

TABLE OF CONTENTS

February 15, 2013 Volume 37, Issue 7

PROPOSED RULES

COMMERCE COMMISSION, ILLINOIS

Utility Service of Military Personnel in Military Service

83 Ill. Adm. Code 281.....1835

ILLINOIS GAMING BOARD

Riverboat Gambling

86 Ill. Adm. Code 3000.....1837

PUBLIC HEALTH, DEPARTMENT OF

Emergency Medical Services and Trauma Center Code

77 Ill. Adm. Code 515.....1850

ADOPTED RULES

HUMAN SERVICES, DEPARTMENT OF

General Administrative Provisions

89 Ill. Adm. Code 10.....1865

General Assistance (Repealer)

89 Ill. Adm. Code 114.....1881

Related Program Provisions

89 Ill. Adm. Code 117.....1884

Collections and Recoveries

89 Ill. Adm. Code 165.....1893

NATURAL RESOURCES, DEPARTMENT OF

The Taking of Wild Turkeys – Spring Season

17 Ill. Adm. Code 710.....1898

POLLUTION CONTROL BOARD

Definitions and General Provisions

35 Ill. Adm. Code 211.....1913

Sewer Discharge Criteria

35 Ill. Adm. Code 307.....1936

Pretreatment Programs

35 Ill. Adm. Code 310.....1962

Primary Drinking Water Standards

35 Ill. Adm. Code 611.....1978

PUBLIC HEALTH, DEPARTMENT OF

Skilled Nursing and Intermediate Care Facilities Code

77 Ill. Adm. Code 300.....2298

Sheltered Care Facilities Code

77 Ill. Adm. Code 330.....2315

Illinois Veterans' Homes Code

77 Ill. Adm. Code 340.....2330

EMERGENCY RULES

COMMERCE COMMISSION, ILLINOIS

Utility Service of Military Personnel in Military Service 83 Ill. Adm. Code 281.....	2341
HEALTHCARE AND FAMILY SERVICES, DEPARTMENT OF Medical Payment (Effective Until June 30, 2013) 89 Ill. Adm. Code 140.....	2348
NOTICE OF WITHDRAWAL OF PROPOSED AMENDMENTS CENTRAL MANAGEMENT SERVICES, DEPARTMENT OF Day Care 89 Ill. Adm. Code 1300.....	2374
PUBLIC HEALTH, DEPARTMENT OF Asbestos Abatement for Public and Private Schools and Commercial and Public Buildings in Illinois 77 Ill. Adm. Code 855.....	2375
NOTICE OF PUBLIC HEARING ON PROPOSED RULES PUBLIC HEALTH, DEPARTMENT OF Private Sewage Disposal Code 77 Ill. Adm. Code 905.....	2377
SECOND NOTICES RECEIVED JOINT COMMITTEE ON ADMINISTRATIVE RULES Second Notices Received.....	2380

INTRODUCTION

The Illinois Register is the official state document for publishing public notice of rulemaking activity initiated by State governmental agencies. The table of contents is arranged categorically by rulemaking activity and alphabetically by agency within each category.

Rulemaking activity consists of proposed or adopted new rules; amendments to or repealers of existing rules; and rules promulgated by emergency or peremptory action. Executive Orders and Proclamations issued by the Governor; notices of public information required by State Statute; and activities (meeting agendas; Statements of Objection or Recommendation, etc.) of the Joint Committee on Administrative Rules (JCAR), a legislative oversight committee which monitors the rulemaking activities of State Agencies; is also published in the Register.

The Register is a weekly update of the Illinois Administrative Code (a compilation of the rules adopted by State agencies). The most recent edition of the Code, along with the Register, comprise the most current accounting of State agencies' rulemakings.

The Illinois Register is the property of the State of Illinois, granted by the authority of the Illinois Administrative Procedure Act [5 ILCS 100/1-1, et seq.].

ILLINOIS REGISTER PUBLICATION SCHEDULE FOR 2013

Issue#	Rules Due Date	Date of Issue
1	December 26, 2012	January 4, 2013
2	December 31, 2012	January 11, 2013
3	January 7, 2013	January 18, 2013
4	January 14, 2013	January 25, 2013
5	January 22, 2013	February 1, 2013
6	January 28, 2013	February 8, 2013
7	February 4, 2013	February 15, 2013
8	February 11, 2013	February 22, 2013
9	February 19, 2013	March 1, 2013
10	February 25, 2013	March 8, 2013
11	March 4, 2013	March 15, 2013
12	March 11, 2013	March 22, 2013
13	March 18, 2013	March 29, 2013
14	March 25, 2013	April 5, 2013
15	April 1, 2013	April 12, 2013
16	April 8, 2013	April 19, 2013
17	April 15, 2013	April 26, 2013
18	April 22, 2013	May 3, 2013
19	April 29, 2013	May 10, 2013
20	May 6, 2013	May 17, 2013

21	May 13, 2013	May 24, 2013
22	May 20, 2013	May 31, 2013
23	May 28, 2013	June 7, 2013
24	June 3, 2013	June 14, 2013
25	June 10, 2013	June 21, 2013
26	June 17, 2013	June 28, 2013
27	June 24, 2013	July 5, 2013
28	July 1, 2013	July 12, 2013
29	July 8, 2013	July 19, 2013
30	July 15, 2013	July 26, 2013
31	July 22, 2013	August 2, 2013
32	July 29, 2013	August 9, 2013
33	August 5, 2013	August 16, 2013
34	August 12, 2013	August 23, 2013
35	August 19, 2013	August 30, 2013
36	August 26, 2013	September 6, 2013
37	September 3, 2013	September 13, 2013
38	September 9, 2013	September 20, 2013
39	September 16, 2013	September 27, 2013
40	September 23, 2013	October 4, 2013
41	September 30, 2013	October 11, 2013
42	October 7, 2013	October 18, 2013
43	October 15, 2013	October 25, 2013
44	October 21, 2013	November 1, 2013
45	October 28, 2013	November 8, 2013
46	November 4, 2013	November 15, 2013
47	November 12, 2013	November 22, 2013
48	November 18, 2013	December 2, 2013
49	November 25, 2013	December 6, 2013
50	December 2, 2013	December 13, 2013
51	December 9, 2013	December 20, 2013
52	December 16, 2013	December 27, 2013

ILLINOIS COMMERCE COMMISSION

NOTICE OF PROPOSED RULES

- 1) Heading of the Part: Utility Service of Military Personnel in Military Service
- 2) Code Citation: 83 Ill. Adm. Code 281
- 3)

<u>Section Numbers</u> :	<u>Proposed Action</u> :
281.10	New Section
281.20	New Section
281.30	New Section
281.40	New Section
281.50	New Section
281.60	New Section
281.70	New Section
281.80	New Section
- 4) Statutory Authority: Implementing and authorized by Section 8-201.5 of the Public Utilities Act [220 ILCS 5/8-201.5]
- 5) A Complete Description of the Subjects and Issues Involved: This rulemaking will implement the statutory requirement to establish what documents or proof the service member must provide to the public utility to establish that the residential premises was the primary residence of the service member immediately before the service member entered military service; what constitutes hardship to the consumer as the term applies to military personnel returning from military service; and the mechanism or mechanisms by which a public utility that does not have in effect an automatic adjustment clause tariff shall recover the uncollectible costs it incurs in complying with the requirements.
- 6) Published studies or reports, and sources of underlying data, used to compose this rulemaking: None
- 7) Will this rulemaking replace any emergency rulemaking currently in effect? Yes
- 8) Does this rulemaking contain an automatic repeal date? No
- 9) Do this rulemaking contain incorporations by reference? No
- 10) Are there any other proposed amendments pending on this Part? No

ILLINOIS COMMERCE COMMISSION

NOTICE OF PROPOSED RULES

- 11) Statement of Statewide Policy Objectives: These proposed rules neither create nor expand any State mandate on units of local government, school districts, or community college districts.
- 12) Time, Place and Manner in which interested persons may comment on this proposed rulemaking: Comments should be filed, within 45 days after the date of this issue of the *Illinois Register* in Docket 13-0080, with:

Elizabeth Rolando, Chief Clerk
Illinois Commerce Commission
527 East Capitol Avenue
Springfield IL 62701

217/782-7434
- 13) Initial Regulatory Flexibility Analysis:
 - A) Types of small businesses, small municipalities and not for profit corporations affected: These rules will affect any subject jurisdictional entities that are also small businesses as defined in the Illinois Administrative Procedure Act. These amendments will not affect any small municipalities or not for profit corporations.
 - B) Reporting, bookkeeping or other procedures required for compliance: Filing procedures
 - C) Types of Professional skills necessary for compliance: Managerial skills
- 14) Regulatory Agenda on which this rulemaking was summarized: This rulemaking was not included on either of the 2 most recent regulatory agendas because the Commission did not anticipate the need for these rules at that time.

The full text of the Proposed Rules is identical to the text of the emergency rules which appear in this issue of the Register on page 2341.

ILLINOIS GAMING BOARD

NOTICE OF PROPOSED AMENDMENTS

- 1) Heading of the Part: Riverboat Gambling
- 2) Code Citation: 86 Ill. Adm. Code 3000
- 3)

<u>Section Numbers</u> : 3000.140 3000.614	<u>Proposed Action</u> : Amendment Amendment
--	--
- 4) Statutory Authority: Authorized by the Riverboat Gambling Act [230 ILCS 10], specifically Sections 5 (c) (2), (3), (5), (6), (7), (10), (13), (15), and (20) of this Act [230 ILCS 10/5 (c) (2), (3), (5), (6), (7), (10), (13), (15), and (20)]
- 5) A complete description of the subjects and issues involved: The rulemaking makes the following changes to the Part:

Licensees and applicants must promptly disclose changes of information pertaining to criminal arrests or criminal proceeding dispositions, and the Administrator may unilaterally impose fines for failure to make prompt disclosures: The current Section 3000.140 [86 Ill. Admin. Code 3000.140] provides that licensees and applicants for licenses have a continuing duty to promptly disclose any material changes in information provided to the Board and that the failure to do so may result in discipline up to and including revocation of a license. The Board has consistently used this Section to require the prompt disclosure of criminal arrests and criminal proceeding dispositions by licensees and applicants, and has issued fines for the failure to do so.

The proposed rulemaking adds a new subsection (c) to Section 140, authorizing the Administrator to impose a uniform schedule of fines when a licensee fails to disclose to the Board information regarding criminal arrests and/or dispositions, thereby eliminating the need to bring a separate Disciplinary Complaint to the Board every time a violation of this subsection occurs. Under the rules as presently written, only the Board, and not the Administrator, has authority to impose fines or other penalties for violations. The Board has power to make a delegation of disciplinary authority under subsection (20) of subsection (c) of Section 5 of the Riverboat Gambling Act [230 ILCS 10/5 (c) (20)].

The fines imposed by the Administrator under the new provision will be \$250 for a first violation, \$500 for a second violation, and an additional \$250 in the fine amount for each subsequent violation. This is the same fine schedule currently followed by the Board in these situations. The Administrator can impose the fines in conjunction with any additional or further disciplinary action imposed by the Board.

ILLINOIS GAMING BOARD

NOTICE OF PROPOSED AMENDMENTS

Payment of the fines shall be due within 21 days after service is complete, unless the licensee or applicant timely files an answer requiring the appointment of a hearing officer.

The enactment of this rule change will permit the Board to more effectively utilize its time by focusing on issues requiring greater discretion and deliberation. In light of the standard and uncomplicated nature of the violations covered by the present rulemaking, the Administrator can impose the provided fines with equal efficiency and fairness.

Advance testing: The rulemaking adds a new subsection (e) to Section 614, requiring the advance testing of any tournament, enhanced payout, or give-away for which eligibility or the amount of an award or prize is determined by an information system. The purpose of this requirement is to ensure the integrity of these promotions and tournaments.

- 6) Published studies and reports, and underlying sources of data, used to compose this rulemaking: None
- 7) Will this rulemaking replace any emergency amendment currently in effect? No
- 8) Does this rulemaking contain an automatic repeal date? No
- 9) Does this rulemaking contain incorporations by reference? No
- 10) Are there any other proposed rulemakings pending on this Part? No
- 11) Statement of Statewide Policy Objectives: This rulemaking does not create or expand a State mandate under the State Mandates Act [30 ILCS 805].
- 12) Time, place and manner in which interested persons may comment on this proposed rulemaking: Any interested person may submit comments in writing concerning this proposed rulemaking not later than 45 days after publication of this notice in the *Illinois Register* to:

Emily Mattison
Acting General Counsel
Illinois Gaming Board
160 North LaSalle Street
Chicago, Illinois 60601

312/814-4700
Fax No. 312/814-7253
emily.mattison@igb.illinois.gov

ILLINOIS GAMING BOARD

NOTICE OF PROPOSED AMENDMENTS

- 13) Initial Regulatory Flexibility Analysis:
- A) Types of small businesses, small municipalities and not for profit corporations affected: None
 - B) Reporting, bookkeeping or other procedures required for compliance: The proposed rulemaking will impose no additional requirements.
 - C) Types of Professional skills necessary for compliance: The proposed rulemaking will impose no additional requirements.
- 14) Regulatory agenda on which this rulemaking was summarized: The proposed amendment to 86 Ill. Admin. Code 3000.614 was summarized in the Board's January 2013 regulatory agenda. The proposed amendment to 3000 Ill. Admin. Code 3000.140 was not summarized in a regulatory agenda.

The full text of the Proposed Amendments begins on the next page.

ILLINOIS GAMING BOARD

NOTICE OF PROPOSED AMENDMENTS

TITLE 86: REVENUE
CHAPTER IV: ILLINOIS GAMING BOARDPART 3000
RIVERBOAT GAMBLING

SUBPART A: GENERAL PROVISIONS

Section	
3000.100	Definitions
3000.101	Invalidity
3000.102	Public Inquiries
3000.103	Organization of the Illinois Gaming Board
3000.104	Rulemaking Procedures
3000.105	Board Meetings
3000.110	Disciplinary Actions
3000.115	Records Retention
3000.120	Place to Submit Materials
3000.130	No Opinion or Approval of the Board
3000.140	Duty to Disclose Changes in Information
3000.141	Applicant/Licensee Disclosure of Agents
3000.150	Owner's and Supplier's Duty to Investigate
3000.155	Investigatory Proceedings
3000.160	Duty to Report Misconduct
3000.161	Communication with Other Agencies
3000.165	Participation in Games by Owners, Directors, Officers, Key Persons or Gaming Employees
3000.170	Fair Market Value of Contracts
3000.180	Weapons on Riverboat

SUBPART B: LICENSES

Section	
3000.200	Classification of Licenses
3000.210	Fees and Bonds
3000.220	Applications
3000.221	Other Required Forms
3000.222	Identification and Requirements of Key Persons
3000.223	Disclosure of Ownership and Control

ILLINOIS GAMING BOARD

NOTICE OF PROPOSED AMENDMENTS

3000.224	Economic Disassociation
3000.225	Business Entity and Personal Disclosure Filings
3000.230	Owner's Licenses
3000.231	Distributions
3000.232	Undue Economic Concentration
3000.234	Acquisition of Ownership Interest By Institutional Investors
3000.235	Transferability of Ownership Interest
3000.236	Owner's License Renewal
3000.237	Renewed Owner's Licenses, Term and Restrictions
3000.238	Appointment of Receiver for an Owner's License
3000.240	Supplier's Licenses
3000.241	Renewal of Supplier's License
3000.242	Amendment to Supplier's Product List
3000.243	Bankruptcy or Change in Ownership of Supplier
3000.244	Surrender of Supplier's License
3000.245	Occupational Licenses
3000.250	Transferability of Licenses
3000.260	Waiver of Requirements
3000.270	Certification and Registration of Electronic Gaming Devices
3000.271	Analysis of Questioned Electronic Gaming Devices
3000.272	Certification of Voucher Systems
3000.280	Registration of All Gaming Devices
3000.281	Transfer of Registration (Repealed)
3000.282	Seizure of Gaming Devices (Repealed)
3000.283	Analysis of Questioned Electronic Gaming Devices (Repealed)
3000.284	Disposal of Gaming Devices
3000.285	Certification and Registration of Voucher Validation Terminals

SUBPART C: OWNER'S INTERNAL CONTROL SYSTEM

Section	
3000.300	General Requirements – Internal Control System
3000.310	Approval of Internal Control System
3000.320	Minimum Standards for Internal Control Systems
3000.330	Review of Procedures (Repealed)
3000.340	Operating Procedures (Repealed)
3000.350	Modifications (Repealed)

SUBPART D: HEARINGS ON NOTICE OF DENIAL,

ILLINOIS GAMING BOARD

NOTICE OF PROPOSED AMENDMENTS

RESTRICTION OF LICENSE, PLACEMENT ON BOARD EXCLUSION LIST OR
REMOVAL FROM BOARD EXCLUSION LIST OR SELF-EXCLUSION LIST

Section	
3000.400	Coverage of Subpart
3000.405	Requests for Hearings
3000.410	Appearances
3000.415	Discovery
3000.420	Motions for Summary Judgment
3000.424	Subpoena of Witnesses
3000.425	Proceedings
3000.430	Evidence
3000.431	Prohibition on Ex Parte Communication
3000.435	Sanctions and Penalties
3000.440	Transmittal of Record and Recommendation to the Board
3000.445	Status of Applicant for Licensure or Transfer Upon Filing Request for Hearing

SUBPART E: CRUISING

Section	
3000.500	Riverboat Cruises
3000.510	Cancelled or Disrupted Cruises

SUBPART F: CONDUCT OF GAMING

Section	
3000.600	Wagering Only with Electronic Credits, Approved Chips, Tokens and Electronic Cards
3000.602	Disposition of Unauthorized Winnings
3000.605	Authorized Games
3000.606	Gaming Positions
3000.610	Publication of Rules and Payout Ratio for Live Gaming Devices
3000.614	Tournaments, Enhanced Payouts and Give-aways
3000.615	Payout Percentage for Electronic Gaming Devices
3000.616	Cashing-In
3000.620	Submission of Chips for Review and Approval
3000.625	Chip Specifications
3000.630	Primary, Secondary and Reserve Sets of Gaming Chips
3000.631	Tournament Chips

