Chronic criterion: 26,000 ug/l
 Date criteria derived:
 ly 1, 1992
 Applicable waterbodies:
 Not used during this period.

Chemical: 4-methyl-2-pentanone CAS #108-10-1
 Acute criterion: 46 mg/l Chronic criterion: 1.4 mg/l
 Date criteria derived:
 January 13, 1992; revised
 November 16, 2001
 Applicable waterbodies:
 Not used during this period.

Chemical: 2-methyl phenol CAS #95-48-7
 Acute criterion: 4.7 mg/l Chronic criterion: 0.37 mg/l
 Date criteria derived:
 November 8, 1993
 Applicable waterbodies:
 Not used during this period.

Chemical: 4-methyl phenol CAS #106-44-5
 Acute criterion: 670 mg/l Chronic criterion: 120 mg/l
 Date criteria derived:
 January 13, 1992
 Applicable waterbodies:

ENVIRONMENTAL PROTECTION AGENCY

NOTICE OF PUBLIC INFORMATION

LISTING OF DERIVED WATER QUALITY CRITERIA

Not used during this period.

Chemical: Naphthalene CAS #91-20-3
 Acute criterion: 670 ug/l Chronic criterion: 68 ug/l
 Date criteria derived:
 November 7, 1991
 Applicable waterbodies:
 Not used during this period.

Chemical: 4-nitroaniline CAS #100-01-6
 Acute criterion: 1.5 mg/l Chronic criterion: 0.12 mg/l
 Date criteria derived:
 May 5, 1996
 Applicable waterbodies:
 Not used during this period.

Chemical: Nitrobenzene CAS #98-95-3
 Acute criterion: 15.4 mg/l Chronic criterion: 4.67 mg/l
 Human health criterion (HTC):
 0.52 mg/l
 Date criteria derived:
 February 14, 1992
 Applicable waterbodies:
 Not used during this period.

Chemical: Pentachlorophenol Chronic criterion: 13 ug/l
 Acute criterion: 20 ug/l
 Date criteria derived:
 national criterion, September
 1986
 Applicable waterbodies:
 Not used during this period.

Chemical: Phenanthrene CAS #85-01-8
 Acute criterion: 46 ug/l Chronic criterion: 3.7 ug/l
 Date criteria derived:
 October 26, 1992
 Applicable waterbodies:
 Not used during this period.

Chemical: Pyrene CAS #120-00-0
 Human health criterion (HTC):
 3,500 ug/l
 Date criteria derived:
 December 22, 1992
 Applicable waterbodies:

ENVIRONMENTAL PROTECTION AGENCY

NOTICE OF PUBLIC INFORMATION

LISTING OF DERIVED WATER QUALITY CRITERIA

Not used during this period.

Chemical: Tetrachloroethylene CAS #127-18-4
 Acute criterion: 1,220 ug/l Chronic criterion: 152 ug/l
 Date criteria derived:
 March 23, 1992
 Applicable waterbodies:
 Not used during this period.

Chemical: Tetrahydrofuran CAS #109-99-9
 Acute criterion: 216,000 ug/l Chronic criterion: 17,300 ug/l
 Date criteria derived:
 March 16, 1992
 Applicable waterbodies:
 Not used during this period.

Chemical: Toluene CAS #108-88-3
 Acute criterion: 2,000 ug/l Chronic criterion: 230 ug/l
 Date criteria derived:
 August 16, 1990, revised
 May 17, 1991, January 26, 1993,
 January 14, 1999 and
 June 25, 2001
 Applicable waterbodies:

05120109-272/off North Fork of Vermilion River
 07080104-39/off Camp Creek
 07120006-1045/off Squaw Creek

Chemical: 1,2,4-trichlorobenzene CAS #120-82-1
 Acute criterion: 353 ug/l Chronic criterion: 69.2 ug/l
 Date criteria derived:
 December 14, 1993
 Applicable waterbodies:
 Not used during this period.

Chemical: 1,1,1-trichloroethane CAS #71-55-6
 Acute criterion: 4,910 ug/l Chronic criterion: 393 ug/l
 Date criteria derived:
 October 26, 1992
 Applicable waterbodies:
 Not used during this period.

Chemical: 1,1,2-trichloroethane CAS #79-00-5
 Acute criterion: 19,000 ug/l Chronic criterion: 3,540 ug/l

ENVIRONMENTAL PROTECTION AGENCY

NOTICE OF PUBLIC INFORMATION

LISTING OF DERIVED WATER QUALITY CRITERIA

Human health criterion (HNC):
12 ug/l
Date criteria derived:
December 13, 1993
Applicable waterbodies:
Not used during this period.