ILLINOIS GAMING BOARD

NOTICE OF PROPOSED AMENDMENTS

3000.635	Issuance and Use of Tokens for Gaming
3000.636	Distribution of Coupons for Complimentary Chips, Tokens, Vouchers, Cash and Electronic Credits
3000.640	Exchange of Chips, Tokens, and Vouchers
3000.645	Receipt of Gaming Chips or Tokens from Manufacturer or Distributor
3000.650	Inventory of Chips
3000.655	Destruction of Chips, Tokens, and Vouchers
3000.660	Minimum Standards for Electronic Gaming Devices
3000.661	Minimum Standards for Voucher Systems
3000.665	Integrity of Electronic Gaming Devices
3000.666	Bill Validator Requirements
3000.667	Integrity of Voucher Systems
3000.670	Computer Monitoring Requirements of Electronic Gaming Devices
3000.671	Computer Monitoring Requirements of Voucher Systems

SUBPART G: EXCLUSION OF PERSONS

Section	
3000.700	Organization of Subpart
3000.701	Duty to Exclude
3000.705	Voluntary Self-Exclusion Policy (Repealed)
3000.710	Distribution and Availability of Board Exclusion List
3000.720	Criteria for Exclusion or Ejection and Placement on the Board Exclusion List
3000.725	Duty of Licensees
3000.730	Procedure for Entry of Names
3000.740	Petition for Removal from the Board Exclusion List
3000.745	Voluntary Self-Exclusion Policy
3000.750	Establishment of a Self-Exclusion List
3000.751	Locations to Execute Self-Exclusion Forms
3000.755	Information Required for Placement on the Self-Exclusion List
3000.756	Stipulated Sanctions for Failure to Adhere to Voluntary Self-Exclusion
3000.760	Distribution and Availability of Confidential Self-Exclusion List
3000.770	Duties of Licensees
3000.780	Request for Removal from the IGB Self-Exclusion List
3000.782	Required Information, Recommendations, Forms and Interviews
3000.785	Appeal of a Notice of Denial of Removal
3000.786	Duties of Owner Licensees to Persons Removed from the Self-Exclusion List
3000.787	Placement on the Self-Exclusion List Following Removal
3000.790	Duties of the Board

ILLINOIS GAMING BOARD

NOTICE OF PROPOSED AMENDMENTS

SUBPART H: SURVEILLANCE AND SECURITY

Section	
3000.800	Required Surveillance Equipment
3000.810	Riverboat and Board Surveillance Room Requirements
3000.820	Segregated Telephone Communication
3000.830	Surveillance Logs
3000.840	Storage and Retrieval
3000.850	Dock Site Board Facility
3000.860	Maintenance and Testing

SUBPART I: LIQUOR LICENSES

Section	
3000.900	Liquor Control Commission
3000.910	Liquor Licenses
3000.920	Disciplinary Action
3000.930	Hours of Sale

SUBPART J: OWNERSHIP AND ACCOUNTING RECORDS AND PROCEDURES

Section	
3000.1000	Ownership Records
3000.1010	Accounting Records
3000.1020	Standard Financial and Statistical Records
3000.1030	Annual and Special Audits and Other Reporting Requirements
3000.1040	Accounting Controls Within the Cashier's Cage
3000.1050	Procedures for Exchange of Checks Submitted by Gaming Patrons and Granting Credit
3000.1060	Handling of Cash at Gaming Tables
3000.1070	Tips or Gratuities
3000.1071	Admission Tax and Wagering Tax
3000.1072	Cash Reserve Requirements

SUBPART K: SEIZURE AND DISCIPLINARY HEARINGS

Section	
3000.1100	Coverage of Subpart

ILLINOIS GAMING BOARD

NOTICE OF PROPOSED AMENDMENTS

3000.1105	Duty to Maintain Suitability
3000.1110	Board Action Against License or Licensee
3000.1115	Complaint
3000.1120	Appearances
3000.1125	Answer
3000.1126	Appointment of Hearing Officer
3000.1130	Discovery
3000.1135	Motions for Summary Disposition
3000.1139	Subpoena of Witnesses
3000.1140	Proceedings
3000.1145	Evidence
3000.1146	Prohibition of Ex Parte Communication
3000.1150	Sanctions and Penalties
3000.1155	Transmittal of Record and Recommendation to the Board

AUTHORITY: Implementing and authorized by the Riverboat Gambling Act [230 ILCS 10].

SOURCE: Emergency rule adopted at 15 Ill. Reg. 11252, effective August 5, 1991, for a maximum of 150 days; adopted at 15 Ill. Reg. 18263, effective December 10, 1991; amended at 16 Ill. Reg. 13310, effective August 17, 1992; amended at 17 Ill. Reg. 11510, effective July 9, 1993; amended at 20 Ill. Reg. 5814, effective April 9, 1996; amended at 20 Ill. Reg. 6280, effective April 22, 1996; emergency amendment at 20 Ill. Reg. 8051, effective June 3, 1996, for a maximum of 150 days; amended at 20 Ill. Reg. 14765, effective October 31, 1996; amended at 21 Ill. Reg. 4642, effective April 1, 1997; emergency amendment at 21 Ill. Reg. 14566, effective October 22, 1997, for a maximum of 150 days; emergency amendment at 22 Ill. Reg. 978, effective December 29, 1997, for a maximum of 150 days; amended at 22 Ill. Reg. 4390, effective February 20, 1998; amended at 22 Ill. Reg. 10449, effective May 27, 1998; amended at 22 Ill. Reg. 17324, effective September 21, 1998; amended at 22 Ill. Reg. 19541, effective October 23, 1998; emergency amendment at 23 Ill. Reg. 8191, effective July 2, 1999 for a maximum of 150 days; emergency expired November 28, 1999; amended at 23 Ill. Reg. 8996, effective August 2, 1999; amended at 24 Ill. Reg. 1037, effective January 10, 2000; amended at 25 Ill. Reg. 94, effective January 8, 2001; amended at 25 Ill. Reg. 13292, effective October 5, 2001; proposed amended at 26 Ill. Reg. 9307, effective June 14, 2002; emergency amendment adopted at 26 Ill. Reg. 10984, effective July 1, 2002, for a maximum of 150 days; adopted at 26 Ill. Reg. 15296, effective October 11, 2002; amended at 26 Ill. Reg. 17408, effective November 22, 2002; emergency amendment at 27 Ill. Reg. 10503, effective June 30, 2003, for a maximum of 150 days; amended at 27 Ill. Reg. 15793, effective September 25, 2003; amended at 27 Ill. Reg. 18595, effective November 25, 2003; amended at 28 Ill. Reg. 12824, effective August 31, 2004; amended at 31 Ill. Reg. 8098, effective June 14, 2007; amended at 32 Ill. Reg. 2967,

ILLINOIS GAMING BOARD

NOTICE OF PROPOSED AMENDMENTS

effective February 15, 2008; amended at 32 Ill. Reg. 3275, effective February 19, 2008; amended at 32 Ill. Reg. 7357, effective April 28, 2008; amended at 32 Ill. Reg. 8592, effective May 29, 2008; amended at 32 Ill. Reg. 8931, effective June 4, 2008; amended at 32 Ill. Reg. 13200, effective July 22, 2008; amended at 32 Ill. Reg. 17418, effective October 23, 2008; amended at 32 Ill. Reg. 17759, effective October 28, 2008; amended at 32 Ill. Reg. 17946, effective November 5, 2008; amended at 34 Ill. Reg. 3285, effective February 26, 2010; amended at 34 Ill. Reg. 3748, effective March 11, 2010; amended at 34 Ill. Reg. 4768, effective March 16, 2010; amended at 34 Ill. Reg. 5200, effective March 24, 2010; amended at 34 Ill. Reg. 15386, effective September 23, 2010; amended at 36 Ill. Reg. 13199, effective July 31, 2012; amended at 37 Ill. Reg. _____, effective _____.

SUBPART A: GENERAL PROVISIONS

Section 3000.140 Duty to Disclose Changes in Information

- a) Board licensees and applicants for licenses issued by the Board shall have a continuing duty to disclose promptly any material changes in information provided to the Board. The duty to disclose changes in information shall continue throughout any period of licensure granted by the Board. Board licensees or applicants for licenses must maintain current release of information forms as originally submitted to the Board.
- b) In addition to and without limiting disclosure of changes of information required under subsection (a), licensees and applicants for licensure shall periodically disclose changes in or new agreements, whether oral or written, relating to:
 - 1) Lobbying, legal services, financial consulting services, and management consulting services;
 - 2) Accounting, data processing and other financial and administrative services;
 - 3) Construction contracts;
 - 4) Installation, accounting or operation of Voucher Systems;
 - 5) Installation, accounting or operation of Computer Monitoring Systems;
 - 6) Agreements with or involving Key Persons and relatives of Key Persons;

ILLINOIS GAMING BOARD

NOTICE OF PROPOSED AMENDMENTS

- 7) Agreements to sell, grant, gift, pledge, hypothecate or otherwise transfer or share an ownership interest or interests in a holder of an Owner's License; and
- 8) Agreements to sell, grant, gift, pledge, hypothecate or otherwise transfer or share stock options, warrants, stock appreciation rights, or agreements in lieu thereof, relating to an ownership interest or interests or benefits of such ownership interest or interests in a holder of an Owner's License.

c) Updating Criminal History Information and Penalties

- 1) In addition to, and without limiting disclosure of, changes of information required under subsection (a), licensees and applicants for licensure shall periodically and promptly disclose changes relating to criminal arrest or criminal proceeding disposition history, whether charged or not charged, concerning any criminal offense under the laws of any jurisdiction or Uniform Code of Military Conduct, in any state or foreign country, including any arrest or disposition that has been expunged or sealed.
- 2) The Administrator may impose the following fines as disciplinary action for any violation of this subsection (c): \$250 for a first violation and \$500 for a second violation. For each subsequent violation, the fine imposed by the Administrator shall increase by \$250. These fines may be imposed in conjunction with additional or further disciplinary action taken against a licensee. Payment of the fine shall be due within 21 days after service is complete, unless the licensee timely files an answer requiring the appointment of a hearing officer.

d)e) The failure to meet the requirements of subsection (a), ~~or (b)~~ or (c) may result in discipline up to and including revocation of a license.

(Source: Amended at 37 Ill. Reg. _____, effective _____)

SUBPART F: CONDUCT OF GAMING

Section 3000.614 Tournaments, Enhanced Payouts and Give-aways

- a) For purposes of this Section, the following terms shall have the following

ILLINOIS GAMING BOARD

NOTICE OF PROPOSED AMENDMENTS

meanings:

- 1) **Enhanced Payout:** An event sponsored by a Riverboat Gaming Operation wherein Gaming patrons participate in a Game or an approved variation of a Game and thereby qualify for receiving, upon a specified outcome in such Game, a payment or thing of value in excess of payouts contained in the Internal Control System or as displayed on the Gaming Device. The cost of such excess payment or thing of value may be subtracted from Gross Receipts in determining Adjusted Gross Receipts.
 - 2) **Tournament:** A contest sponsored by a Riverboat Gaming Operation wherein patrons play or wager on a Game or Games and receive, separate from any applicable winnings from wagers, prizes that include the total of any entry fees to the contest and cash or non-cash prizes offered by the Riverboat Gaming Operation in conjunction with the contest. The cost of cash or non-cash prizes and entry fees for a Tournament may not be subtracted from Gross Receipts in determining Adjusted Gross Receipts.
 - 3) **Give-away:** A Game where patron entry to the Game is determined by attendance on a riverboat or the attainment of a certain outcome or an accumulation of points/credits on a Gaming Device. The cost of prizes paid in a Give-away may not be subtracted from Gross Receipts in Determining Adjusted Gross Receipts.
- b) Tournaments, Enhanced Payouts or Give-aways may only be conducted when:
- 1) Documented in the Internal Control System of the holder of an Owner's License;
 - 2) In conformance with the Act, this Part and the Internal Control System; and
 - 3) Approved by the Administrator.
- c) The Internal Control System provisions for the conduct of Tournaments, Enhanced Payouts or Give-aways involving Gaming shall be submitted by the holder of an Owner's License pursuant to Sections 3000.300 through 3000.320.
- d) Requests for the conduct of specific Tournaments, Enhanced Payouts and Give-

ILLINOIS GAMING BOARD

NOTICE OF PROPOSED AMENDMENTS

aways involving Gaming must be received in writing by the Administrator at least 14 days prior to the proposed date of implementation.

- e) Any Tournament, Enhanced Payout or Give-away for which eligibility or amount of any award or prize is determined by an information system shall be reasonably tested in advance to ensure the integrity of the Tournament, Enhanced Payout or Give-away.

(Source: Amended at 37 Ill. Reg. _____, effective _____)

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF PROPOSED AMENDMENTS

- 1) Heading of the Part: Emergency Medical Services and Trauma Center Code
- 2) Code Citation: 77 Ill. Adm. Code 515
- 3)

<u>Section Numbers:</u>	<u>Proposed Action:</u>
515.720	Repeal
515.725	Amend
- 4) Statutory Authority: Emergency Medical Services (EMS) Systems Act [210 ILCS 50]
- 5) A complete description of the subjects and issues involved: Sections 515.720 and 515.725 are being combined as there is no longer a need for a First Responder-AED. Current National Standards now require all First Responders/Medical Emergency Responders to have AED training. Section 515.720 will be repealed and 515.725 will be amended to keep current with national standards for the First Responder/Emergency Medical Responder.

The economic effect of this proposed rulemaking is unknown. Therefore, the Department requests any information that would assist in calculating this effect.

The Department anticipates adoption of this rulemaking approximately six to nine months after publication of the Notice in the *Illinois Register*.

- 6) Published studies or reports, and sources of underlying data, used to compose this rulemaking: First Responder National Standard Curriculum, United States Department of Transportation.
- 7) Will this rulemaking replace any emergency rulemaking currently in effect? No
- 8) Does this rulemaking contain an automatic repeal date? No
- 9) Does this rulemaking contain incorporations by reference? No
- 10) Are there any other proposed rulemakings pending on this Part? Yes

<u>Section Numbers:</u>	<u>Proposed Action:</u>	<u>Illinois Register Citation:</u>
515.715	New	36 Ill. Reg. 17778; December 21, 2012
515.830	Amend	36 Ill. Reg. 17778; December 21, 2012
515.100	Amend	37 Ill. Reg. 21; January 4, 2013

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF PROPOSED AMENDMENTS

515.180	New	37 Ill. Reg. 21; January 4, 2013
515.315	Amend	37 Ill. Reg. 21; January 4, 2013
515.330	Amend	37 Ill. Reg. 21; January 4, 2013
515.470	Amend	37 Ill. Reg. 21; January 4, 2013
515.530	Amend	37 Ill. Reg. 21; January 4, 2013

- 11) Statement of Statewide Policy Objectives: This rulemaking does not create or expand a State mandate.
- 12) Time, Place and Manner in which interested persons may comment on this proposed rulemaking: Interested persons may present their comments concerning this rulemaking within 45 days after the publication of this issue of the *Illinois Register* to:

Susan Meister
Division of Legal Services
Illinois Department of Public Health
535 W. Jefferson St., 5th floor
Springfield, Illinois 62761

217/782-2043
dph.rules@illinois.gov

- 13) Initial Regulatory Flexibility Analysis:
- A) Types of small businesses, small municipalities and not for profit corporations affected: None
- B) Reporting, bookkeeping or other procedures required for compliance: None
- C) Types of Professional skills necessary for compliance: First Responders/Emergency Medical Responders
- 14) Regulatory Agenda on which this rulemaking was summarized: January 2013

The full text of the Proposed Amendments begins on the next page:

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF PROPOSED AMENDMENTS

TITLE 77: PUBLIC HEALTH
CHAPTER I: DEPARTMENT OF PUBLIC HEALTH
SUBCHAPTER f: EMERGENCY SERVICES AND HIGHWAY SAFETY

PART 515
EMERGENCY MEDICAL SERVICES AND TRAUMA CENTER CODE

SUBPART A: GENERAL

Section	
515.100	Definitions
515.125	Incorporated and Referenced Materials
515.150	Waiver Provisions
515.160	Facility, System and Equipment Violations, Hearings and Fines
515.170	Employer Responsibility

SUBPART B: EMS REGIONS

Section	
515.200	Emergency Medical Services Regions
515.210	EMS Regional Plan Development
515.220	EMS Regional Plan Content
515.230	Resolution of Disputes Concerning the EMS Regional Plan
515.240	Bioterrorism Grants

SUBPART C: EMS SYSTEMS

Section	
515.300	Approval of New EMS Systems
515.310	Approval and Renewal of EMS Systems
515.315	Bypass Status Review
515.320	Scope of EMS Service
515.330	EMS System Program Plan
515.340	EMS Medical Director's Course
515.350	Data Collection and Submission
515.360	Approval of Additional Drugs and Equipment
515.370	Automated Defibrillation (Repealed)
515.380	Do Not Resuscitate (DNR) Policy
515.390	Minimum Standards for Continuing Operation
515.400	General Communications

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF PROPOSED AMENDMENTS

515.410	EMS System Communications
515.420	System Participation Suspensions
515.430	Suspension, Revocation and Denial of Licensure of EMTs
515.440	State Emergency Medical Services Disciplinary Review Board
515.445	Pediatric Care
515.450	Complaints
515.455	Intra- and Inter-system Dispute Resolution
515.460	Fees
515.470	Participation by Veterans Health Administration Facilities

SUBPART D: EMERGENCY MEDICAL TECHNICIANS

Section	
515.500	Emergency Medical Technician-Basic Training
515.510	Emergency Medical Technician-Intermediate Training
515.520	Emergency Medical Technician-Paramedic Training
515.530	EMT Testing
515.540	EMT Licensure
515.550	Scope of Practice – Licensed EMT
515.560	EMT-B Continuing Education
515.570	EMT-I Continuing Education
515.580	EMT-P Continuing Education
515.590	EMT License Renewals
515.600	EMT Inactive Status
515.610	EMT Reciprocity
515.620	Felony Convictions
515.630	Evaluation and Recognition of Military Experience and Education
515.640	Reinstatement

SUBPART E: EMS LEAD INSTRUCTOR, EMERGENCY MEDICAL DISPATCHER, FIRST RESPONDER, PRE-HOSPITAL REGISTERED NURSE, EMERGENCY COMMUNICATIONS REGISTERED NURSE, AND TRAUMA NURSE SPECIALIST