Chemical: Trichloroethylene CAS #79-01-6
Acute criterion: 11,700 ug/l Chronic criterion: 940 ug/l
Date criteria derived: CAS # 1330-20-7
October 23, 1992
Applicable waterbodies:
Not used during this period.

Chemical: Xylenes
Acute criterion: 920 ug/l Chronic criterion: 73 ug/l
Date criteria derived:
August 23, 1990, revised
January 14, 1999 and
June 25, 2001
Applicable waterbodies:

05120109-272/off North Fork of Vermilion River
07080104-39/off Camp Creek
07120006-1045/off Squaw Creek

For additional information concerning these criteria or the derivation process used in generating them, please contact:

Bob Mosher
Illinois Environmental Protection Agency
Division of Water Pollution Control
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276
217/782-3362

DEPARTMENT OF HUMAN SERVICES

NOTICE OF WITHDRAWAL OF PROPOSED AMENDMENTS

- 1) Heading of the Part: Aid to the Aged, Blind or Disabled
- 2) Code Citation: 89 Ill. Adm. Code 113
- 3) Section Number: Proposed Action:
113.253 Amendment
113.260 Amendment
- 4) Date Notice of Proposed Amendments Published in the Illinois Register:
October 5, 2001 at (25 Ill. Reg. 12507)
- 5) Reason for the Withdrawal: A grant adjustment is an allowance for Aid to the Aged, Blind or Disabled cases that ensures that the amount of the Supplemental Security Income (SSI) increase from July 1977 and later will be available to clients. As a result of the \$1.00 increase in SSI benefits for individuals due to a recent correction in the Consumer Price Index, the Department proposed amendments to Sections 113.253 and 113.260 to increase the Grant Adjustment and the Sheltered Care/Personal Care or Nursing Care Rates by \$1.00. The Department is withdrawing these amendments in order to comply with federal regulations and proposed amendments to increase the Grant Adjustment and Sheltered Care/Personal and Nursing Care Rates by \$14.00, the amount of the January 2002 SSI cost of living adjustment. The new proposed rulemaking will include the amount of the \$1.00 correction to the Consumer Price Index increase, resulting in an overall increase of \$15.00.

Ambient Water Quality Monitoring Network (AWQMN)

(4/30/97)

Station Code	Stream Name	Critical Hardness	County	Latitude Longitude	Description
OHIO RIVER BASIN					
A 06	Ohio River	88	Pulaski	37 12 11 89 02 30	North End of Dam 53, East of Olmsted
AD 02	Cache River	125	Johnson	37 20 11 88 55 26	Co. Rd. Br., 1.0 miles NE of Belknap
AK 02	Lusk Creek	54	Pope	37 28 20 88 32 50	Co. Rd. Br., 2.8 miles SE of Edayville
AT 06	Saline River	* 233	Gallatin	37 38 53 88 14 30	Peabody Br., 1.3 miles E of Gibsonia
ATF 04	N. Fork Saline River	* 220	Saline	37 53 18 88 23 06	Rt. 45 Br., 5.1 miles NE of Eldorado
ATG 03	Middle Fork Saline Riv.	* 579	Saline	37 42 28 88 29 31	Co. Rd Br., 2.7 miles SE of Harrisburg
ATGC 01	Bankston River	* 998	Saline	37 46 05 88 32 25	Rt. 34 Br., 2.5 miles N of Harrisburg
ATH 02	S. Fork Saline River	219	Williamson	37 37 22.5 88 48 43.5	Co. Rd. Br., 3.4 miles Crab Orchard
ATH 05	S. Fork Saline River	317	Saline	37 38 16 88 40 40	Rt. 45 Br., 3.8 miles SW of CARrier Mills
ATHG 01	Sugar Creek	1400	Williamson	37 39 19 88 45 48	Co. Rd. Br., 5.1 miles NE of Creal Springs
WABASH RIVER BASIN					
B 06	Wabash River	223	Crawford	39 06 37 87 39 18	Indiana Rt. 154 Br. at Hudsonville
B 07	Wabash River	190	White	38 07 55 87 56 25	Rt. 460 Br.; near New Harmony, IN
BC 02	Bonpas Creek	150	Edwards- Wabash	38 23 11 87 58 32	Rt. 15 Br., 0.6 miles NE of Browns
BE 01	Embarras River	* 189	Lawrence	38 39 54 87 37 35	Co. Rd. Br., 1.3 miles E of Billet
BE 07	Embarras River	254	Jasper	38 56 10 88 01 10	Co. Rd. Br., at N edge of St. Marie
BE 09	Embarras River	250	Cumberland	39 20 40 88 10 15	Ryan Bridge, County Rd. 9 miles S of Charleston

Illinois EPA Exhibit No. C

* indicates no flow data collected

note: critical hardness expressed as CaCO₃ (mg/L)

Ambient Water Quality Monitoring Network (AWQMN)

(4/30/97)

Station Code	Stream Name	Critical Hardness	County	Latitude Longitude	Description
BE 14	Embarras River	280	Douglas	39 47 59 88 10 13	Co. Rd. Br., west edge of Camargo
BEF 05	N Fork Embarras Riv.	193	Crawford	39 00 01 87 56 52	Rt. 33 Br., 2.8 miles W of Oblong
BF 01	Sugar Creek	* 294	Crawford	39 00 16 87 35 50	Twp. Rd. Br., NE of Palestine near ICRR
BM 02	Sugar Creek	* 260	Edgar	39 29 53 87 33 11	Co. Rd. Br., 1 mile from Indiana line
BN 01	Brouillets Creek	250	Vermillion	39 40 53 87 31 16	Indiana Rt. 71 Br., 0.5 miles N of Blanford
BO 07	Little Vermillion Riv	244	Vermillion	38 07 55 87 56 25	Co. Rd. Br., 4 miles SE of Georgetown
BP 01	Vermillion River	278	Vermillion	40 05 53 87 35 37	Grape Creek Rd., 3.5 miles SE of Danville
BPG 09	N. Fork Vermillion Riv.	231	Vermillion	40 16 13 87 38 34	2 miles W of Bismark on Co. Rd.
BPJ 03	Salt Fork Vermillion Riv.	239	Vermillion	40 04 56 87 46 53	Co. Rd. Br., 3 miles S of Oakwood
BPJ 07	Salt Fork Vermillion Riv.	277	Champaign	40 07 59 88 06 15	Co. Rd. Br., 2.5 miles N of St. Joseph
BPJC 06	Saline Br.	172	Champaign	40 08 12 87 07 55	Co. Rd. Br., 1 mile N of Mayview
BPK 07	Middle Fork Vermillion Riv.	334	Vermillion	40 08 12 87 44 45	Kickapoo St. Park Br., upstream of I-74 Br.
C 09	Little Wabash River	135	Edwards	38 31 08 88 07 55	W Salem-Mt. Erie Rd Br., SW of Blood
C 19	Little Wabash River	130	Clay	38 46 23 88 29 50	Co. Rd. Br., NE of Louiville
C 21	Little Wabash River	143	Effingham	39 06 13 88 35 33	US 40 Br., 2.2 miles SW of Effingham
C 22	Little Wabash River	141	Clay	38 38 05 88 17 50	Co. Rd. Br., 5 miles SE of Clay City
C 23	Little Wabash River	136	White	38 05 31 88 09 20	Main St. Br. in Carmi

Ambient Water Quality Monitoring Network (AWQMN)

(4/30/97)

Station Code	Stream Name	Critical Hardness	County	Latitude Longitude	Description
CA 03	Skillet Fork	* 113	White	38 09 12 88 09 55	Winters Br. Co. Rd., 4.0 miles N of Carmi
CA 05	Skillet Fork	137	Wayne	38 21 25 88 35 00	Rt. 15 Br., 1.0 miles N of Wayne City
CA 06	Skillet Fork	160	Marion	38 31 10 88 43 39	Co. Rd. Br., 7.5 miles SE of Iuka
CD 01	Elm Creek	* 106	Wayne	38 26 28 88 15 33	Price Br. Co. Rd., 6 miles NE of Fairfield
ILLINOIS RIVER BASIN					
D 01	Illinois River	245	Calhoun / Greene	39 09 37 90 36 55	Rt. 100 Br. at Hardin
D 05	Illinois River	221	Peoria / Tazwell	40 34 23 89 39 17	Rt. 9 Br. at Pekin
D 09	Illinois River	* 251	Marshall	41 01 30 89 25 02	Rt. 17 Br. at Lacon
D 16	Illinois River	214	Putman	41 15 26 89 20 45	Rt., 26 Br. at Hennepin
D 23	Illinois River	220	LaSalle	41 19 40 88 45 10	Marseilles downstream from Nabisco Blvd.
D 30	Illinois River	216	Peoria	40 43 30 89 32 58	Peoria PWS intake
D 31	Illinois River	242	Mason	40 16 40 90 04 53	Illinois Power intake near Havana
D 32	Illinois River	252	Scott	39 42 10 90 38 40	Wagaxh RR Br., 0.5 miles E of Valley City
DA 04	Macoupin Creek	169	Macoupin	39 12 05 89 58 41	Macoupin Station; Plainview Rd. Br.
DA 06	Macoupin Creek	227	Greene	39 14 03 90 23 40	Rt. 267 Br., 3.5 miles NW of Kane
DB 01	Apple Creek	* 233	Greene	39 22 11 90 32 46	Co. Rd. Br., 6 miles N of Eldred
DD 04	Mauvaise Creek	194	Scott	39 43 53 90 24 26	Co. Rd. Br., 1.5 miles NE of Merritt