Section	
515.700	EMS Lead Instructor
515.710	Emergency Medical Dispatcher
515.720	First Responder (Repealed)
515.725	<u>First Responder/Emergency Medical Responder</u> First Responder —AED
515.730	Pre-Hospital Registered Nurse

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF PROPOSED AMENDMENTS

- 515.740 Emergency Communications Registered Nurse
- 515.750 Trauma Nurse Specialist
- 515.760 Trauma Nurse Specialist Program Plan

SUBPART F: VEHICLE SERVICE PROVIDERS

Section

- 515.800 Vehicle Service Provider Licensure
- 515.810 EMS Vehicle System Participation
- 515.820 Denial, Nonrenewal, Suspension and Revocation of a Vehicle Service Provider License
- 515.825 Alternate Response Vehicle
- 515.830 Ambulance Licensing Requirements
- 515.835 Stretcher Van Provider Licensing Requirements
- 515.840 Stretcher Van Requirements
- 515.845 Operation of Stretcher Vans
- 515.850 Reserve Ambulances
- 515.860 Critical Care Transport

SUBPART G: LICENSURE OF SPECIALIZED EMERGENCY
MEDICAL SERVICES VEHICLE (SEMSV) PROGRAMS

Section

- 515.900 Licensure of SEMSV Programs – General
- 515.910 Denial, Nonrenewal, Suspension or Revocation of SEMSV Licensure
- 515.920 SEMSV Program Licensure Requirements for All Vehicles
- 515.930 Helicopter and Fixed-Wing Aircraft Requirements
- 515.935 EMS Pilot Specifications
- 515.940 Aeromedical Crew Member Training Requirements
- 515.945 Aircraft Vehicle Specifications and Operation
- 515.950 Aircraft Medical Equipment and Drugs
- 515.955 Vehicle Maintenance for Helicopter and Fixed-wing Aircraft Programs
- 515.960 Aircraft Communications and Dispatch Center
- 515.965 Watercraft Requirements
- 515.970 Watercraft Vehicle Specifications and Operation
- 515.975 Watercraft Medical Equipment and Drugs
- 515.980 Watercraft Communications and Dispatch Center
- 515.985 Off-Road SEMSV Requirements
- 515.990 Off-Road Vehicle Specifications and Operation

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF PROPOSED AMENDMENTS

- 515.995 Off-Road Medical Equipment and Drugs
515.1000 Off-Road Communications and Dispatch Center

SUBPART H: TRAUMA CENTERS

Section

- 515.2000 Trauma Center Designation
515.2010 Denial of Application for Designation or Request for Renewal
515.2020 Inspection and Revocation of Designation
515.2030 Level I Trauma Center Designation Criteria
515.2035 Level I Pediatric Trauma Center
515.2040 Level II Trauma Center Designation Criteria
515.2045 Level II Pediatric Trauma Center
515.2050 Trauma Center Uniform Reporting Requirements
515.2060 Trauma Patient Evaluation and Transfer
515.2070 Trauma Center Designation Delegation to Local Health Departments
515.2080 Trauma Center Confidentiality and Immunity
515.2090 Trauma Center Fund
515.2100 Pediatric Care (Renumbered)
515.2200 Suspension Policy for Trauma Nurse Specialist Certification

SUBPART I: EMS ASSISTANCE FUND

Section

- 515.3000 EMS Assistance Fund Administration

SUBPART J: EMERGENCY MEDICAL SERVICES FOR CHILDREN

Section

- 515.3090 Pediatric Recognition of Hospital Emergency Departments and Inpatient Critical Care Services
515.4000 Facility Recognition Criteria for the Emergency Department Approved for Pediatrics (EDAP)
515.4010 Facility Recognition Criteria for the Standby Emergency Department Approved for Pediatrics (SEDP)
515.4020 Facility Recognition Criteria for the Pediatric Critical Care Center (PCCC)
515.APPENDIX A A Request for Designation (RFD) Trauma Center
515.APPENDIX B A Request for Renewal of Trauma Center Designation

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF PROPOSED AMENDMENTS

515.APPENDIX C	Minimum Trauma Field Triage Criteria
515.APPENDIX D	Standing Medical Orders
515.APPENDIX E	Minimum Prescribed Data Elements
515.APPENDIX F	Template for In-House Triage for Trauma Centers
515.APPENDIX G	Credentials of General/Trauma Surgeons Level I and Level II
515.APPENDIX H	Credentials of Emergency Department Physicians Level I and Level II
515.APPENDIX I	Credentials of General/Trauma Surgeons Level I and Level II Pediatric Trauma Centers
515.APPENDIX J	Credentials of Emergency Department Physicians Level I and Level II Pediatric Trauma Centers
515.APPENDIX K	Application for Facility Recognition for Emergency Department with Pediatrics Capabilities
515.APPENDIX L	Pediatric Equipment Recommendations for Emergency Departments
515.APPENDIX M	Inter-facility Pediatric Trauma and Critical Care Consultation and/or Transfer Guideline
515.APPENDIX N	Pediatric Critical Care Center (PCCC)/Emergency Department Approved for Pediatrics (EDAP) Recognition Application
515.APPENDIX O	Pediatric Critical Care Center Plan
515.APPENDIX P	Pediatric Critical Care Center (PCCC) Pediatric Equipment/Supplies/Medications Requirements

AUTHORITY: Implementing and authorized by the Emergency Medical Services (EMS) Systems Act [210 ILCS 50].

SOURCE: Emergency Rule adopted at 19 Ill. Reg. 13084, effective September 1, 1995 for a maximum of 150 days; emergency expired January 28, 1996; adopted at 20 Ill. Reg. 3203, effective February 9, 1996; emergency amendment at 21 Ill. Reg. 2437, effective January 31, 1997, for a maximum of 150 days; amended at 21 Ill. Reg. 5170, effective April 15, 1997; amended at 22 Ill. Reg. 11835, effective June 25, 1998; amended at 22 Ill. Reg. 16543, effective September 8, 1998; amended at 24 Ill. Reg. 8585, effective June 10, 2000; amended at 24 Ill. Reg. 9006, effective June 15, 2000; amended at 24 Ill. Reg. 19218, effective December 15, 2000; amended at 25 Ill. Reg. 16386, effective December 20, 2001; amended at 26 Ill. Reg. 18367, effective December 20, 2002; amended at 27 Ill. Reg. 1277, effective January 10, 2003; amended at 27 Ill. Reg. 6352, effective April 15, 2003; amended at 27 Ill. Reg. 7302, effective April 25, 2003; amended at 27 Ill. Reg. 13507, effective July 25, 2003; emergency amendment at 29 Ill. Reg. 12640, effective July 29, 2005, for a maximum of 150 days; emergency expired December 25, 2005; amended at 30 Ill. Reg. 8658, effective April 21, 2006; amended at 32 Ill. Reg. 16255, effective September 18, 2008; amended at 35 Ill. Reg. 6195, effective March 22, 2011; amended at 35 Ill. Reg. 15278, effective August 30, 2011; amended at 35 Ill. Reg. 16697, effective

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF PROPOSED AMENDMENTS

September 29, 2011; amended at 35 Ill. Reg. 18331, effective October 21, 2011; amended at 35 Ill. Reg. 20609, effective December 9, 2011; amended at 36 Ill. Reg. 880, effective January 6, 2012; amended at 36 Ill. Reg. 2296, effective January 25, 2012; amended at 36 Ill. Reg. 3208, effective February 15, 2012; amended at 36 Ill. Reg. 11196, effective July 3, 2012; amended at 36 Ill. Reg. 17490, effective December 3, 2012; amended at 37 Ill. Reg. _____, effective _____.

SUBPART E: EMS LEAD INSTRUCTOR, EMERGENCY MEDICAL DISPATCHER,
FIRST RESPONDER, PRE-HOSPITAL REGISTERED NURSE,
EMERGENCY COMMUNICATIONS REGISTERED NURSE, AND
TRAUMA NURSE SPECIALIST

Section 515.720 First Responder (Repealed)

- a) ~~An individual who acts as a First Responder as part of an EMS System's Program Plan must be registered with the Department by August 1, 2000.~~
- b) ~~To register as a First Responder, the individual must submit the following to the Department:
 - 1) ~~A completed First Responder registration form prescribed by the Department, which shall include, but not be limited to, the First Responder's name, address, EMS System in which he or she participates as a First Responder, and the employer and supervisor when the individual is acting as a First Responder. (Section 3-60(b)(3) of the Act)~~
 - 2) ~~Documentation of successful completion of training in accordance with the National Standard Curriculum for First Responders or its equivalent and training in cardiopulmonary resuscitation.~~
 - 3) ~~Verification that the equipment listed in subsection (d) of this Section will be immediately available to the individual when he or she is acting as a First Responder.~~~~
- e) ~~Persons who have already completed a course of instruction in emergency first response based on or equivalent to the national curriculum of the United States Department of Transportation, or who were previously recognized by the Department as a First Responder on July 19, 1995, shall be considered First Responders (Section 3.60(a) of the Act) by submitting to the Department by July~~

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF PROPOSED AMENDMENTS

~~1, 1997, a First Responder registration form and verification that the equipment listed in subsection (d) of this Section will be immediately available to the individual when he or she is acting as a First Responder.~~

- d) ~~As a minimum, when acting as a First Responder an individual shall have the following equipment immediately available:~~
- ~~1) triangular bandage;~~
 - ~~2) roller type bandage;~~
 - ~~3) universal dressing;~~
 - ~~4) gauze pad;~~
 - ~~5) occlusive dressing;~~
 - ~~6) bandage scissors;~~
 - ~~7) adhesive tape;~~
 - ~~8) stick (for impaled object/tourniquet);~~
 - ~~9) blanket;~~
 - ~~10) upper extremity splint;~~
 - ~~11) lower extremity splint (set);~~
 - ~~12) oxygen equipment and masks (adult and pediatric);~~
 - ~~13) a resuscitation device as specified by the EMS System;~~
 - ~~14) oropharyngeal airway (adult, child and infant);~~
 - ~~15) Face protection through any combination of masks, eye protection, and face shields; and~~
 - ~~16) Any additional materials as required by the EMS System.~~

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF PROPOSED AMENDMENTS

- e) ~~A First Responder shall notify the Department, in writing, within 10 days after any changes in:~~
- 1) ~~EMS System participation;~~
 - 2) ~~the First Responder's employer or supervisor; and~~
 - 3) ~~name or address.~~

(Source: Repealed at 37 Ill. Reg. _____, effective _____)

Section 515.725 First Responder/Emergency Medical Responder~~First Responder—AED~~

- a) A First Responder/Emergency Medical Responder training program shall be pre-approved by the Department and conducted only by an EMS System or a community college under the direction of the EMS System.
- b) Applications for approval of First Responder/Emergency Medical Responder training programs shall be filed with the Department on forms prescribed by the Department. The application shall contain, at a minimum, name of applicant, agency and address, type of training program, dates of training program, and names and signatures of the EMS Medical Director (EMS MD) and EMS System Coordinator.
- c) Applications for approval, including a copy of the class schedule and course syllabus, shall be submitted at least 60 days in advance of the first scheduled class.
- d) The EMS MD of the EMS system shall attest on the application form that the training program shall be conducted according to the National EMS Educational Curriculum. The First Responder or Emergency Medical Responder training program shall include all components of the National EMS Educational Curriculum. The course hours shall minimally include 40 hours of didactic education.
- e) The First Responder/Emergency Medical Responder training program shall designate an EMS Lead Instructor who shall be responsible for the overall

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF PROPOSED AMENDMENTS

management of the training program and shall be approved by the Department based on requirements of Section 515.700.

- f) The EMS MD shall electronically submit to the Department approval for licensure for a First Responder/Emergency Medical Responder candidate who is at least 18 years of age and has completed and passed all components of the training program, has passed the Final Examination, and has paid the appropriate initial licensure fee. The initial licensure fee may be waived pursuant to Section 515.460(c).
- g) All approved programs shall maintain class and student records for seven years, which shall be made available to the Department upon request.
- h) Continuing education classes, seminars, workshops, or other types of programs shall be approved by the Department before being offered to First Responder/Emergency Medical Responder candidates. An application for approval shall be submitted to the Department on a form prescribed, prepared and furnished by the Department at least 60 days prior to the scheduled event.
- i) Approval will be granted provided that the application is complete and the content of the program is based on topics or materials from the National EMS Educational Curriculum for the Emergency Medical Responder.
- j) A First Responder/Emergency Medical Responder shall be responsible for submitting written proof of continuing education attendance to the EMS System Coordinator or, for independent renewals, to the Department Regional EMS Coordinator. The EMS System Coordinator or Department Regional EMS Coordinator shall verify whether specific continuing education hours submitted by the First Responder/Emergency Medical Responder qualify for renewal.
- k) A First Responder/Emergency Medical Responder shall maintain copies of all documentation concerning continuing education programs that he or she has completed.
- l) A First Responder/Emergency Medical Responder license shall be valid for a period of four years. To be re-licensed as a First Responder/Emergency Medical Responder, the First Responder/Emergency Medical Responder shall submit an application for renewal with the Department, on a form prescribed by the Department, and the \$20 licensure renewal fee at least 30 days prior to the license

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF PROPOSED AMENDMENTS

expiration date. The renewal licensure fee may be waived pursuant to Section 515.460(c).

- 1) The submission of an electronic transaction by the EMS MD will satisfy the renewal application requirement for a First Responder/Emergency Medical Responder who has been recommended for re-licensure by the EMS MD.
 - 2) A First Responder/Emergency Medical Responder who has not been recommended for re-licensure by the EMS MD shall independently submit to the Department an application for renewal. The EMS MD shall provide the First Responder/Emergency Medical Responder with a copy of the application form.
- m) A written recommendation signed by the EMS MD shall be provided to the Department regarding completion of the following requirements:
- 1) 24 hours of continuing education every four years. The System shall define in the EMS Program Plan the number of continuing education hours to be accrued each year for re-licensure; and
 - 2) Current certification in CPR for Healthcare Providers in accordance with the standards of a nationally recognized organization such as the American Heart Association or American Red Cross, which includes both a didactic and clinical skills station.
- n) A First Responder/Emergency Medical Responder whose licensure has expired may, within 60 days after licensure expiration, submit all re-licensure material as required in this Part and a fee of \$50 in the form of a certified check or money order (cash or personal check will not be accepted). If all material is in compliance with this Section and there is no disciplinary action pending against the First Responder/Emergency Medical Responder, the Department will re-license the First Responder/Emergency Medical Responder.
- o) First Responders who are not affiliated with an EMS system shall have equipment immediately available to provide the standard of care established by the National EMS Educational Curriculum for the First Responder.
- a) *A person currently approved as a First Responder may utilize an automated*

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF PROPOSED AMENDMENTS

~~external defibrillator (AED) if the First Responder:~~

- ~~1) *Has successfully completed a Department approved course in automated external defibrillator operation; and*~~
- ~~2) *Is functioning within a Department approved EMS System providing first response services as verified by the EMSMD. (Section 3.55(a-5) of the Act)*~~
- b) ~~Continuing education classes, seminars, clinical time, workshops or other types of programs shall be approved by the Department before being offered to First Responder—AEDs. An application for approval shall be submitted to the Department on a form prescribed, prepared and furnished by the Department, at least 60 days prior to the scheduled event.~~
- e) ~~Approval will be granted provided the application is complete and the content of the program is based on topics or materials from the United States Department of Transportation National Standard Curriculum for EMT-Basic, Lesson 4-3, Cardiovascular Emergencies. Upon approval, the Department will issue a site code to the class, seminar, workshop or program.~~
- d) ~~A First Responder—AED shall be responsible for submitting written proof of continuing education attendance to the EMS System Coordinator or the Department Regional EMS Coordinator. The EMS System Coordinator or Department Regional EMS Coordinator shall be solely responsible for verifying whether specific continuing education hours have been earned by the First Responder—AED.~~
- e) ~~A First Responder—AED shall be responsible for maintaining copies of all documentation concerning continuing education programs that he or she has completed.~~
- f) ~~A First Respondent—AED registration shall be valid for a period of four years. To be re-registered as a First Responder—AED, the First Responder—AED shall file an application for renewal with the Department, on a form prescribed by the Department, at least 30 days prior to the license expiration date.~~
- 1) ~~The submission of a transaction card (Form No. IL-482-0837) by the EMS Medical Director will satisfy the renewal application requirement for a~~

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF PROPOSED AMENDMENTS

~~First Responder—AED who has been recommended for re-registration by the EMS Medical Director.~~

- 2) ~~A First Responder—AED who has not been recommended for re-registration by the EMS Medical Director must independently submit to the Department an application for renewal. The EMS Medical Director shall provide the First Responder—AED with a copy of the appropriate form to be completed.~~
- g) ~~A written recommendation signed by the EMSMD must be provided to the Department regarding completion of the following requirements:~~
 - 1) ~~Twenty-four hours of continuing education every four years. The System shall define in the EMS Program Plan the number of continuing education hours to be accrued each year for re-registration; and~~
 - 2) ~~A current CPR for Healthcare Providers card that covers:~~
 - A) ~~Adult one-rescuer CPR,~~
 - B) ~~Adult foreign body airway obstruction management,~~
 - C) ~~Pediatric one-rescuer CPR,~~
 - D) ~~Pediatric foreign body airway obstruction management,~~
 - E) ~~Adult two-rescuer CPR, and~~
 - F) ~~AED.~~
- h) ~~At any time prior to the expiration of the current registration, a First Responder—AED may revert to First Responder status for the remainder of the registration period. The First Responder must make this request in writing to the Department. To re-register at the First Responder—AED level, the individual must meet the First Responder—AED requirements for re-registration.~~
- i) ~~A First Responder—AED who has reverted to First Responder status may be subsequently re-registered as a First Responder—AED, upon the recommendation~~

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF PROPOSED AMENDMENTS

~~of an EMS Medical Director who has verified that the individual's knowledge and clinical skills are at an active First Responder—AED level, and that the individual has completed any retraining, education or testing deemed necessary by the EMSMD for resuming First Responder—AED activities.~~