* indicates no flow data collected

note: critical hardness expressed as CaCO₃ (mg/L)

Ambient Water Quality Monitoring Network (AWQMN)

(4/30/97)

Station Code	Stream Name	Critical Hardness	County	Latitude Longitude	Description
DE 01	McKee Creek	* 249	Pike	39 49 04 90 39 09	Rt. 104 Br., at Chambersburg
DF 04	Indian Creek	272	Cass	39 52 40 90 22 38	Co. Rd. Br., SW of Arenzville
DG 01	LaMoine River	154	Brown / Schuyler	40 01 31 90 37 55	US Rt. 24 Br. at Ripley
DG 04	LaMoine River	188	McDonough	40 19 45 90 53 55	Rt. 61 Br. at Colmar
DH 01	Sugar Creek	245	Schuyler	40 05 49 90 24 16	Rt. 100 Br., 2 miles NE of Frederick
DJ 02	Spoon River	370	Knox	40 54 33 90 05 12	US 150 Br., 3.6 miles SW of Williamfield
DJ 06	Spoon River	460	Stark	41 03 47 89 47 43	Rt. 17 Br., 2 miles W of Wyoming
DJ 08	Spoon River	* 306	Fulton	40 29 24 90 20 26	Rt. 95 ; 0.4 miles NE of Seville
DJ 09	Spoon River	* 335	Fulton	40 42 51 90 16 00	Br. at north edge of London Mills
DJB 18	Big Creek	455	Fulton	40 27 32 90 08 00	Co. Rd. Br., 2.0 miles SW of Bryant
DJBZ 01	Slug Run	1065	Fulton	40 28 24 90 08 37	Private Rd., 2.5 miles NW of Bryant
DJL 01	Indian Creek	244	Stark	41 01 06 89 50 07	Co. Rd. Br., 3 miles W of Wyoming
DK 12	Mackinaw River	279	Tazewell	40 26 51 89 41 28	Co. Rd. Br., 4 miles SSW of S. Pekin
DK 13	Mackinaw River	282	Tazewell	40 35 12 89 16 42	Co. Rd. Br., 4 miles SE of Deer Creek
DL 01	Kickapoo Creek	* 398	Peoria	40 39 18 89 39 19	US 24 Br., No of Bartonville
DQ 03	Big Bureau Creek	167	Bureau	41 21 55 89 29 55	Rt. 6 Br. near Princeton
DQD 01	West Bureau Creek	267	Bureau	41 21 57 89 34 07	US 6-34 Br. at E edge of Wyanet

Ambient Water Quality Monitoring Network (AWQMN)

(4/30/97)

Station Code	Stream Name	Critical Hardness	County	Latitude Longitude	Description
DR 01	Little Vermillion River	* 340	LaSalle	41 20 00 89 34 07	US 6 Br. in LaSalle
DS 06	Vermillion River	312	Livingston	40 49 42 88 34 29	Co. Rd. Br., 0.5 miles E of McDowell
DS 07	Vermillion River	282	LaSalle	41 17 10 88 55 51	Co. Rd. Br., 3 miles NE of Leonore
DV 04	Mazon River	265	Grundy	41 17 10 88 21 35	Rt. 113 Br. 4 miles W of Coal City
DW 01	Aux Sable Creek	* 335	Grundy	41 25 02 88 20 51	US 6 Br., 6 miles NE of Morris
DZZP 03	Farm Creek	* 344	Tazewell	40 40 16 89 34 48	Camp St. Br., NE of Peoria, 400 ft. from Br.
FOX RIVER BASIN					
DT 06	Fox River	299	McHenry	42 09 59 88 17 25	Rt. 62 Algonquin Rd. Br.
DT 09	Fox River	249	Kane	41 59 40 88 17 40	State St. Br. in S. Elgin
DT 22	Fox River	* 300	McHenry	42 16 44 88 13 31	Rt. 176 Br., 5 miles ENE of Crystal Lake
DT 35	Fox River	252	Lake	42 28 45 88 10 42	Rt. 173 Br. near Wisconsin line
DT 38	Fox River	275	Kane	41 43 46 88 20 19	Mill St. Br. in Montgomery
DT 46	Fox River	241	LaSalle	41 23 14 88 47 21	Co. Hwy. 18 at Dayton
DTB 01	Somonauk Creek	* 311	LaSalle	41 32 37 88 41 12	E-W Twp. Rd. Br. 1 miile N of Sheridan
DTD 02	Blackberry Creek	364	Kendall	41 40 18 88 26 29	US Rt. 47 Br., north of Yorkville
DTG 02	Poplar Creek	329	Cook	42 01 35 88 15 20	US Rt. 20 Br., Villa St. in Elgin
DTK 04	Nippersink Creek	335	McHenry	42 26 37 88 14 51	Winn Rd. Br., 0.6 miles W of Spring Grove