- j) ~~Any First Responder—AED whose registration has expired for a period of more than 60 days shall be required to reapply for registration, complete the training program and pass the test.~~
- k) ~~A First Responder—AED whose registration has expired may, within 60 days after registration expiration, submit all re-registration material as required in this Part and a fee of \$50 in the form of a certified check or money order (cash or personal check will not be accepted). If all material is in order and there is no disciplinary action pending against the First Responder—AED, the Department will re-register the First Responder—AED.~~

(Source: Amended at 37 Ill. Reg. _____, effective _____)

DEPARTMENT OF HUMAN SERVICES

NOTICE OF ADOPTED AMENDMENTS

- 1) Heading of the Part: General Administrative Provisions
- 2) Code Citation: 89 Ill. Adm. Code 10
- 3)

<u>Section Numbers:</u>	<u>Adopted Action:</u>
10.120	Amendment
10.130	Amendment
10.140	Amendment
10.430	Amendment
10.438	Repeal
- 4) Statutory Authority: Implementing Articles I through IX and authorized by Section 12-13 of the Illinois Public Aid Code [305 ILCS 5/Arts. I through IX and 12-13] and PA 97-689
- 5) Effective Date of Rulemaking: February 4, 2013
- 6) Does this rulemaking contain an automatic repeal date? No
- 7) Does this rulemaking contain incorporations by reference? No
- 8) A copy of the adopted amendments, including any material incorporated, is on file in the agency's principal office and is available for public inspection.
- 9) Notice of Proposal published in the *Illinois Register*: July 13, 2012; 36 Ill. Reg. 9892
- 10) Has JCAR issued a Statement of Objection to this Rulemaking? No
- 11) Differences between Proposal and Final Version: Various non-substantive changes were made since First Notice to Sections 10.120, 10.130 and 10.140.
- 12) Have all changes agreed upon by the agency and JCAR been made as indicated in the agreements issued by JCAR? Yes
- 13) Will this rulemaking replace any emergency rulemaking currently in effect? Yes
- 14) Are there any proposed rulemakings pending on this Part? Yes

Section Numbers: Proposed Action: Illinois Register Citation:

DEPARTMENT OF HUMAN SERVICES

NOTICE OF ADOPTED AMENDMENTS

10.420	Amendment	36 Ill. Reg. 10582; July 20, 2012
10.430	Amendment	36 Ill. Reg. 10582; July 20, 2012

- 15) Summary and Purpose of Amendments: Public Act 97-689 eliminates all State funded General Assistance and related medical benefits effective July 1, 2012. Pursuant to the provisions of PA 97-689, this rulemaking makes changes to 89 Ill. Adm. Code 10 that are necessary due to the elimination of the State funded General Assistance program. Companion amendments are also being adopted in 89 Ill. Adm. Code 114, 89 Ill. Adm. Code 117 and 89 Ill. Adm. Code 165.
- 16) Information and questions regarding these adopted amendments shall be directed to:
- Tracie Drew, Chief
Bureau of Administrative Rules and Procedures
Department of Human Services
100 South Grand Avenue East
Harris Building, 3rd Floor
Springfield, Illinois 62762
- 217/785-9772
- 17) Do these amendments require the preview of the Procurement Policy Board as specified in Section 5-25 of the Illinois Procurement Code? No

The full text of the Adopted Amendments begins on the next page:

DEPARTMENT OF HUMAN SERVICES

NOTICE OF ADOPTED AMENDMENTS

TITLE 89: SOCIAL SERVICES
CHAPTER IV: DEPARTMENT OF HUMAN SERVICES
SUBCHAPTER a: GENERAL PROGRAM PROVISIONS

PART 10
GENERAL ADMINISTRATIVE PROVISIONS

SUBPART A: APPLICABILITY AND DEFINITIONS

Section	
10.101	Incorporation by Reference
10.110	Applicability
10.120	Definitions
10.130	Assistance Programs
10.140	Assistance Program Restrictions

SUBPART B: RIGHTS AND RESPONSIBILITIES

Section	
10.210	Rights of Clients
10.220	Nondiscrimination
10.225	Grievance Rights of Clients
10.230	Confidentiality of Case Information
10.235	Case Records
10.250	Reporting Change of Circumstances
10.263	Reporting Child Abuse/Neglect
10.268	Reporting Elder Abuse/Neglect
10.270	Notice to Client
10.280	Right to Appeal
10.281	Continuation of Assistance Pending Appeal
10.282	Time Limit for Filing an Appeal
10.283	Examining Department Records
10.284	Child Care
10.290	Voluntary Repayment of Assistance
10.295	Correction of Underpayments
10.300	Recovery of Assistance
10.310	Estate Claims
10.320	Real Property Liens
10.330	Filing and Renewal of Liens

DEPARTMENT OF HUMAN SERVICES

NOTICE OF ADOPTED AMENDMENTS

10.340	Foreclosure of Liens
10.350	Release of Liens
10.360	Personal Injury Claims
10.370	Convictions of Fraud – Eligibility
10.380	Single Conviction of Fraud – Administrative Review Board
10.390	Request for Case Transfer

SUBPART C: APPLICATION PROCESS

Section	
10.410	Application for Assistance
10.415	Local Office Action on Application for Public Assistance
10.420	Time Limitations on the Disposition of an Application
10.430	Approval of an Application and Initial Authorization of Financial Assistance
10.438	General Assistance Approval Provisions (Repealed)
10.440	Denial of an Application

AUTHORITY: Implementing Articles I through IX and authorized by Section 12-13 of the Illinois Public Aid Code [305 ILCS 5/Arts. I through IX and 12-13].

SOURCE: Emergency rules adopted at 21 Ill. Reg. 9515, effective July 1, 1997, for a maximum of 150 days; adopted at 21 Ill. Reg. 15515, effective November 26, 1997; amended at 22 Ill. Reg. 19816, effective November 1, 1998; amended at 23 Ill. Reg. 6944, effective June 1, 1999; amended at 24 Ill. Reg. 7856, effective May 16, 2000; amended at 24 Ill. Reg. 18153, effective November 30, 2000; amended at 25 Ill. Reg. 7170, effective May 24, 2001; amended at 28 Ill. Reg. 1083, effective December 31, 2003; amended at 28 Ill. Reg. 5650, effective March 22, 2004; amended at 29 Ill. Reg. 8148, effective May 18, 2005; amended at 31 Ill. Reg. 6962, effective April 30, 2007; amended at 31 Ill. Reg. 7638, effective May 15, 2007; amended at 32 Ill. Reg. 4375, effective March 12, 2008; amended at 33 Ill. Reg. 16814, effective November 30, 2009; amended at 33 Ill. Reg. 17345, effective December 14, 2009; amended at 34 Ill. Reg. 10079, effective July 1, 2010; amended at 35 Ill. Reg. 7670, effective April 29, 2011; emergency amendment at 36 Ill. Reg. 10421, effective July 1, 2012 until June 30, 2013; emergency amendment at 36 Ill. Reg. 11486, effective July 1, 2012, for a maximum of 150 days; emergency expired November 27, 2013; amended at 37 Ill. Reg. 1865, effective February 4, 2013.

SUBPART A: APPLICABILITY AND DEFINITIONS

Section 10.120 Definitions

"AABD" or "Aid to the Aged, Blind or Disabled" – Financial assistance and

DEPARTMENT OF HUMAN SERVICES

NOTICE OF ADOPTED AMENDMENTS

medical assistance available to individuals who have been determined to be aged, blind or disabled as defined by the Social Security Administration.

"Adequate Consideration" – The receipt of goods, monies or services at least in the amount of the fair market value of the property sold.

"Adult Cases" – A case in which no child is included in the assistance unit.

"Adverse Action" – Any action that reduces SNAP benefits or terminates participation in SNAP within a certification period.

~~"AFDC-F" – Medical Assistance for an eligible child under DCFS guardianship.~~

"Agency Error" – An action or inaction of the Department resulting in assistance benefits being furnished to or in behalf of a client for which the client is not eligible.

"Applicant" – An individual requesting assistance by completion of a signed, written application form or a person in whose behalf a signed written application form requesting assistance is completed.

"Application" – A request for assistance by means of a completed, signed designated form. For SNAP purposes, only a name, address and signature are needed on the form.

"Assistance Unit" – The individual or individuals living together for whom the Department determines eligibility and, if eligible, provides financial and/or medical assistance as one unit.

"Beneficiary" – Any person nominated in a will to receive an interest in property other than in a fiduciary capacity.

"Caretaker Relative" or "Specified Relative" – A relative, as specified in this definition, with whom a child must live to be eligible for TANF and who is providing care, supervision and a home for the child.

Blood or adoptive relatives within the fifth degree of kinship:

Father – Mother

DEPARTMENT OF HUMAN SERVICES

NOTICE OF ADOPTED AMENDMENTS

Brother – Sister

Grandmother – Grandfather (including up to great-great-great)

Uncle – Aunt (including up to great-great)

Nephew – Niece (including up to great-great)

First Cousin

First Cousin once removed (child of first cousin)

Second Cousin (child of great-aunt/uncle)

Step-Relatives:

Step-Father – Step-Mother

Step-Brother – Step-Sister

Person who is or has been married to one of the above relatives.

"Categorical Assistance Programs" – TANF, AABD and related MANG programs.

"Categorically Eligible" – The meeting of all eligibility requirements for a categorical assistance program other than financial need.

"Certification for SNAP" – Authorization of eligibility of a household for SNAP.

"Certification Period" – The period of time for which a household is authorized to participate in SNAP.

"Certifying Office" – The DHS local office or General Assistance unit office responsible for certification of SNAP participants.

"Child and Family Assistance Case" – A General Assistance case in which case eligibility is based on pregnancy or the presence of an eligible child.

DEPARTMENT OF HUMAN SERVICES

NOTICE OF ADOPTED AMENDMENTS

"Client" – The adult in the family or unit applying for assistance or receiving assistance on behalf of the family.

"Client Error" – A client's mistake, misunderstanding, misrepresentation or concealment of information or failure to report information promptly that results in financial and/or medical assistance being paid to or in behalf of a recipient for which the recipient is not eligible.

"Correspondent" – A specific individual who has been legally designated to handle the affairs of another individual, that is, parents, court-appointed guardian or conservator.

"DCFS" – Illinois Department of Children and Family Services.

"Department" – The Illinois Department of Human Services.

"Dependent Child" – A child age 18 or under who is living with a relative. If age 18, the child must be a full-time high school (or equivalent) student.

"Disbursing Order" – An invoice voucher form given to a client authorizing a vendor to provide specified goods and/or services.

"Disposition of an Application" – The determination of eligibility or ineligibility.

"Diverted Income" – Earned or unearned income of a parent used to meet the needs of ineligible person or persons, including the parent, their dependent child or children or their spouse.

"DOC" – Illinois Department of Corrections.

"DOL" – Illinois Department of Labor.

"Earmarked Income" – Income restricted for the use of an individual by court order or by legal stipulation of a contributor. Only income of a child may be considered earmarked for Departmental purposes. The income of an eligible child who has siblings in the home receiving TANF financial assistance cannot be earmarked.

DEPARTMENT OF HUMAN SERVICES

NOTICE OF ADOPTED AMENDMENTS

"Earned Income" – Pay derived through the receipt of wages or salary for services performed as an employee or profits from activity in which the individual is self-employed.

"Effective Date" – The date for which case action is authorized.

"Enrolled MANG Participant" – Person or unit meeting the nonfinancial factors of eligibility.

"Established 12-Month Period" – The period of 12 calendar months over which income is compared to the applicable MANG standard.

"Estate" – All real and personal property within an individual's estate as provided in Illinois probate law. For a decedent who received benefits under a long term care insurance policy in connection with which assets were disregarded, the term "estate" includes all real and personal property in which the individual had legal title or interest at the time of death (to the extent of such interest), including assets conveyed to a survivor, heir or assignee of the deceased person through joint tenancy, tenancy in common, survivorship, life estate, living trust or other arrangement.

"Expedited Issuance" – Authorization of SNAP benefits after the household has been determined to be destitute or to have zero net income.

"Expedited Service" – An immediate processing of a SNAP application and determination of eligibility for expedited issuance.

"Final Administrative Decision" – A decision made by the Department as a result of an appeal. It either upholds or reverses the appealed action or determines a lack of jurisdiction.

"Financial Assistance" – Public assistance paid in the form of a cash benefit to a recipient for income maintenance needs. Medical assistance and SNAP benefits are not considered financial assistance.

"Financial Factors of Eligibility" – Income, assets and Department levels of assistance.

"Financially Eligible" – The meeting of all financial factors of eligibility.

DEPARTMENT OF HUMAN SERVICES

NOTICE OF ADOPTED AMENDMENTS

"Fiscal Month" – Begins on a given day in one calendar month and ends on the day prior to the same given day in the next calendar month.

"FNS" – The Food and Nutrition Service of the United States Department of Agriculture.

"Full-Time Employment" – Employment of 30 hours per week or more.

"GA" or "General Assistance" – Financial and medical assistance available to eligible needy families or individuals who are ineligible to receive assistance through a categorical assistance program. [All State funded General Assistance and related medical benefits were eliminated effective July 1, 2012.](#)

~~"GA Community Work and Training Program" – A program, applicable to GA outside the City of Chicago only, designed to increase employability of General Assistance recipients through constructive work experience, adult education, vocational training and gainful employment.~~

"Grant" – The total amount of a monthly financial assistance payment.

"Grant Cases" – Public assistance cases authorized for financial assistance payments to the recipient.

"Head of Household" – The person in whose name application is made for participation in SNAP. This person is normally the individual who is the household's primary source of income.

"Hearing" – The actual presentation and consideration of the issue under appeal before a hearing officer of the Department.

"Heir" – Any person entitled under the statutes to an interest in property of a decedent.

"HFS" – Illinois Department of Healthcare and Family Services, formerly known as the Illinois Department of Public Aid (DPA).

"Initial Prorated Entitlement" or "IPE" – Financial assistance to cover the period from the initial point of eligibility (application for assistance or initial needs of a

DEPARTMENT OF HUMAN SERVICES

NOTICE OF ADOPTED AMENDMENTS

person being added to the assistance unit) through two days after the mailing date of the first regular monthly assistance warrant.

"In-Kind Income" – Income received by or paid in behalf of an individual in a form other than money.

"Interim Assistance" – Assistance furnished to or in behalf of an individual financed totally from State and/or local funds for basic maintenance needs and furnished during the period beginning with the month in which the individual filed an application for Supplemental Security Income (SSI) and for which the individual was found eligible.

"Local Governmental Unit" – Every county, city, village, incorporated town or township charged with the duty of providing public aid under General Assistance and County Veterans Assistance Commissions providing assistance to indigent war veterans and their families.

"Local Office" – Department of Human Services-Division of Human Capital Development office that serves clients.

"Lump-Sum Payment" – An extraordinary or non-recurring income payment received by a client.

"MAG" or "Medical Assistance Grant" – Medical assistance paid on behalf of a recipient of financial assistance.

"MANG" or "Medical Assistance No Grant" – Medical assistance paid on behalf of a recipient of categorical assistance who is not receiving financial assistance.

"MANG(AABD)" – Medical assistance available to individuals who have sufficient income and assets to meet all maintenance needs other than medical care and who are receiving Supplemental Security Income benefits or who are determined to be aged, blind or disabled by the Department of Human Services.

"MANG(C)" – Medical Assistance to Needy Families with Children, which is available to families with one or more children who would qualify for TANF on the basis of non-financial eligibility factors but have sufficient income and assets to meet all maintenance needs other than medical care.

DEPARTMENT OF HUMAN SERVICES

NOTICE OF ADOPTED AMENDMENTS

"Medicaid" – Medical assistance issued by the Department under provisions of Title XIX of the Social Security Act (42 USC 1396); MAG and MANG.

"Medical Assistance" – Medicaid.

"MediPlan Card" – A document that identifies individuals for whom HFS will pay for essential medical services and supplies.

"Migrant Worker" – Any person residing temporarily in and employed in Illinois who moves seasonally from one place to another for the purpose of employment in agricultural activities, including the planting, raising or harvesting of any agricultural or horticultural commodities and the handling, packing or processing of those commodities on the farm where produced or at the point of first processing.

"OASDI" or "Old Age, Survivors, and Disability Insurance" – Often termed "Social Security".

"OJT" – On-the-job training programs sponsored through the TANF Program, Supplemental Nutrition Assistance Employment and Training Program or WIA.

"Participant" – A person taking part in SNAP or a Departmental employment and training program.

"Recipient" – An individual who receives benefits under an assistance program.

"SNAP" – Supplemental Nutrition Assistance Program, formerly known as the Food Stamp Program. A food and nutrition supplement program available to individuals and families.

"SNAP Benefits" – The cash value of benefits that a SNAP unit receives from the program.

"SNAP Household" or "SNAP Unit" – For purposes of SNAP, a household or unit is defined as any of the following:

An individual living alone;

An individual living with others, who customarily purchases food and

DEPARTMENT OF HUMAN SERVICES

NOTICE OF ADOPTED AMENDMENTS

prepares meals for home consumption separate and apart from others;

A group of individuals who live together and customarily purchase food and prepare meals together for home consumption or who, because of their relationship, are required to qualify for SNAP as a unit.

"Specified Relative" – Same as caretaker relative.

"Spenddown" – The amount by which a client's nonexempt income during the eligibility period exceeds the MANG income and asset standards.

"SSA" – The Social Security Administration ~~of the Department of Health and Human Services~~.

"SSI" or "Supplemental Security Income" – A program administered by the Social Security Administration providing monthly aid to aged, blind and disabled individuals.

"Student" – An individual who is enrolled at least half time (as defined by the institution) in any elementary/middle school, high school, vocational school, technical school, training program or institution of higher education. Enrollment in a mail, self-study or correspondence course does not meet the definition of a student.

"Supervision" – Exercising of responsibility for the child's welfare by the caretaker.

"Supplemental Nutrition Assistance Employment and Training Program" – Employment and training program for SNAP recipients.

"TANF" or "Temporary Assistance for Needy Families" – Financial and medical assistance available to families with one or more dependent children.

"Temporary Caretaker" – Another individual temporarily acting as a caretaker (not included in the assistance unit) when no caretaker relative is available.

"UI" – Unemployment Insurance Benefits.

"Unearned Income" – All income other than earned income.

DEPARTMENT OF HUMAN SERVICES

NOTICE OF ADOPTED AMENDMENTS

"Vendor Payment" – Direct payment to vendors for items or services provided to clients.

"WIA" – The federal Workforce Investment Act (29 USC 2801 et seq.).

"Work Experience" – A Department program that provides experience in a job.

(Source: Amended at 37 Ill. Reg. 1865, effective February 4, 2013)

Section 10.130 Assistance Programs

- a) The types of assistance programs administered by the Illinois Department of Human Services include: financial assistance and SNAP benefits~~food-stamps~~.
- b) Financial Assistance Programs – consists primarily of direct cash payments to recipients. The various financial assistance programs are:
 - 1) Aid to the Aged, Blind or Disabled – State Supplemental Payment for aged, blind or disabled persons.
 - 2) Temporary Assistance for Needy Families for families with one or more children.
 - 3) Refugee Resettlement Program (RRP) for refugees from any country.
 - 4) Repatriate Program for United States citizens and their dependents returned from a foreign country by the U.S. Department of State.
 - 5) ~~General Assistance for individuals and families who do not qualify for assistance under the Aid to the Aged, Blind or Disabled (AABD) State Supplemental Payment (SSP), Temporary Assistance for Needy Families (TANF) or federal Supplemental Security Income (SSI) programs and who meet GA program requirements. Medical assistance is also provided under GA.~~
- c) SNAP Benefits~~Food Stamps~~ – provides increased food purchasing benefits to recipients. SNAP~~Food-stamp~~ benefits are available to individuals who meet the eligibility requirements of the Food and Nutrition Service of the U.S. Department

DEPARTMENT OF HUMAN SERVICES

NOTICE OF ADOPTED AMENDMENTS

of Agriculture in accordance with the Food ~~and Nutrition Stamp~~ Act of ~~2008~~1977
(7 ~~USC 2013~~~~U.S.C. 2017~~ et seq.).

(Source: Amended at 37 Ill. Reg. 1865, effective February 4, 2013)

Section 10.140 Assistance Program Restrictions

- a) An individual shall be eligible to receive financial assistance under only one of the following types of assistance programs at any one time:
- 1) Categorical Assistance (TANF or AABD), ~~or~~
 - 2) ~~General Assistance, or~~
 - 3) Assistance to Refugees, Entrants and Repatriates.
- b) An individual shall be eligible to receive financial and medical assistance in only one case under one assistance program, at any one time, ~~except:~~
- 1) ~~an~~An individual who currently receives Categorical Assistance from another state and has established Illinois residence (in accordance with 89 Ill. Adm. Code 112.20, 113.20, 114.20, 120.211, 120.311, or 121.21) may receive Supplemental Categorical Assistance in Illinois when the amount of the Illinois assistance payment level to which the individual is entitled exceeds the amount received from the other state, if the excess is at least \$10.
 - 2) ~~An individual who is currently receiving General Assistance shall be eligible to receive GA during the pendency of an application for Categorical Assistance or to receive the difference between the amount of the GA grant and the amount of the Categorical Grant for the month in which the individual is determined eligible for Categorical Assistance.~~
- c) An individual shall not be eligible to receive ~~SNAP benefits~~food stamps as a member of more than one household at any one time.

(Source: Amended at 36 Ill. Reg. 1865, effective February 4, 2013)

SUBPART C: APPLICATION PROCESS

DEPARTMENT OF HUMAN SERVICES

NOTICE OF ADOPTED AMENDMENTS

Section 10.430 Approval of an Application and Initial Authorization of Financial Assistance

- a) Financial assistance (for Aid to the Aged, Blind or Disabled ~~and General Assistance~~) shall be authorized effective 30 days after the date of application, provided the case is eligible on that date.
Exception: Financial assistance for an AABD ~~or General Assistance~~ client residing in a sheltered care facility shall be authorized effective the date of application, or the date of entry into the sheltered care facility, whichever is later.
- b) Financial assistance for the Temporary Assistance for Needy Families program shall be authorized effective the date of application, provided the case is eligible on that date.
- c) ~~Financial assistance for General Assistance shall be authorized effective: 1) Thirty days following the date of application. 2) If General Assistance (GA) is approved as a result of termination of Temporary Assistance for Needy Families (TANF) or Aid to the Aged, Blind or Disabled (AABD) assistance or deletion (TANF only) for certain non-financial reasons (see Section 10.270(f)), assistance shall be authorized with no gap if an application is filed within 30 days after the notice of termination of TANF or AABD or deletion (TANF only) (see also Section 10.270). 3) If the applicant is determined eligible for financial assistance, the notice (see Section 10.420) shall state the amount of financial assistance to be provided, and a statement of the reasons for any partial grant amounts. Partial grant amount is defined as the maximum grant that a family unit for whom application for public assistance was filed is eligible to receive, less any reductions resulting from the consideration.~~

(Source: Amended at 37 Ill. Reg. 1865, effective February 4, 2013)

Section 10.438 General Assistance Approval Provisions (Repealed)

~~Temporary assistance shall be authorized in General Assistance cases in which it is verified that an applicant meets all eligibility criteria other than the requirement of citizenship/alienage status and such verification is expected to be received but to take a length of time that would cause undue hardship to the applicant, such that he would be unable to meet his basic maintenance needs of food, shelter and other necessities and the applicant has submitted verification that the required documents have been requested.~~

DEPARTMENT OF HUMAN SERVICES

NOTICE OF ADOPTED AMENDMENTS

|
(Source: Repealed at 37 Ill. Reg. 1865, effective February 4, 2013)

DEPARTMENT OF HUMAN SERVICES

NOTICE OF ADOPTED REPEALER

- 1) Heading of the Part: General Assistance
- 2) Code Citation: 89 Ill. Adm. Code 114
- 3)

<u>Section Numbers</u> :	<u>Adopted Action</u> :
114.1	Repeal
114.2	Repeal
114.3	Repeal
114.5	Repeal
114.9	Repeal
114.10	Repeal
114.20	Repeal
114.30	Repeal
114.40	Repeal
114.50	Repeal
114.52	Repeal
114.60	Repeal
114.61	Repeal
114.62	Repeal
114.63	Repeal
114.64	Repeal
114.70	Repeal
114.80	Repeal
114.85	Repeal
114.101	Repeal
114.120	Repeal
114.200	Repeal
114.201	Repeal
114.202	Repeal
114.203	Repeal
114.204	Repeal
114.210	Repeal
114.221	Repeal
114.222	Repeal
114.223	Repeal
114.224	Repeal
114.225	Repeal
114.226	Repeal
114.227	Repeal

DEPARTMENT OF HUMAN SERVICES

NOTICE OF ADOPTED REPEALER

114.228	Repeal
114.229	Repeal
114.230	Repeal
114.235	Repeal
114.241	Repeal
114.242	Repeal
114.243	Repeal
114.244	Repeal
114.245	Repeal
114.246	Repeal
114.247	Repeal
114.250	Repeal
114.251	Repeal
114.252	Repeal
114.280	Repeal
114.350	Repeal
114.351	Repeal
114.352	Repeal
114.353	Repeal
114.400	Repeal
114.401	Repeal
114.403	Repeal
114.404	Repeal
114.405	Repeal
114.408	Repeal
114.420	Repeal
114.430	Repeal
114.440	Repeal
114.442	Repeal

- 4) Statutory Authority: Implementing Article VI and authorized by Section 12-13 of the Illinois Public Aid Code [305 ILCS 5/Art. VI and 12-13] and P. A. 97-689
- 5) Effective Date of Repealer: February 4, 2013
- 6) Does this repealer contain an automatic repeal date? No
- 7) Does this repealer contain incorporation by reference? No

DEPARTMENT OF HUMAN SERVICES

NOTICE OF ADOPTED REPEALER

- 8) A copy of the adopted repealer, including any material incorporated by reference, is on file in the agency's principal office and is available for public inspection.
- 9) Notice of Proposed Published in the *Illinois Register*: July 13, 2012; 36 Ill. Reg. 9894
- 10) Has JCAR issued a Statement of Objection to this Repealer: No
- 11) Difference between Proposal and Final Version: None
- 12) Have all the changes agreed upon by the agency and JCAR been made as indicated in the agreements issued by JCAR? None were necessary.
- 13) Will this repealer replace any emergency repealer currently in effect? Yes
- 14) Are there any other proposed rulemakings pending on this Part? No
- 15) Summary and Purpose of Repealer: Public Act 97-689 eliminated all State funded General Assistance and related medical benefits effective July 1, 2012. Pursuant to the provisions of PA 97-689, this proposed rulemaking repeals 89 Ill. Adm. Code 114. Companion amendments are also being adopted 89 Ill. Adm. Code 10, 89 Ill. Adm. Code 117 and 89 Ill. Adm. Code 165.
- 16) Information and questions regarding this adopted repealer shall be directed to:

Tracie Drew, Bureau Chief
Bureau of Administrative Rules and Procedures
Department of Human Services
100 South Grand Avenue East
Harris Bldg., 3rd Floor
Springfield, Illinois 62762

217/785-9772

DEPARTMENT OF HUMAN SERVICES

NOTICE OF ADOPTED AMENDMENTS

- 1) Heading of the Part: Related Program Provisions
- 2) Code Citation: 89 Ill. Adm. Code 117
- 3)

<u>Section Numbers:</u>	<u>Adopted Action:</u>
117.20	Amendment
117.40	Repeal
117.60	Amendment
117.80	Amendment
117.90	Amendment
- 4) Statutory Authority: Implementing Articles III, IV and VI and authorized by Section 12-13 of the Illinois Public Aid Code [305 ILCS 5/Arts. III, IV and VI and 12-13] and PA 97-689
- 5) Effective Date of Rulemaking: February 4, 2013
- 6) Does this rulemaking contain an automatic repeal date? No
- 7) Does this rulemaking contain incorporations by reference? No
- 8) A copy of the adopted amendments, including any material incorporated, is on file in the Agency's principal office and is available for public inspection.
- 9) Notice of Proposal Published in the *Illinois Register*: July 13, 2012; 36 Ill. Reg. 9898
- 10) Has JCAR issued a Statement of Objection to this Rulemaking? No
- 11) Differences between Proposal and Final Version: Various non-substantive changes were made since First Notice to Sections 117.20, 117.60, 117.80 and 117.90.
- 12) Have all changes agreed upon by the agency and JCAR been made as indicated in the agreements issued by JCAR? Yes
- 13) Will this rulemaking replace any emergency rulemaking currently in effect? Yes
- 14) Are there any proposed rulemakings pending on this Part? No

DEPARTMENT OF HUMAN SERVICES

NOTICE OF ADOPTED AMENDMENTS

15) Summary and Purpose of Rulemaking: Public Act 97-689 eliminates all State funded General Assistance and related medical benefits effective July 1, 2012. Pursuant to the provisions of P A 97-689, this rulemaking makes changes to 89 Ill. Adm. Code 117 that are necessary due to the elimination of the State funded General Assistance program. Companion amendments are also being adopted in 89 Ill. Adm. Code 10, 89 Ill. Adm. Code 114 and 89 Ill. Adm. Code 165.

16) Information and questions regarding this rulemaking shall be directed to:

Tracie Drew, Chief
Bureau of Administrative Rules and Procedures
Department of Human Services
100 South Grand Avenue East
Harris Building, 3rd Floor
Springfield, Illinois 62762

217/785-9772

17) Does this rulemaking require the preview of the Procurement Policy Board as specified in Section 5-25 of the Illinois Procurement Code? No

The full text of the Adopted Amendments begins on the next page:

DEPARTMENT OF HUMAN SERVICES

NOTICE OF ADOPTED AMENDMENTS

TITLE 89: SOCIAL SERVICES
 CHAPTER IV: DEPARTMENT OF HUMAN SERVICES
 SUBCHAPTER b: ASSISTANCE PROGRAMS

PART 117
 RELATED PROGRAM PROVISIONS

Section

117.1	Incorporation By Reference
117.10	Payee for Financial Assistance
117.11	Issuance of Cash Assistance Benefits
117.12	Client Training Brochure for the Electronic Benefits Transfer (EBT) System
117.13	Replacement of the EBT Card
117.15	Reinstatement Upon Cooperation
117.20	Replacement of Missing Warrants
117.30	Withholding of Rent (Repealed)
117.40	Recovery of Interim Assistance – Aid to the Aged, Blind or Disabled and General Assistance (<u>Repealed</u>)
117.50	Funerals and Burials
117.51	Funeral Home Services
117.52	Burial Expenses
117.53	Payment to Vendor(s)
117.54	Claims for Reimbursement
117.55	Submittal of Claims
117.60	Substitute Parental Care/Supplemental Child Care – TANF <u>and</u> ; AABD <u>and GA Family Cases</u>
117.70	Charge for Replacement of Photo ID Cards (Repealed)
117.80	Direct Deposit of Recipients' Warrants
117.90	State Income Tax Match
117.91	New Hire Match
117.92	Electronic Finger Imaging

AUTHORITY: Implementing Articles III, IV and VI and authorized by Section 12-13 of the Illinois Public Aid Code [305 ILCS 5/Arts. III, IV and VI, and 12-13].

SOURCE: Filed and effective December 30, 1977; amended at 2 Ill. Reg. 31, p. 68, effective August 3, 1978; amended at 3 Ill. Reg. 38, p. 258, effective September 20, 1979; amended at 3 Ill. Reg. 41, p. 167, effective October 1, 1979; codified at 7 Ill. Reg. 5195; amended at 7 Ill. Reg. 16111, effective November 22, 1983; amended at 9 Ill. Reg. 3726, effective March 13, 1985;

DEPARTMENT OF HUMAN SERVICES

NOTICE OF ADOPTED AMENDMENTS

amended at 9 Ill. Reg. 4526, effective March 20, 1985; amended at 9 Ill. Reg. 8733, effective May 29, 1985; amended at 9 Ill. Reg. 10779, effective July 5, 1985; amended at 9 Ill. Reg. 16914, effective October 16, 1985; amended at 11 Ill. Reg. 4759, effective March 13, 1987; amended at 12 Ill. Reg. 2985, effective January 13, 1988; amended at 12 Ill. Reg. 13608, effective August 15, 1988; amended at 12 Ill. Reg. 14296, effective August 30, 1988; amended at 13 Ill. Reg. 3936, effective March 10, 1989; amended at 14 Ill. Reg. 780, effective January 1, 1990; amended at 14 Ill. Reg. 9488, effective June 1, 1990; amended at 15 Ill. Reg. 13533, effective August 1, 1991; amended at 16 Ill. Reg. 16644, effective October 23, 1992; emergency amendment at 17 Ill. Reg. 2368, effective February 8, 1993, for a maximum of 150 days; amended at 17 Ill. Reg. 8191, effective May 24, 1993; amended at 18 Ill. Reg. 3746, effective February 28, 1994; amended at 18 Ill. Reg. 7403, effective April 29, 1994; amended at 19 Ill. Reg. 1103, effective January 26, 1995; amended at 19 Ill. Reg. 10702, effective July 7, 1995; emergency amendment at 19 Ill. Reg. 15267, effective November 1, 1995, for a maximum of 150 days; amended at 20 Ill. Reg. 877, effective January 1, 1996; amended at 20 Ill. Reg. 5706, effective March 30, 1996; emergency amendment at 20 Ill. Reg. 10381, effective July 23, 1996, for a maximum of 150 days; amended at 21 Ill. Reg. 395, effective December 20, 1996; amended at 21 Ill. Reg. 7759, effective June 4, 1997; emergency amendment at 21 Ill. Reg. 8677, effective July 1, 1997, for a maximum of 150 days; recodified from the Department of Public Aid to the Department of Human Services at 21 Ill. Reg. 9322; amended at 21 Ill. Reg. 15591, effective November 26, 1997; amended at 22 Ill. Reg. 16251, effective September 1, 1998; amended at 22 Ill. Reg. 18951, effective October 1, 1998; amended at 23 Ill. Reg. 5263, effective April 19, 1999; amended at 23 Ill. Reg. 11174, effective August 27, 1999; amended at 23 Ill. Reg. 12638, effective October 15, 1999; emergency amendment at 24 Ill. Reg. 6723, effective April 14, 2000, for maximum of 150 days; amended at 24 Ill. Reg. 13422, effective August 18, 2000; amended at 24 Ill. Reg. 16305, effective October 17, 2000; amended at 27 Ill. Reg. 14028, effective August 7, 2003; amended at 30 Ill. Reg. 11549, effective June 20, 2006; amended at 32 Ill. Reg. 9614, effective June 23, 2008; emergency amendment at 36 Ill. Reg. 10503, effective July 1, 2012 until June 30, 2013; amended at 37 Ill. Reg. 1884, effective February 4, 2013.

Section 117.20 Replacement of Missing Warrants

- a) When a client reports the non-receipt of a warrant, the Department shall replace the warrant, unless the warrant was endorsed by the payee, after the client has signed a request to stop payment and an agreement that recovery may be made. The replacement shall be made only if the request is received within 60 days ~~after~~ the date of mailing of the warrant in question.
- b) In the event the missing warrant is actually received and cashed by the client and a replacement warrant has been received and cashed by the client, pursuant to the

DEPARTMENT OF HUMAN SERVICES

NOTICE OF ADOPTED AMENDMENTS

terms of the recovery agreement, the Department shall recoup or recover the amount of the replacement warrant as follows:

- 1) For ~~Aid to Families with Dependent Children (AFDC) and~~ Temporary Assistance for Needy Families (TANF); 1/36 of the amount of the replacement warrant shall be recouped each month until the entire amount is recouped. ~~AFDC and~~ TANF recoupment under this Section shall not take place while recoupment under 89 Ill. Adm. Code 165.70 is in process.
 - 2) For Aid to the Aged, Blind or Disabled (AABD) ~~and General Assistance (GA)~~ cases as provided in 89 Ill. Adm. Code 165.70.
 - 3) For supportive service payments issued to participants, the replacement warrant will be recovered under Subpart D of 89 Ill. Adm. Code 165, after financial assistance is cancelled.
- c) The determination that the missing warrant was actually received and cashed by the client shall be made by comparing the signature of endorsement appearing on the warrant with a specimen signature of the client.