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Station Code	Stream Name	Critical Hardness	County	Latitude Longitude	Description
SANGAMON RIVER BASIN					
E 05	Sangamon River	242	Macon	39 47 48 89 06 15	Lincoln Trail Br., 5 miles SE of Niantic
E 06	Sangamon River	* 238	Macon	39 49 28 88 57 20	Decatur PWS intake, near dam
E 09	Sangamon River	215	Macon	39 49 52 88 58 35	Rt. 48 Br. at Decatur
E 16	Sangamon River	280	Christian / Sangamon	39 44 32 89 23 57	Co. Rd. Br., 4.5 miles S of Mechanicsburg
E 24	Sangamon River	238	Menard	40 00 37 89 50 42	Rt. 123 Br., E of Petersburg
E 25	Sangamon River	286	Menard / Mason	40 07 25 89 59 05	Rt. 97 Br. near Oakford
E 26	Sangamon River	263	Sangamon	39 50 34 89 32 52	Old Rt. 36, W of Riverton
E 28	Sangamon River	261	Piatt	40 04 08 88 38 07	Co. Rd. Br., 4.5 miles SW of Monticello
E 29	Sangamon River	292	Champaign	40 18 40 88 19 20	Rt. 136 Br., 0.75 miles E of Fisher
EI 02	Salt Creek	299	Mason	40 08 01 89 44 08	Rt. 29 Br., 4 miles N of Greenview
EI 06	Salt Creek	254	DeWitt	4 006 54 89 02 57	Co. Rd. Br., 2 miles NE of Kenney
EID 04	Sugar Creek	166	Logan	40 13 20 89 24 12	Twp. Rd., 2.6 miles SE of Hartsburg
EIE 04	Kickapoo Creek	315	DeWitt	40 15 20 89 07 40	Co. Rd. Br., 0.75 miles N of Waynesville
EIE 05	Kickapoo Creek	300	Logan	40 11 30 89 21 40	Co. Rd. Br., 1.75 miles N of Lincoln
EIG 01	Lake Fork	286	Logan	39 57 00 89 41 16	Rt. 54 Br., 2 miles NE of Cornland
EL 01	Spring Creek	197	Sangamon	39 49 16 89 41 16	Bruns Lane Br., NW edge of Springfield

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Station Code	Stream Name	Critical Hardness	County	Latitude Longitude	Description
EO 01	South Fork	140	Sangamon	39 45 50 89 33 43	Rt. 29 Br., 1.5 miles NW of Rochester
EO 02	South Fork	230	Christian	39 34 44 89 23 31	Rt. 104 Br., 1 mile E of Kinkaid
EOA 01	Sugar Creek	* 250	Sangamon	39 47 07 89 35 20	Rt., 29 Br., 1 mile SE of Springfield
EOD 01	Clear Creek (Lake Sangchris)	* 210	Sangamon / Christian	39 39 05 89 29 07	New City Rd., Lake Sangchris Dam
EOH 01	Flat Branch	180	Christian	39 33 14 89 15 12	Old Rt. 29 Br., 1 mile E of Taylorville
KANKAKEE RIVER BASIN					
F 01	Kankakee River	279	Will	41 20 48 88 11 11	Old Rt. 29 Br., 1 mile E of Wilmington
F 02	Kankakee River	305	Kankakee	41 09 36 87 40 07	Hwy 1 Br., at Momence
FL 02	Iroquois River	262	Kankakee	41 00 29 87 49 22	Co. Rd. Br., 5 miles W of Anne
FL 04	Iroquois River	312	Iroquois	40 49 25 87 34 55	US 52 Br. at Iroquois
FLI 02	Sugar Creek	277	Iroquois	40 37 50 87 43 25	Co. Rd. Br., 1 mile W of Milford
DES PLAINES RIVER / LAKE MICHIGAN BASIN					
G 07	Des Plaines River	248	Lake	42 20 39 87 56 18	Rt. 120, Belvidere Rd. Br., E of Grayslake
G 08	Des Plaines River	395	Lake	42 29 22 87 55 32	Russel Rd. Br., 1 mile downstream of Wisconsin
G 11	Des Plaines River	246	Will	41 35 47 88 04 07	Division St. Br. at Lockport
G 15	Des Plaines River	257	Cook	41 57 11 87 51 15	Irving Park Rd. Br. at Schiller Park
G 22	Des Plaines River	286	Cook	42 04 55 87 53 25	Central Ave. Br. at Des Plaines

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Station Code	Stream Name	(4/30/97)	County	Latitude		Description
		Critical Hardness		Longitude	Longitude	
G 23	Des Plaines River	* 205	Will	41 32 18	88 05 00	Rt. 53 (Ruby St. Br.) in Joliet
G39	Des Plaines River	275	Cook	41 49 20	88 09 58	Barry Point Rd. at Riverside
GB 10	DuPage River	270	Will	41 41 24	88 09 58	Plainfield/Naperville Rd. Br.
GB 11	DuPage River	288	Will	41 31 20	88 11 35	Rt. 52 at Shorewood
GBK 05	West Branch DuPage River	372	DuPage	41 49 22	88 10 23	Rt. 56 Butterfield Rd Br. near Warrenville
GBK 09	West Branch DuPage River	204	DuPage	41 54 39	88 10 44	Rt. 64/St. Charles Rd. Br. N of W Chicago
GBL 10	East Branch DuPage River	218	DuPage	41 48 02	88 04 53	Rt. 34 Br. near Lisle
GG 02	Hickory Creek	191	Will	41 31 10	88 04 10	Washington St. Br. at Joliet
GI 01	Sanitary & Ship Canal	192	Will	41 38 27	88 03 36	135th St. Br. at Romeoville
GI 02	Sanitary & Ship Canal	187	Will	41 34 11	88 04 42	Division St. Br. at Lockport
GL 09	Salt Creek	234	Cook	41 49 35	87 54 00	Wolf Road Br.
GLA 02	Addison Creek	286	Cook	41 52 48	87 52 07	Washington Blvd. Br. in Bellwood
H 01	Calumet-Sag Channel	* 218	Cook	41 41 45	87 56 11	Rt. 83 Br., 3 mile NE of Lemont
HB 42	Little Calumet R.S.	343	<i>Cook Lake (W)</i>	41 34 07	87 31 18	Hohman Ave. Br., N of Munster
HDB 04	Thorn Creek	321	Cook	41 34 05	87 36 30	Thornton/Lansing Rd. Br. in Thornton
HCC 07	North Branch Chicago River	199	Cook	42 00 44	87 47 45	Touhy Ave. Br. in Niles
HCCC 02	Middle Fork North Branch	234	Lake / Cook	42 09 10	87 49 07	Lake/Cook Co. Line Rd. Br. Chicago River

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Station Code	Stream Name	Critical Hardness	County	Latitude Longitude	Description
MISSISSIPPI RIVER SOUTH BASIN					
I 84	Mississippi River	226	Alexander	37 13 00 89 27 50	at Thebes, IL
II 03	Marys River	773	Randolph	37 57 22 89 42 22	Co. Rd. Br., 0.3 miles E of Welge
IX 04	Cache River	* 102	Alexander / Pulaski	37 12 12 89 15 29	Co. Rd. Br., 0.7 miles E of Sandusky
MISSISSIPPI RIVER SOUTH CENTRAL BASIN					
J 05	Mississippi River	* 196	Jersey	38 57 07 90 22 12	near Elsay Rm. 214.6
JMAC 02	Harding Ditch (Cahokia Canal #	* 311	St. Clair	38 35 42 90 05 18	Lake Drive at Frank Holten State Park
JN 02	Cahokia Canal	* 313	Madison	38 40 01 90 03 56	Sand Prarie Ln. Br. SE of Horseshoe Lake
JNA 01	Canteen Creek	* 344	Madison	38 39 58 90 03 56	Sand Prarie Ln. Br. SE of Horseshoe Lake
JQ 05	Cahokia Creek	130	Madison	38 49 28 89 58 29	Rt. 143 Br. NW of Edwardsville
JR 02	Wood River	* 288	Madison	38 53 03 90 07 20	Rt. 3 Br. at Milton Rd. Junction in Alton
MISSISSIPPI RIVER NORTH CENTRAL BASIN					
K 04	Mississippi River	167	Hancock	40 23 37 91 22 27	at Keokuk, Iowa
KCA 01	Bay Creek	168	Pike	39 26 35 90 47 45	Twp. Rd. Br. at west edge of Nebo
KI 02	<i>Bay</i> Bay Creek	157	Adams	40 08 34 91 20 14	Co. Rd. Br., 2.2 miles NE of Marcelline
LD 02	Henderson River	222	Henderson	41 00 05 90 51 15	Rt. 94 Br., 1 mile S of Bald Bluff
LF 01	Edwards River	251	Mercer	41 11 15 90 58 05	Rt. 17 Br., 2 miles NE of New Boston