(Source: Amended at 37 Ill. Reg. 1884, effective February 4, 2013)

Section 117.40 Recovery of Interim Assistance – Aid to the Aged Blind or Disabled (AABD) and General Assistance (GA) (Repealed)

- a) ~~Interim assistance shall be provided only when an applicant authorizes the Department to recover that assistance from the individual's initial Supplemental Security Income benefit award.~~
- b) ~~State Supplemental Payments (SSP) issued to meet basic income maintenance needs during the pendency of the individual's Supplemental Security Income (SSI) application and/or General Assistance issued to an individual who has been denied SSI due to a finding of "not aged", "not blind" or "not disabled" and has filed for a reconsideration (or appeal) of the SSI denial shall be subject to recovery by the Department.~~

(Source: Repealed at 37 Ill. Reg. 1884, effective February 4, 2013)

Section 117.60 Substitute Parental Care/Supplemental Child Care – TANF and; AABD

DEPARTMENT OF HUMAN SERVICES

NOTICE OF ADOPTED AMENDMENTS

~~and GA Family Cases~~

- a) Substitute Parental Care/Supplemental Child Care
 - 1) Subject to prior approval, payment shall be authorized by the Department for Substitute Parental/Supplemental Child Care when there is a need for child care because of the absence from the home or incapacity of the child's caretaker. Prior approval consists of verification of the need based on a statement from the client's physician or law enforcement officials. When prior approval cannot be obtained due to emergency hospitalization or the incarceration of the caretaker, payment shall be authorized if the request is received within 10 calendar days after the caretaker's release from the hospital or incarceration.
 - 2) Payment shall not be made to:
 - A) Individuals living in the home with the caretaker and child, or
 - B) A responsible relative (as defined in 89 Ill. Adm. Code 103.10(b)(2)) of the caretaker or child.
- b) Substitute Parental Care
 - 1) Substitute parental care is care and supervision provided to children by an individual when the caretaker is required to be absent from the home for a period of 24 hours or more. Reasons for substitute parental care shall include but are not limited to hospitalization or incarceration. The substitute parent is not a day care provider.
 - 2) The Department shall authorize payment up to \$25 per day. When substitute parental care is provided at no costs, day care is paid only during the hours of the substitute parent's absence for reasons of employment, education or training. Day Care payment rates as established by the Department of Children and Family Services are applicable for Public Aid purposes. This type of care shall be provided for no more than 30 days. However, if the client documents (i.e., through a doctor's statement or social service agency statement) that care was needed for a longer period of time,) payment shall be authorized.

DEPARTMENT OF HUMAN SERVICES

NOTICE OF ADOPTED AMENDMENTS

- c) Supplemental Child Care
- 1) Supplemental child care is care needed for less than 24 hours when the child's caretaker is in the home but incapacitated.
 - 2) Supplemental child care is provided when a physician, psychiatrist or psychologist verifies that, due to illness or incapacity, the child's caretaker is unable to provide care and supervision of the child.
 - 3) Maximum Payment Amounts and Types of Tasks Provided to the Child and/or the Caretaker
Payment is limited to the following tasks and will be allowed up to \$3.35 per hour:
 - A) Meal Preparation – Maximum 1 hour per meal
Grocery shopping; preparation of meals; service of meals (to include incapacitated caretaker and infant); and dishwashing and cleanup.
 - B) Personal Care – Maximum 7 hours per week
Assistance with bathing and shampooing hair; assistance with dental care; assistance with care and diapering of infants; and assistance with dressing.
 - C) Laundry – Maximum 3 hours per week
Washing clothing and linens; and folding and storing clothes and linens.

(Source: Amended at 37 Ill. Reg. 1884, effective February 4, 2013)

Section 117.80 Direct Deposit of Recipients' Warrants

- a) Warrants of AABD ~~and TANF~~, ~~AFDC and GA~~ recipients shall be deposited directly into their banks, savings and loan associations or credit unions when requested by ~~thesueh~~ recipients.
- b) Warrants issued to Protective Payees of AABD ~~and TANF~~, ~~AFDC and GA~~ clients are required to be deposited directly into a bank, savings and loan association or credit union account.

DEPARTMENT OF HUMAN SERVICES

NOTICE OF ADOPTED AMENDMENTS

(Source: Amended at 37 Ill. Reg. 1884, effective February 4, 2013)

Section 117.90 State Income Tax Match

The Department conducts a yearly State Income Tax Match. Department records are matched with Illinois Department of Revenue records to obtain possible sources of unreported income.

- a) Type I-Income Only cases are those cases that received ~~TANFAFDC~~ ~~or~~ AABD ~~or GA~~ cash assistance for each month beginning with March of a tax year through February of the next year, reported earned income on the State income tax return for that tax year, but had no earned income budgeted for the months of cash assistance receipt.
- b) Type II-Joint Return Only cases are those cases that received ~~TANFAFDC~~ cash assistance for each month beginning with March of a tax year through February of the next year, filed a joint State income tax return for that year, but who only had one adult's needs included in the ~~TANFAFDC~~ case for the entire period of ~~TANFAFDC~~ cash assistance receipt.
- c) Type III cases are ~~TANFAFDC~~ cash assistance cases that are a combination of Type I and Type II cases, having all characteristics of both types.
- d) Each client will be notified of an appointment for an interview, advising of the date, time and place, the reason, a statement of the information obtained from the State Income Tax Match and a list of items to bring to the interview.
- e) If the client fails to appear for the interview, the case will be discontinued due to the receipt of income and an overpayment will be determined for the relevant time period.
- f) If the client appears for the interview, the following actions will be taken:
 - 1) For Type I and Type III cases, appropriate actions regarding termination or reduction of benefits and determination of any overpayment will be made based on the information provided by the client regarding income and employment.
 - 2) For Type II and Type III cases, the client will be advised that signing the

DEPARTMENT OF HUMAN SERVICES

NOTICE OF ADOPTED AMENDMENTS

joint income tax refund creates the inference that the income was available to the client and that the Department will consider the income, less the spouse's share based on the Department's Standard of Need, as available, unless the client can prove all or part of the income was not available. The client can do this in one of the following ways:

- A) signing an affidavit that the client's signature on the joint income tax return is a forgery or that it was signed under duress;
 - B) having the spouse sign an affidavit that the client and the spouse did not live together and that the client did not receive or have access to the spouse's income;
 - C) signing an affidavit that the client did not have access to the spouse's income or only had access to part of the spouse's income;
 - D) receipt of child support from the spouse during the relevant time period; or
 - E) stating that an amended State income tax return was filed by the client, with the spouse filing separately, and providing a copy of the amended return.
- 3) If the client proves that the income was not available, no negative actions will be taken. If the client proves that only part of the income was available, then appropriate actions of termination, reduction or overpayment will be taken based on that information.
- g) For all cases, if a client appears for the interview, but then fails to provide the necessary information, the case will be discontinued for failure to cooperate and any overpayment will be calculated based on State Income Tax Match as well as other available information.

(Source: Amended at 37 Ill. Reg. 1884, effective February 4, 2013)

DEPARTMENT OF HUMAN SERVICES

NOTICE OF ADOPTED AMENDMENT

- 1) Heading of the Part: Collections and Recoveries
- 2) Code Citation: 89 Ill. Adm. Code 165
- 3) Section Number: 165.70 Adopted Action:
Amendment
- 4) Statutory Authority: Implementing and authorized by Sections 11-18, 12-4.4 and 12-13 of the Illinois Public Aid Code [305 ILCS 5/11-18, 12-4.4 and 12-13] and PA 97-689
- 5) Effective Date of Rulemaking: February 4, 2013
- 6) Does this rulemaking contain an automatic repeal date? No
- 7) Does this rulemaking contain incorporations by reference? No
- 8) A copy of the adopted amendment, including any material incorporated, is on file in the agency's principal office and is available for public inspection.
- 9) Notice of Proposal Published in the *Illinois Register*: July 13, 2012; 36 Ill. Reg. 9900
- 10) Has JCAR issued a Statement of Objection to this Rulemaking? No
- 11) Differences between Proposal and Final Version: No substantive changes were made to the text of the proposed rulemaking.
- 12) Have all changes agreed upon by the Agency and JCAR been made as indicated in the agreements issued by JCAR? No agreements were necessary.
- 13) Will this rulemaking replace any emergency rulemaking currently in effect? Yes
- 14) Are there any other proposed rulemakings pending on this Part? No
- 15) Summary and Purpose of Rulemaking: Public Act 97-689 eliminates all State funded General Assistance and related medical benefits effective July 1, 2012. Pursuant to the provisions of PA 97-689, this rulemaking makes changes to 89 Ill. Adm. Code 165 that are necessary due to the elimination of the State funded General Assistance program. Companion amendments are also being adopted in 89 Ill. Adm. Code 10, 89 Ill. Adm. Code 114 and 89 Ill. Adm. Code 117.

DEPARTMENT OF HUMAN SERVICES

NOTICE OF ADOPTED AMENDMENT

- 16) Information and questions regarding this rulemaking shall be directed to:

Tracie Drew, Chief
Bureau of Administrative Rules and Procedures
Department of Human Services
100 South Grand Avenue East
Harris Building, 3rd Floor
Springfield, Illinois 62762

217/785-9772

- 17) Does this amendment require the preview of the Procurement Policy Board as specified in Section 5-25 of the Illinois Procurement Code? No

The full text of the Adopted Amendment begins on the next page:

DEPARTMENT OF HUMAN SERVICES

NOTICE OF ADOPTED AMENDMENT

TITLE 89: SOCIAL SERVICES
CHAPTER IV: DEPARTMENT OF HUMAN SERVICES
SUBCHAPTER f: COLLECTIONS

PART 165
COLLECTIONS AND RECOVERIES

SUBPART A: GENERAL OVERPAYMENT PROVISIONS

Section

- 165.1 Incorporation By Reference
- 165.10 Overpayments
- 165.20 Determination of Financial Assistance Overpayments
- 165.30 Types of Food Stamp Overpayment Claims
- 165.40 Determination of Food Stamp Overpayments
- 165.42 Establishment of Claims for Food Stamp Overpayments
- 165.44 Acceptable Forms of Food Stamp Payments
- 165.50 Suspension and Termination of Food Stamp Claims

SUBPART B: COLLECTION OF FINANCIAL ASSISTANCE
OVERPAYMENTS FROM CURRENT CASES

Section

- 165.70 Recoupment of Overpayments from Current Temporary Assistance to Needy Families (TANF) ~~and~~; Aid to the Aged, Blind or Disabled (AABD) ~~and General Assistance (GA)~~ Cases

SUBPART C: COLLECTION OF FOOD STAMP OVERPAYMENTS FROM
CURRENTLY PARTICIPATING HOUSEHOLDS

Section

- 165.80 Initiating Collection from Currently Participating Households
- 165.82 Methods of Food Stamp Claim Repayment
- 165.84 Determination of Monthly Benefit Reduction Amount
- 165.86 Failure to Respond to Initial Demand Letter
- 165.88 Failure to Comply with Repayment Schedule (Repealed)

SUBPART D: COLLECTION OF OVERPAYMENTS FROM NON-RECIPIENTS

DEPARTMENT OF HUMAN SERVICES

NOTICE OF ADOPTED AMENDMENT

Section

- 165.100 Collection of Overpayments from Persons Not Receiving Financial Assistance or Food Stamps
- 165.102 Demand for Repayment
- 165.104 Methods of Involuntary Repayment
- 165.106 Effect of Return to Active Assistance Status

AUTHORITY: Implementing and authorized by Sections 11-18, 12-4.4 and 12-13 of the Illinois Public Aid Code [305 ILCS 5/11-18, 12-4.4 and 12-13].

SOURCE: Recodified from 89 Ill. Adm. Code 102.100 and 102.110 and 89 Ill. Adm. Code 121.200 through 121.208 at 10 Ill. Reg. 21094; amended at 11 Ill. Reg. 10604, effective May 29, 1987; amended at 12 Ill. Reg. 18192, effective November 4, 1988; amended at 13 Ill. Reg. 3843, effective March 17, 1989; amended at 17 Ill. Reg. 8187, effective May 24, 1993; amended at 17 Ill. Reg. 18113, effective September 29, 1993; emergency amendment at 20 Ill. Reg. 13376, effective October 1, 1996, for a maximum of 150 days; amended at 21 Ill. Reg. 3151, effective February 28, 1997; emergency amendments at 21 Ill. Reg. 8607, effective July 1, 1997, for a maximum of 150 days; recodified from the Department of Public Aid to the Department of Human Services at 21 Ill. Reg. 9322; amended at 21 Ill. Reg. 15502, effective November 26, 1997; amended at 22 Ill. Reg. 18939, effective October 1, 1998; amended at 26 Ill. Reg. 400, effective January 1, 2002; amended at 26 Ill. Reg. 16495, effective October 28, 2002; amended at 32 Ill. Reg. 7916, effective May 7, 2008; amended by peremptory amendment at 33 Ill. Reg. 5549, effective April 1, 2009; amended by peremptory amendment at 33 Ill. Reg. 11336, effective July 15, 2009; emergency amendment at 36 Ill. Reg. 10513, effective July 1, 2012, for a maximum of 150 days; amended at 36 Ill. Reg. 1893, effective February 4, 2013.

SUBPART B: COLLECTION OF FINANCIAL ASSISTANCE
OVERPAYMENTS FROM CURRENT CASES

Section 165.70 Recoupment of Overpayments from Current Temporary Assistance for Needy Families (TANF) ~~and~~, Aid to the Aged, Blind or Disabled (AABD) ~~and~~ General Assistance (GA) Cases

- a) When the Department determines that a TANF ~~or~~, AABD ~~or~~ GA assistance unit has received assistance to which it is not entitled, the Department shall recoup the overpayment from:
- 1) the current assistance grant;

DEPARTMENT OF HUMAN SERVICES

NOTICE OF ADOPTED AMENDMENT

- 2) the assistance grant case that now contains the former grantee of the overpaid assistance case; or
 - 3) the assistance grant case that now contains any adult member of the overpaid assistance case.
- b) The entire overpayment will be recouped in as short a time as possible. For AABD ~~and GA~~ cases, the amount to be deducted for any one month shall not reduce the family's or individual's total income and assets to an amount less than 90% of the respective payment standard for a family or individual of that size with no income. (For overpayments due to the receipt of duplicate warrants, see 89 Ill. Adm. Code 117.20.)
- c) For TANF ~~and GA~~ cases, the family's or individual's total income shall include all gross earned income, less the earned income disregard and child care deduction if applicable, all unearned income, and all assistance payments. For AABD, total income shall include net earned income, all unearned income, and all assistance payments.
- d) Families participating in the TANF program who have received an overpayment of AFDC or TANF, and have not repaid the money, will have the overpayment recouped from the TANF payment. The amount to be deducted for any one month shall not reduce the family's or individual's total income and assets to an amount less than 90% of the applicable assistance payment level with a \$75 monthly maximum deduction. (For overpayments due to the receipt of duplicate warrants, see 89 Ill. Adm. Code 117.20.)

(Source: Amended at 36 Ill. Reg. 1893, effective February 4, 2013)

DEPARTMENT OF NATURAL RESOURCES

NOTICE OF ADOPTED AMENDMENTS

- 1) Heading of the Part: The Taking of Wild Turkeys – Spring Season
- 2) Code Citation: 17 Ill. Adm. Code 710
- 3)

<u>Section Numbers:</u>	<u>Adopted Action:</u>
710.10	Amendment
710.50	Amendment
- 4) Statutory Authority: Implementing and authorized by Sections 1.3, 1.4, 1.20, 2.9, 2.10 and 2.11 of the Wildlife Code [520 ILCS 5/1.3, 1.4, 1.20, 2.9, 2.10 and 2.11]
- 5) Effective Date of Amendments: February 4, 2013
- 6) Does this rulemaking contain an automatic repeal date? No
- 7) Does this rulemaking contain incorporations by reference? No
- 8) A copy of the adopted amendments, including all material incorporated by reference, is on file in the Department of Natural Resources' principal office and is available for public inspection.
- 9) Notice of Proposal Published in the *Illinois Register*: October 5, 2012; 36 Ill. Reg. 14585
- 10) Has JCAR issued a Statement of Objection to this Rulemaking? No
- 11) Differences between Proposal and Final Version:

In Section 710.10(1), "1st Season:", the ", 2012" has been stricken.

In Section 710.50(b), "in subsections (c) and (d)" has been stricken.
- 12) Have all the changes agreed upon by the agency and JCAR been made as indicated in the agreements issued by JCAR? No agreements were necessary.
- 13) Will this rulemaking replace any emergency rulemaking currently in effect? No
- 14) Are there any proposed rulemakings pending on this Part? No
- 15) Summary and Purpose of Rulemaking: This Part is being amended to adjust season dates

DEPARTMENT OF NATURAL RESOURCES

NOTICE OF ADOPTED AMENDMENTS

for the 2013 calendar year, add new counties and add new sites. Procedural changes are also made for two sites.

- 16) Information and questions regarding these adopted amendments shall be directed to:

Nick San Diego, Legal Counsel
Department of Natural Resources
One Natural Resources Way
Springfield IL 62702-1271

217/782-1809

The full text of the Adopted Amendments begins on the next page:

DEPARTMENT OF NATURAL RESOURCES

NOTICE OF ADOPTED AMENDMENTS

TITLE 17: CONSERVATION
CHAPTER I: DEPARTMENT OF NATURAL RESOURCES
SUBCHAPTER b: FISH AND WILDLIFEPART 710
THE TAKING OF WILD TURKEYS – SPRING SEASON

Section

710.5	Hunting Zones
710.10	Hunting Seasons
710.20	Statewide Turkey Permit Requirements
710.21	Turkey Permit Requirements – Special Hunts (Renumbered)
710.22	Turkey Permit Requirements – Landowner/Tenant Permits
710.25	Turkey Permit Requirements – Special Hunts
710.28	Turkey Permit Requirements – Heritage Youth Turkey Hunt (Repealed)
710.30	Turkey Hunting Regulations
710.40	Other Regulations (Repealed)
710.50	Regulations at Various Department-Owned or -Managed Sites
710.55	Special Hunts for Disabled Hunters
710.60	Releasing or Stocking of Turkeys
710.70	Spring Youth Turkey Hunt

AUTHORITY: Implementing and authorized by Sections 1.3, 1.4, 1.20, 2.9, 2.10 and 2.11 of the Wildlife Code [520 ILCS 5/1.3, 1.4, 1.20, 2.9, 2.10 and 2.11].