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Station Code	Stream Name	Critical Hardness	County	Latitude Longitude	Description
MISSISSIPPI RIVER NORTH BASIN					
M 04	Mississippi River	156	Whiteside	41 46 53 90 15 04	Rt. 136 Br. at Fulton
MJ 01	Plum River	306	Carroll	42 05 50 90 07 38	US 52 Br. at E edge of Savanna
MN 03	Apple River	345	Jo Daviess	42 19 07 90 15 18	US 20 Br., 2 miles W of Elisabeth
MQ 01	Galena River	* 450	Jo Daviess	42 24 50 90 25 40	US 20 Br. at Galena
BIG MUDDY RIVER BASIN					
N 08	Big Muddy River	108	Jefferson	38 18 36 88 59 18	Rt. 15 Br., 3.0 miles W of Mt. Vernon
N 10	Big Muddy River	* 86	Franklin	38 02 30 88 57 30	Dam Access Rd. Br., 2.5 miles NW of Benton
N 11	Big Muddy River	120	Franklin	37 54 05 89 00 50	Rt. 149 Br., 0.7 miles W of Plumfield
N 12	Big Muddy River	250	Jackson	37 45 30 89 19 38	Rt. 127 Br. S of Murphysboro
NA 01	Cedar Creek	* 58	Jackson	37 40 15 89 19 21	Rt. 127 Br., 6 miles NNE of Alto Pass
NB 01	Kinkaid Creek	* 74	Jackson	37 46 38 89 27 14	dwnstrm fo Crissenberry Dam, Murphysboro
NC 07	Beaucoup Creek	832	Jackson	37 54 12 89 22 36	Co. Rd. Br., 2.0 miles W of Vergennes
ND 01	Crab Orchard Creek	128	Jackson	37 46 18 89 10 49	Dillinger Rd. Br., 3.2 miles NE of Carbondale
ND 02	Crab Orchard Creek	100	Williamson	37 42 51 89 09 04	Crab Orchard Lake Spillway Road
ND 04	Crab Orchard Creek	429	Williamson	37 43 52 88 53 21	Rt. 13 Br., 1.3 miles E of Marion
NE 05	Little Muddy River	237	Jackson	37 54 03 89 12 31	Co. Rd. Br., 1.3 miles E of Elkville

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Station Code	Stream Name	Critical Hardness	County	Latitude Longitude	Description
NG 02	Pond Creek	98	Franklin	37 54 03 88 55 54	Co. Rd. Br., 0.5 miles S of W Frankfort
NH 06	Middle Fork Big Muddy River	* 132	Franklin	37 56 58 88 54 00	Co. Rd. Br., 2.7 miles SSE of Benton
NJ 07	Casey Fork	116	Jefferson	38 16 10 88 53 55	Rt. 37 Br., 3 miles S of Mt. Vernon
NK 01	Rayse Creek	93	Jefferson	38 15 14 89 02 23	Twp Rd. Br. 2.4 miles N of Waltonville
KASKASKIA RIVER BASIN					
O 02	Kaskaskia River	218	Coles	39 34 59 88 24 50	Local Rd. Br. in Cook Mills
O 07	Kaskaskia River	150	Clinton	38 34 28 89 22 09	Rt. 127 Br., 2.3 miles S of Carlyle
O 08	Kaskaskia River	240	Fayette	38 57 35 89 05 20	US Rt. 51 Br. at SE edge of Vandalia
O 10	Kaskaskia River	245	Shelby	39 13 50 88 50 33	Rt. 128 Br., 2 miles SE of Cowden
O 11	Kaskaskia River	205	Shelby	39 24 25 88 46 50	Rt. 16 Br. at Shelbyville near dam
O 15	Kaskaskia River	* 298	Moultrie	39 34 22 88 31 53	Rt. 121 Br., 1 mile N of Allenville
O 20	Kaskaskia River	180	Clinton / Washington	38 27 02 89 37 39	Rt 160-177 Br., 4.3 miles NW of Okawville
O 30	Kaskaskia River	190	Randolph	38 00 58 89 57 14	Co. Rd. Br., 2.7 miles W of Ellis Grove
O 31	Kaskaskia River	* 249	Douglas	39 51 53 88 21 52	Co. Rd. Br., 4 miles W of Hayes
OC 04	Richland Creek	* 291	St. Clair	38 19 26 89 58 15	Rt. 1565 Br., 1.6 miles NE of Hecker
OD 06	Silver Creek	183	Madison	38 43 00 89 49 45	Rt. 40 Br., 2.7 miles SE of Troy
OD 07	Silver Creek	191	St. Clair	38 24 22 89 52 26	Rt. 460 Br., 2.2 miles SE of Freeburg