SOURCE: Adopted at 4 Ill. Reg. 15, p. 153, effective April 1, 1980; codified at 5 Ill. Reg. 10643; amended at 6 Ill. Reg. 3852, effective March 31, 1982; amended at 7 Ill. Reg. 4208, effective March 25, 1983; amended at 8 Ill. Reg. 5663, effective April 16, 1984; amended at 9 Ill. Reg. 6200, effective April 24, 1985; amended at 10 Ill. Reg. 6848, effective April 4, 1986; amended at 11 Ill. Reg. 2267, effective January 20, 1987; amended at 12 Ill. Reg. 5342, effective March 8, 1988; amended at 13 Ill. Reg. 5090, effective April 4, 1989; amended at 14 Ill. Reg. 663, effective January 2, 1990; amended at 15 Ill. Reg. 4161, effective March 4, 1991; amended at 16 Ill. Reg. 1843, effective January 17, 1992; amended at 17 Ill. Reg. 3184, effective March 2, 1993; amended at 18 Ill. Reg. 1156, effective January 18, 1994; emergency amendment at 18 Ill. Reg. 3751, effective March 1, 1994, for a maximum of 150 days; emergency expired July 29, 1994; amended at 19 Ill. Reg. 2450, effective February 17, 1995; emergency amendment at 19 Ill. Reg. 5312, effective April 1, 1995, for a maximum of 150 days; emergency expired August 29, 1995; amended at 20 Ill. Reg. 777, effective December 29, 1995; recodified by changing the agency name from Department of Conservation to Department of Natural Resources at 20 Ill.

DEPARTMENT OF NATURAL RESOURCES

NOTICE OF ADOPTED AMENDMENTS

Reg. 9389; amended at 21 Ill. Reg. 3125, effective March 3, 1997; amended at 22 Ill. Reg. 2192, effective January 2, 1998; amended at 22 Ill. Reg. 19568, effective October 23, 1998; amended at 23 Ill. Reg. 11956, effective September 21, 1999; amended at 24 Ill. Reg. 7984, effective May 24, 2000; amended at 24 Ill. Reg. 17778, effective November 27, 2000; amended at 25 Ill. Reg. 14176, effective October 22, 2001; amended at 26 Ill. Reg. 18028, effective December 6, 2002; amended at 27 Ill. Reg. 17075, effective October 22, 2003; amended at 29 Ill. Reg. 3935, effective February 24, 2005; amended at 29 Ill. Reg. 20484, effective December 2, 2005; amended at 31 Ill. Reg. 1958, effective January 16, 2007; amended at 31 Ill. Reg. 16476, effective November 28, 2007; amended at 32 Ill. Reg. 19742, effective December 3, 2008; amended at 34 Ill. Reg. 4868, effective March 19, 2010; amended at 35 Ill. Reg. 3705, effective February 16, 2011; amended at 35 Ill. Reg. 20588, effective December 9, 2011; amended at 37 Ill. Reg. 1898, effective February 4, 2013.

Section 710.10 Hunting Seasons

a) Northern Zone Season Dates:

1st Season: Monday, April ~~15~~16-Friday, April ~~19, 2013~~20, ~~2012~~

2nd Season: Saturday, April ~~20~~21-Thursday, April ~~25, 2013~~26, ~~2012~~

3rd Season: Friday, April ~~26~~27-Wednesday, May ~~1, 2013~~2, ~~2012~~

4th Season: Thursday, May ~~23~~24-Wednesday, May ~~8, 2013~~9, ~~2012~~

5th Season: Thursday, May ~~9~~10-Thursday, May ~~16, 2013~~17, ~~2012~~

b) Southern Zone Season Dates:

1st Season: Monday, April ~~8~~9-Friday, April ~~12, 2013~~13, ~~2012~~

2nd Season: Saturday, April ~~13~~14-Thursday, April ~~18, 2013~~19, ~~2012~~

DEPARTMENT OF NATURAL RESOURCES

NOTICE OF ADOPTED AMENDMENTS

3rd Season: Friday, April ~~1920~~-Wednesday, April ~~24, 2013~~~~25, 2012~~

4th Season: Thursday, April ~~25~~~~26~~-Wednesday, May ~~1, 2013~~~~2, 2012~~

5th Season: Thursday, May ~~23~~-Thursday, May ~~9, 2013~~~~10, 2012~~

c) Open Counties:

NORTHERN ZONE

- Adams
- Boone
- Brown
- Bureau
- Calhoun
- Carroll
- Cass
- Champaign
- Christian
- Clark
- Coles
- Cumberland
- DeKalb
- DeWitt
- Douglas
- Edgar
- Ford
- Fulton
- Greene
- Grundy
- Hancock
- Henderson
- Henry
- Iroquois
- Jersey
- Jo Daviess
- Kane
- Kankakee

DEPARTMENT OF NATURAL RESOURCES

NOTICE OF ADOPTED AMENDMENTS

Kendall
Knox
Lake
La Salle
Lee
Livingston
Logan
Macon
Macoupin
Marshall-Putnam
Mason
McDonough
McHenry
McLean
Menard
Mercer
Montgomery
Morgan
Moultrie
Ogle
Peoria
Piatt
Pike
Rock Island
Sangamon
Schuyler
Scott
Shelby
Stark
Stephenson
Tazewell
Vermilion
Warren
Whiteside
Will
Winnebago
Woodford

SOUTHERN ZONE

DEPARTMENT OF NATURAL RESOURCES

NOTICE OF ADOPTED AMENDMENTS

Alexander
Bond
Clay
Clinton
Crawford
Edwards
Effingham
Fayette
Franklin
Hamilton
Gallatin-Hardin
Jackson
Jasper
Jefferson
Johnson
Lawrence
Madison
Marion
Massac
Monroe
Perry
Pope
Pulaski
Randolph
Richland
Saline
St. Clair
Union
Wabash
Washington
Wayne
White
Williamson

(Source: Amended at 37 Ill. Reg. 1898, effective February 4, 2013)

Section 710.50 Regulations at Various Department-Owned or -Managed Sites

- a) Hunters who intend to hunt Department sites and who have a physical disability

DEPARTMENT OF NATURAL RESOURCES

NOTICE OF ADOPTED AMENDMENTS

that requires special accommodations must contact the site superintendent at least 10 days before the date they wish to hunt. The site superintendent shall make reasonable accommodations necessary to allow the disabled person to participate in the hunting experience at the site. Disabled hunters who require an aide or assistant with them during the hunt are responsible for providing the aide or assistant and notifying the site superintendent that an assistant will be present, and whether the assistant will also be hunting.

- b) Hunters must sign in/sign out at all sites ~~in subsections (c) and (d)~~ that are followed by a (1). Sites that require use of windshield cards by hunters as specified in 17 Ill. Adm. Code 510.10 are followed by a (2).
- c) Statewide regulations shall apply for the following sites:
- Anderson Lake Conservation Area (1)
 - Argyle Lake State Park (1)
 - Cache River State Natural Area (1)
 - Campbell Pond Wildlife Management Area
 - Cape Bend State Fish and Wildlife Area (1)
 - Carlyle Lake Wildlife Management Area
 - Copperhead Hollow State Wildlife Area
 - Cypress Pond State Natural Area (1)
 - Deer Pond State Natural Area (1)
 - Devil's Island State Fish and Wildlife Area
 - Dog Island Wildlife Management Area (1)
 - Ferne Clyffe State Park – Cedar Draper Bluff Hunting Area (1)
 - Flag Pond State Natural Area

DEPARTMENT OF NATURAL RESOURCES

NOTICE OF ADOPTED AMENDMENTS

Fort de Chartres State Historic Site (muzzleloading shotgun or archery only; no in-line muzzleloading shotguns or muzzleloaders with scopes allowed) (1)

Giant City State Park (1)

Horseshoe Lake Conservation Area – Alexander County (controlled goose hunting area and public hunting area only) (1)

Horseshoe Lake State Park (Madison County) – Gabaret, Mosenthein, Chouteau Island Units (all hunters must obtain a free site permit)

Jubilee State Park (archery only) (1)

Kaskaskia River State Fish and Wildlife Area (no hunting east of and within 50 yards of the defined Baldwin Lake Waterfowl Rest Area's main north-south road, within 100 yards of any house or building, or south of the Dry Lake access road; a hunter with a P-2 handicapped certification, accompanied by a non-hunting attendant, may hunt at the site's designated handicapped hunting spot within this closed area; the hunting spot will be allocated on a first come-first served basis or via a drawing, if needed, held at the site office) (1)

Kinkaid Lake Fish and Wildlife Area (1)

Mark Twain National Wildlife Refuge, Gardner Division

Mississippi River Fish and Wildlife Area (Pools 25 and 26)

Mississippi River Pools 16, 17, 18, 21, 22, and 24

Nauvoo State Park (Max Rowe Unit only)

Oakford Conservation Area

Peabody River King State Fish and Wildlife Area (except South Subunit) (1)

DEPARTMENT OF NATURAL RESOURCES

NOTICE OF ADOPTED AMENDMENTS

Pere Marquette State Park (designated area only)

Ray Norbut Fish and Wildlife Area (1)

Rend Lake Project Lands and Waters except Wayne Fitzgerald State Park

Saline County Fish and Wildlife Area (1)

Sanganois Conservation Area (site issued free permit required)

Sielbeck Forest State Natural Area (1)

Skinner Farm State Habitat Area (1)

Trail of Tears State Forest (1)

Turkey Bluffs State Fish and Wildlife Area (1)

Union County Conservation Area – Firing Line Unit and Public Hunting Area only (1)

Weinberg-King State Park (1)

Weinberg-King State Park (Cecil White Unit)

Weinberg-King State Park (Spunky Bottoms Unit)

Wildcat Hollow State Forest (1)

Wise Ridge State Natural Area

- d) Statewide regulations shall apply except that all hunting is allowed by site-specific permit only. The Department of Natural Resources allocates permits for these areas through the lottery process set forth in Section 710.20. This permit is only valid for the specific site and season indicated on the permit.

Apple River Canyon State Park – Thompson and Salem Units (1)

Beaver Dam State Park

DEPARTMENT OF NATURAL RESOURCES

NOTICE OF ADOPTED AMENDMENTS

Big Bend State Fish and Wildlife Area (1)

Big River State Forest (1)

Burning Star 5 (preseason scouting is permitted seven days prior to season date listed on permit; hunters must have their permit in possession while scouting; only hunters with valid Burning Star 5 spring turkey permits may be on the property)

Butterfield Trail State Recreation Area (1)

Carlyle Lake State Fish and Wildlife Area – East Fork Management Unit

Castle Rock State Park (1)

Clinton Lake State Recreation Area

Coffeen Lake State Fish and Wildlife Area

Crawford County Conservation Area

Dixon Springs State Park (youth ages 10-15 only) (1)

Eagle Creek State Park (first two seasons only) (1)

Eldon Hazlet State Park

Ferne Clyffe Hunting Area (1)

Fort Massac State Park (Youth Ages 10-15 only) (1)

Fox Ridge State Park (1)

French Bluff State Natural Area (1)

Green River State Wildlife Area (1)

Hamilton County Conservation Area

DEPARTMENT OF NATURAL RESOURCES

NOTICE OF ADOPTED AMENDMENTS

Hanover Bluff State Natural Area (1)

Harry "Babe" Woodyard State Natural Area (1)

Hidden Springs State Forest (1)

Horseshoe Lake State Park (Madison County)

Hurricane Creek Habitat Area (must have Fox Ridge State Park permit)
(1)

Iroquois County State Wildlife Area

Jim Edgar Panther Creek State Fish and Wildlife Area

Johnson-Sauk Trail State Park (1)

Kankakee River State Park (hunting hours are from one-half hour before
sunrise until 12:00 noon) (1)

Kickapoo State Park (1)

Kishwaukee River State Fish and Wildlife Area (1)

Lowden Miller State Forest (1)

Mackinaw River Fish and Wildlife Area (1)

Marseilles Fish and Wildlife Area (site is open to hunting Monday through Thursday only; hunting hours are from one-half hour before sunrise until 8:30 a.m.; if space is available after site permit holders have checked in or if there have been no site specific permits issued, La Salle County permit holders who have an unfilled permit for the current season may be allowed on the site to hunt; if more La Salle County permit holders want to hunt than there are vacancies, a daily drawing at the site hunter check station will be held to determine who may enter the site to hunt; unauthorized personnel may not be on the site outside of the posted check station operating hours; hunters may only enter the site from designated parking

DEPARTMENT OF NATURAL RESOURCES

NOTICE OF ADOPTED AMENDMENTS

lots) (1)

Marshall Fish and Wildlife Area (1)

Matthiessen State Park (South of Vermilion River Area) (1)

[Mautino State Fish and Wildlife Area \(2\)](#)

Meeker State Habitat Area

Mermet Lake State Fish and Wildlife Area (1)

Middlefork State Fish and Wildlife Management Area (1)

Mississippi Palisades State Park (closed during the fifth season) (1)

Momence Wetlands (1)

Moraine View State Park (no hunting on weekends during 4th and 5th season) (1)

Morrison Rockwood State Park (closed during the fifth season) (1)

Mt. Vernon Game Propagation Center

Newton Lake Fish and Wildlife Area

Pere Marquette State Park (Piasa, Quotoga, Potawatomi Camp Areas) (no hunting allowed on weekends)

Pyramid State Park [\(2\)](#)

Pyramid State Park – East Conant Unit [\(2\)](#)

Rall Woods (Falling Down Prairie) State Natural Area (1)

Ramsey Lake State Park (1)

Randolph County Conservation Area (a handicapped hunter with a P-2

DEPARTMENT OF NATURAL RESOURCES

NOTICE OF ADOPTED AMENDMENTS

handicapped certification, accompanied by a non-hunting attendant, wanting to hunt at one of the site's two designated handicapped hunting spots is not required to have a site-specific permit; these hunting spots will be allocated on a first come-first served basis or via a drawing, if needed, held at the site office) (1)

Red Hills State Park

Red Hills State Park/Chauncey Marsh

Sahara Woods (1)

Sam Dale Lake Conservation Area (1)

Sam Parr State Park

Sand Ridge State Forest

Sandy Ford State Natural Area

Sangamon County Conservation Area

Sanganois Conservation Area (Squirrel Timber Unit) (1)

Sangchris Lake State Park

Siloam Springs State Park (1)

Siloam Springs State Park (Buckhorn Unit) (1)

South Shore State Park (must have Eldon Hazlet State Park permit)

Spoon River State Forest (1)

Stephen A. Forbes State Park (1)

Tapley Woods State Natural Area (1)

Ten Mile Creek Fish and Wildlife Area

DEPARTMENT OF NATURAL RESOURCES

NOTICE OF ADOPTED AMENDMENTS

Washington County Conservation Area (1)

Wayne Fitzgerald State Recreation Area

Weinberg-King State Park (Scripps Unit) (1)

Weldon Springs State Park – Piatt County Unit

[Winston Tunnel State Natural Area \(2\)](#)

Witkowsky State Wildlife Area (1)

Wolf Creek State Park (first 2 seasons only) (1)

(Source: Amended at 37 Ill. Reg. 1898, effective February 4, 2013)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

- 1) Heading of the Part: Definitions and General Provisions
- 2) Code citation: 35 Ill. Adm. Code 211
- 3) Section Number: 211.7150 Adopted Action: Amend
- 4) Statutory Authority: 415 ILCS 5/7.2, 9.1(e), and 27
- 5) Effective date of amendment: February 4, 2013
- 6) Does this rulemaking contain an automatic repeal date? No
- 7) Does this amendment contain incorporations by reference? No
- 8) Statement of availability: The adopted amendment, a copy of the Board's opinion and order adopted January 24, 2013 in docket R13-1, and all materials incorporated by reference are on file at the Board's principal office and are available for public inspection and copying.
- 9) Notice of proposal published in the Illinois Register: November 9, 2012; 36 Ill. Reg. 15575
- 10) Has JCAR issued a statement of objections to this rulemaking? No
- 11) Differences between the proposal and the final version: A table that appears in the Board's opinion and order of January 24, 2013 in docket R13-1 summarizes the differences between the amendment adopted in that order and those proposed by the Board in an opinion and order dated October 18, 2012, in docket R13-1. Many of the differences are explained in greater detail in the Board's opinion and order adopting the amendment.

The differences are limited to correction of an *Illinois Administrative Code* format error and the addition of an alternative chemical designation in parentheses after the chemical name. The changes are intended to have no substantive effect. The intent is to add clarity to the rules without deviation from the substance of the federal amendments on which this proceeding is based.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

- 12) Have all the changes agreed upon by the board and JCAR been made as indicated in the agreements issued by JCAR? Section 13.3 of the Environmental Protection Act [415 ILCS 5/13.3] provides that Section 5-35 of the Administrative Procedure Act [5 ILCS 100/5-35] does not apply to this rulemaking. Because this rulemaking is not subject to Section 5-35 of the IAPA, it is not subject to First Notice or to Second Notice review by JCAR.

Since the Notices of Proposed Amendment appeared in the November 9, 2012 issue of the *Illinois Register*, the Board received a number of suggestions for revisions from JCAR. The Board evaluated each suggestion and incorporated a number of changes into the text as a result, as detailed in the opinion and order of January 24, 2013 in docket R13-1, as indicated in item 11 above. See the January 24, 2013 opinion and order in docket R13-1 for additional details on the JCAR suggestions and the Board actions with regard to each. One table in that opinion itemizes the changes made in response to various suggestions. Another table indicates JCAR suggestions not incorporated into the text, with a brief explanation for each.

- 13) Will this amendment replace an emergency amendment currently in effect? No
- 14) Are there any other amendments pending on this Part? No
- 15) Summary and Purpose of Amendment: The following briefly describes the subjects and issues involved in this rulemaking. A comprehensive description is contained in the Board's opinion and order of October 18, 2012, adopting amendments in docket R13-1, which opinion and order is available from the address below.