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Station Code	Stream Name	Critical Hardness	County	Latitude Longitude	Description
OH 01	Sugar Creek	116	Clinton	38 32 29 89 37 36	Rt. 161 Br., 0.5 miles W of Albers
OI 08	Shoal Creek	157	Clinton	38 36 35 89 29 40	Rt. 50 Br., 1.4 miles E of Breese
OI 09	Shoal Creek	198	Montgomery	39 03 46 89 32 46	Co. Rd. Br. 523, 3 miles NW of Panama
OJ 07	Crooked Creek	118	Marion	38 33 50 89 03 01	Co. Rd Br., 3.1 miles S of Odin
OJ 08	Crooked Creek	134	Washington	38 30 25 89 16 24	Hoyleton Rd. Br., 2.2 miles SW of Hoffman
OK 01	East Fork Kaskaskia	92	Marion	38 41 20 89 05 55	Rt. 51 Br., 5.2 miles N of Sandoval
OKA 01	North Fork Kaskaskia	* 106	Marion	38 46 25 89 09 15	Old Patoka Rd Bridge
OL 02	Hurricane Creek	208	Fayette	38 55 21 89 14 14	Rt. 140 Br., 1.0 mile E of Mulberry Grove
ON 01	Hickory Creek	175	Fayette	38 55 30 89 02 20	Co. Rd. Br., 2.7 miles S of Bluff City
OQ 01	Beck Creek	182	Shelby / Fayette	39 12 04 89 01 53	Co. line Rd. Br., 2 miles W of Herrick
OT 02	West Okaw River	262	Moultrie	39 42 15 88 39 51	Rt. 32 Br., NW of Lovington
OU 01	Jonathon Creek	* 329	Moultrie	39 36 03 88 32 43	Rt. 121 Br., 2.5 miles E of Sullivan
OZC 01	Plum Creek	300	Randolph	38 08 48 89 50 35	Co. Rd. Br., 2.5 miles S of Baldwin
OZZT 01	Asa Creek	258	Moultrie	39 37 11 88 36 17	Co. Rd. Br., 0.8 miles N of Sullivan
ROCK RIVER BASIN					
P 04	Rock River	250	Henry / Rock Island	41 33 35 90 10 55	Rt. 92 Br., 2 miles E of Joslin
P 06	Rock River	235	Whiteside	41 47 00 89 44 58	US Rt. 30 Br., 2 miles W of Rock Falls

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Station Code	Stream Name	Critical Hardness	County	Latitude Longitude	Description
P 14	Rock River	241	Ogle	42 07 18 89 15 09	Rt. 72 Br. at Byron
P 15	Rock River	277	Winnebago	42 26 55 89 04 11	Rt. 75 Br. at Rockton
P 20	Rock River	244	Ogle / Lee	41 53 23 89 25 10	Rt. 2 Br., near Grand Detour; county line
PB 02	Green River	338	Whiteside	41 35 38 89 41 22	Rt. 88 Br., 1 mile S of Deer Grove
PB 04	Green River	323	Henry	41 29 20 90 09 30	Rt. 82 Br.. N of Geneseo
PE 05	Rock Creek	349	Whiteside	41 40 14 90 01 34	Rt. 2 Br., 3 miles NE of Erie
PH 16	Elkhorn Creek	338	Whiteside	41 54 10 89 41 40	2 miles NW of Penrose Co. Rd. Br.
PL 03	Kyte River	275	Ogle	41 59 50 89 17 30	Honey Crk Rd. Br. 1 mile E of Daysville
PQ 02	Kishwaukee River	277	Winnebago	42 12 06 88 58 43	Perryville Rd. Br., ner S. Branch
PQ 10	Kishwaukee River	323	Boone	42 15 40 88 43 00	Co. Rd Br., 0.5 miles N of Graden Prane
PQ 12	Kishwaukee River	279	Winnebago	42 11 45 88 59 55	Blackhawk Rd. Br.
PQB 02	Kilbuck Creek	336	Winnebago	42 09 37 89 04 34	US 251 Br., 4 miles S of Rockford
PQC 06	South Branch Kishwaukee River	281	DeKalb	42 06 40 88 54 00	Co. Rd. Br., 0.5 miles N of Rt. 72
PQF 07	Coon Creek	336	McHenry	42 10 58 88 38 28	Riley-Harmon Rd. 0.8 miles SW of Riley
PW 01	Pecatonica River	333	Winnebago	42 25 39 89 11 44	Rt. 75 Br. at Harrison
PW 08	Pecatonica River	327	Stephenson	42 18 13 89 36 57	Rt. 75 Br., Westbound at Freeport
PWN 01	Yellow Creek	336	Stephenson	42 16 56 90 01 34	Hollywood Road at SE edge of Freeport