The R13-1 proceeding relates to the listings of compounds exempted from the State definition of "volatile organic material" (VOM) or "volatile organic compound" (VOC) in 35 Ill. Adm. Code 211.7150 of the Illinois air pollution control rules. These amendments update the definition of to correspond with amendments to the corresponding definition of VOC in the federal regulations at 40 C.F.R. 51.100(s) that the United States Environmental Protection Agency (USEPA) adopted during the period January 1, 2012 through June 30, 2012. During this period, USEPA amended its definition of VOC as follows:

R13-1 Federal wastewater pretreatment amendments that occurred during the period January 1, 2012 through June 30, 2012.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

Tables appear in the Board's opinion and order of January 24, 2013 in docket R13-1 that list a deviation from the literal text of the federal amendment and one limited correction that is not based on current federal amendments. Persons interested in the details of those corrections and amendments should refer to the January 24, 2013 opinion and order in docket R13-1.

- 16) Information and questions regarding these adopted amendment shall be directed to:
Please reference consolidated docket R13-1 and direct inquiries to the following person:

Michael J. McCambridge
Staff Attorney
Illinois Pollution Control Board
100 W. Randolph 11-500
Chicago, IL 60601

312/814-6924

Request copies of the Board's opinion and order of January 24, 2013 at 312-814-3620.
Alternatively, you may obtain a copy of the Board's opinion and order from the Internet
at <http://www.ipcb.state.il.us>.

The full text of the Adopted Amendment begins on the next page:

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

TITLE 35: ENVIRONMENTAL PROTECTION
SUBTITLE B: AIR POLLUTION
CHAPTER I: POLLUTION CONTROL BOARD
SUBCHAPTER c: EMISSION STANDARDS AND LIMITATIONS
FOR STATIONARY SOURCES

PART 211
DEFINITIONS AND GENERAL PROVISIONS

SUBPART A: GENERAL PROVISIONS

Section	
211.101	Incorporated and Referenced Materials
211.102	Abbreviations and Conversion Factors

SUBPART B: DEFINITIONS

Section	
211.121	Other Definitions
211.122	Definitions (Repealed)
211.130	Accelacota
211.150	Accumulator
211.170	Acid Gases
211.200	Acrylonitrile Butadiene Styrene (ABS) Welding
211.210	Actual Heat Input
211.230	Adhesive
211.233	Adhesion Primer
211.235	Adhesive Primer
211.240	Adhesion Promoter
211.250	Aeration
211.260	Aerosol Adhesive and Adhesive Primer
211.270	Aerosol Can Filling Line
211.290	Afterburner
211.310	Air Contaminant
211.330	Air Dried Coatings
211.350	Air Oxidation Process
211.370	Air Pollutant
211.390	Air Pollution
211.410	Air Pollution Control Equipment

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

211.430	Air Suspension Coater/Dryer
211.450	Airless Spray
211.470	Air Assisted Airless Spray
211.474	Alcohol
211.479	Allowance
211.481	Ammunition Sealant
211.484	Animal
211.485	Animal Pathological Waste
211.490	Annual Grain Through-Put
211.492	Antifoulant Coating
211.493	Antifouling Sealer/Tie Coat
211.495	Anti-Glare/Safety Coating
211.510	Application Area
211.530	Architectural Coating
211.540	Architectural Structure
211.550	As Applied
211.560	As-Applied Fountain Solution
211.570	Asphalt
211.590	Asphalt Prime Coat
211.610	Automobile
211.630	Automobile or Light-Duty Truck Assembly Source or Automobile or Light-Duty Truck Manufacturing Plant
211.650	Automobile or Light-Duty Truck Refinishing
211.660	Automotive/Transportation Plastic Parts
211.665	Auxiliary Boiler
211.670	Baked Coatings
211.680	Bakery Oven
211.685	Basecoat/Clearcoat System
211.690	Batch Loading
211.695	Batch Operation
211.696	Batch Process Train
211.710	Bead-Dipping
211.715	Bedliner
211.730	Binders
211.735	Black Coating
211.740	Brakehorsepower (rated-bhp)
211.750	British Thermal Unit
211.770	Brush or Wipe Coating
211.790	Bulk Gasoline Plant

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

211.810	Bulk Gasoline Terminal
211.820	Business Machine Plastic Parts
211.825	Camouflage Coating
211.830	Can
211.850	Can Coating
211.870	Can Coating Line
211.880	Cap Sealant
211.890	Capture
211.910	Capture Device
211.930	Capture Efficiency
211.950	Capture System
211.953	Carbon Adsorber
211.954	Cavity Wax
211.955	Cement
211.960	Cement Kiln
211.965	Ceramic Tile Installation Adhesive
211.970	Certified Investigation
211.980	Chemical Manufacturing Process Unit
211.990	Choke Loading
211.995	Circulating Fluidized Bed Combustor
211.1000	Class II Finish
211.1010	Clean Air Act
211.1050	Cleaning and Separating Operation
211.1070	Cleaning Materials
211.1090	Clear Coating
211.1110	Clear Topcoat
211.1120	Clinker
211.1128	Closed Molding
211.1130	Closed Purge System
211.1150	Closed Vent System
211.1170	Coal Refuse
211.1190	Coating
211.1210	Coating Applicator
211.1230	Coating Line
211.1250	Coating Plant
211.1270	Coil Coating
211.1290	Coil Coating Line
211.1310	Cold Cleaning
211.1312	Combined Cycle System

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

211.1315	Combustion Tuning
211.1316	Combustion Turbine
211.1320	Commence Commercial Operation
211.1324	Commence Operation
211.1328	Common Stack
211.1330	Complete Combustion
211.1350	Component
211.1370	Concrete Curing Compounds
211.1390	Concentrated Nitric Acid Manufacturing Process
211.1410	Condensate
211.1430	Condensable PM-10
211.1435	Container Glass
211.1455	Contact Adhesive
211.1465	Continuous Automatic Stoking
211.1467	Continuous Coater
211.1470	Continuous Process
211.1490	Control Device
211.1510	Control Device Efficiency
211.1515	Control Period
211.1520	Conventional Air Spray
211.1530	Conventional Soybean Crushing Source
211.1550	Conveyorized Degreasing
211.1560	Cove Base
211.1565	Cove Base Installation Adhesive
211.1570	Crude Oil
211.1590	Crude Oil Gathering
211.1610	Crushing
211.1630	Custody Transfer
211.1650	Cutback Asphalt
211.1655	Cyanoacrylate Adhesive
211.1670	Daily-Weighted Average VOM Content
211.1690	Day
211.1700	Deadener
211.1710	Degreaser
211.1730	Delivery Vessel
211.1740	Diesel Engine
211.1745	Digital Printing
211.1750	Dip Coating
211.1770	Distillate Fuel Oil

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

211.1780	Distillation Unit
211.1790	Drum
211.1810	Dry Cleaning Operation or Dry Cleaning Facility
211.1830	Dump-Pit Area
211.1850	Effective Grate Area
211.1870	Effluent Water Separator
211.1872	Ejection Cartridge Sealant
211.1875	Elastomeric Materials
211.1876	Electric Dissipating Coating
211.1877	Electric-Insulating Varnish
211.1878	Electrical Apparatus Component
211.1880	Electrical Switchgear Compartment Coating
211.1882	Electrodeposition Primer (EDP)
211.1883	Electromagnetic Interference/Radio Frequency Interference (EMI/RFI) Shielding Coatings
211.1885	Electronic Component
211.1890	Electrostatic Bell or Disc Spray
211.1900	Electrostatic Prep Coat
211.1910	Electrostatic Spray
211.1920	Emergency or Standby Unit
211.1930	Emission Rate
211.1950	Emission Unit
211.1970	Enamel
211.1990	Enclose
211.2010	End Sealing Compound Coat
211.2030	Enhanced Under-the-Cup Fill
211.2040	Etching Filler
211.2050	Ethanol Blend Gasoline
211.2055	Ethylene Propylenediene Monomer (DPDM) Roof Membrane
211.2070	Excess Air
211.2080	Excess Emissions
211.2090	Excessive Release
211.2110	Existing Grain-Drying Operation (Repealed)
211.2130	Existing Grain-Handling Operation (Repealed)
211.2150	Exterior Base Coat
211.2170	Exterior End Coat
211.2190	External Floating Roof
211.2200	Extreme High-Gloss Coating
211.2210	Extreme Performance Coating

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

211.2230	Fabric Coating
211.2250	Fabric Coating Line
211.2270	Federally Enforceable Limitations and Conditions
211.2285	Feed Mill
211.2290	Fermentation Time
211.2300	Fill
211.2310	Final Repair Coat
211.2320	Finish Primer Surfacer
211.2330	Firebox
211.2350	Fixed-Roof Tank
211.2355	Flare
211.2357	Flat Glass
211.2358	Flat Wood Paneling
211.2359	Flat Wood Paneling Coating Line
211.2360	Flexible Coating
211.2365	Flexible Operation Unit
211.2368	Flexible Packaging
211.2369	Flexible Vinyl
211.2370	Flexographic Printing
211.2390	Flexographic Printing Line
211.2410	Floating Roof
211.2415	Fog Coat
211.2420	Fossil Fuel
211.2425	Fossil Fuel-Fired
211.2430	Fountain Solution
211.2450	Freeboard Height
211.2470	Fuel Combustion Emission Unit or Fuel Combustion Emission Source
211.2490	Fugitive Particulate Matter
211.2510	Full Operating Flowrate
211.2525	Gasket/Gasket Sealing Material
211.2530	Gas Service
211.2550	Gas/Gas Method
211.2570	Gasoline
211.2590	Gasoline Dispensing Operation or Gasoline Dispensing Facility
211.2610	Gel Coat
211.2615	General Work Surface
211.2620	Generator
211.2622	Glass Bonding Primer
211.2625	Glass Melting Furnace

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

211.2630	Gloss Reducers
211.2650	Grain
211.2670	Grain-Drying Operation
211.2690	Grain-Handling and Conditioning Operation
211.2710	Grain-Handling Operation
211.2730	Green-Tire Spraying
211.2750	Green Tires
211.2770	Gross Heating Value
211.2790	Gross Vehicle Weight Rating
211.2800	Hardwood Plywood
211.2810	Heated Airless Spray
211.2815	Heat Input
211.2820	Heat Input Rate
211.2825	Heat-Resistant Coating
211.2830	Heatset
211.2840	Heatset Web Letterpress Printing Line
211.2850	Heatset Web Offset Lithographic Printing Line
211.2870	Heavy Liquid
211.2890	Heavy Metals
211.2910	Heavy Off-Highway Vehicle Products
211.2930	Heavy Off-Highway Vehicle Products Coating
211.2950	Heavy Off-Highway Vehicle Products Coating Line
211.2955	High Bake Coating
211.2956	High Build Primer Surfacer
211.2958	High Gloss Coating
211.2960	High-Performance Architectural Coating
211.2965	High Precision Optic
211.2970	High Temperature Aluminum Coating
211.2980	High Temperature Coating
211.2990	High Volume Low Pressure (HVLP) Spray
211.3010	Hood
211.3030	Hot Well
211.3050	Housekeeping Practices
211.3070	Incinerator
211.3090	Indirect Heat Transfer
211.3095	Indoor Floor Covering Installation Adhesive
211.3100	Industrial Boiler
211.3110	Ink
211.3120	In-Line Repair

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

211.3130	In-Process Tank
211.3150	In-Situ Sampling Systems
211.3170	Interior Body Spray Coat
211.3190	Internal-Floating Roof
211.3210	Internal Transferring Area
211.3215	Janitorial Cleaning
211.3230	Lacquers
211.3240	Laminate
211.3250	Large Appliance
211.3270	Large Appliance Coating
211.3290	Large Appliance Coating Line
211.3300	Lean-Burn Engine
211.3305	Letterpress Printing Line
211.3310	Light Liquid
211.3330	Light-Duty Truck
211.3350	Light Oil
211.3355	Lime Kiln
211.3370	Liquid/Gas Method
211.3390	Liquid-Mounted Seal
211.3410	Liquid Service
211.3430	Liquids Dripping
211.3450	Lithographic Printing Line
211.3470	Load-Out Area
211.3475	Load Shaving Unit
211.3480	Loading Event
211.3483	Long Dry Kiln
211.3485	Long Wet Kiln
211.3487	Low-NO _x Burner
211.3490	Low Solvent Coating
211.3500	Lubricating Oil
211.3505	Lubricating Wax/Compound
211.3510	Magnet Wire
211.3530	Magnet Wire Coating
211.3550	Magnet Wire Coating Line
211.3555	Maintenance Cleaning
211.3570	Major Dump Pit
211.3590	Major Metropolitan Area (MMA)
211.3610	Major Population Area (MPA)
211.3620	Manually Operated Equipment

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

211.3630	Manufacturing Process
211.3650	Marine Terminal
211.3660	Marine Vessel
211.3665	Mask Coating
211.3670	Material Recovery Section
211.3690	Maximum Theoretical Emissions
211.3695	Maximum True Vapor Pressure
211.3705	Medical Device
211.3707	Medical Device and Pharmaceutical Manufacturing
211.3710	Metal Furniture
211.3730	Metal Furniture Coating
211.3750	Metal Furniture Coating Line
211.3760	Metallic Coating
211.3770	Metallic Shoe-Type Seal
211.3775	Metal to Urethane/Rubber Molding or Casting Adhesive
211.3780	Mid-Kiln Firing
211.3785	Military Specification Coating
211.3790	Miscellaneous Fabricated Product Manufacturing Process
211.3810	Miscellaneous Formulation Manufacturing Process
211.3820	Miscellaneous Industrial Adhesive Application Operation
211.3830	Miscellaneous Metal Parts and Products
211.3850	Miscellaneous Metal Parts and Products Coating
211.3870	Miscellaneous Metal Parts or Products Coating Line
211.3890	Miscellaneous Organic Chemical Manufacturing Process
211.3910	Mixing Operation
211.3915	Mobile Equipment
211.3925	Mold Seal Coating
211.3930	Monitor
211.3950	Monomer
211.3960	Motor Vehicles
211.3961	Motor Vehicle Adhesive
211.3965	Motor Vehicle Refinishing
211.3966	Motor Vehicle Weatherstrip Adhesive
211.3967	Mouth Waterproofing Sealant
211.3968	Multi-Colored Coating
211.3969	Multi-Component Coating
211.3970	Multiple Package Coating
211.3975	Multipurpose Construction Adhesive
211.3980	Nameplate Capacity

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

211.3985	Natural Finish Hardwood Plywood Panel
211.3990	New Grain-Drying Operation (Repealed)
211.4010	New Grain-Handling Operation (Repealed)
211.4030	No Detectable Volatile Organic Material Emissions
211.4050	Non-Contact Process Water Cooling Tower
211.4052	Non-Convertible Coating
211.4055	Non-Flexible Coating
211.4065	Non-Heatset
211.4067	NO _x Trading Program
211.4070	Offset
211.4080	One-Component Coating
211.4090	One Hundred Percent Acid
211.4110	One-Turn Storage Space
211.4130	Opacity
211.4150	Opaque Stains
211.4170	Open Top Vapor Degreasing
211.4190	Open-Ended Valve
211.4210	Operator of a Gasoline Dispensing Operation or Operator of a Gasoline Dispensing Facility
211.4220	Optical Coating
211.4230	Organic Compound
211.4250	Organic Material and Organic Materials
211.4260	Organic Solvent
211.4270	Organic Vapor
211.4280	Other Glass
211.4285	Outdoor Floor Covering Installation Adhesive
211.4290	Oven
211.4310	Overall Control
211.4330	Overvarnish
211.4350	Owner of a Gasoline Dispensing Operation or Owner of a Gasoline Dispensing Facility
211.4370	Owner or Operator
211.4390	Packaging Rotogravure Printing
211.4410	Packaging Rotogravure Printing Line
211.4430	Pail
211.4450	Paint Manufacturing Source or Paint Manufacturing Plant
211.4455	Pan-Backing Coating
211.4460	Panel
211.4470	Paper Coating

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

211.4490	Paper Coating Line
211.4510	Particulate Matter
211.4530	Parts Per Million (Volume) or PPM (Vol)
211.4540	Perimeter Bonded Sheet Flooring
211.4550	Person
211.4590	Petroleum
211.4610	Petroleum Liquid
211.4630	Petroleum Refinery
211.4650	Pharmaceutical
211.4670	Pharmaceutical Coating Operation
211.4690	Photochemically Reactive Material
211.4710	Pigmented Coatings
211.4730	Plant
211.4735	Plastic
211.4740	Plastic Part
211.4750	Plasticizers
211.4760	Plastic Solvent Welding Adhesive
211.4765	Plastic Solvent Welding Adhesive Primer
211.4768	Pleasure Craft
211.4769	Pleasure Craft Surface Coating
211.4770	PM-10
211.4790	Pneumatic Rubber Tire Manufacture
211.4810	Polybasic Organic Acid Partial Oxidation Manufacturing Process
211.4830	Polyester Resin Material(s)
211.4850	Polyester Resin Products Manufacturing Process
211.4870	Polystyrene Plant
211.4890	Polystyrene Resin
211.4895	Polyvinyl Chloride Plastic (PVC Plastic)
211.4900	Porous Material
211.4910	Portable Grain-Handling Equipment
211.4930	Portland Cement Manufacturing Process Emission Source
211.4950	Portland Cement Process or Portland Cement Manufacturing Plant
211.4960	Potential Electrical Output Capacity
211.4970	Potential to Emit
211.4990	Power Driven Fastener Coating
211.5010	Precoat
211.5012	Prefabricated Architectural Coating
211.5015	Preheater Kiln
211.5020	Preheater/Precalciner Kiln

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

211.5030	Pressure Release
211.5050	Pressure Tank
211.5060	Pressure/Vacuum Relief Valve
211.5061	Pretreatment Coating
211.5062	Pretreatment Wash Primer
211.5065	Primary Product
211.5070	Prime Coat
211.5075	Primer Sealant
211.5080	Primer Sealer
211.5090	Primer Surfacer Coat
211.5110	Primer Surfacer Operation
211.5130	Primers
211.5140	Printed Interior Panel
211.5150	Printing
211.5170	Printing Line
211.5185	Process Emission Source
211.5190	Process Emission Unit
211.5195	Process Heater
211.5210	Process Unit
211.5230	Process Unit Shutdown
211.5245	Process Vent
211.5250	Process Weight Rate
211.5270	Production Equipment Exhaust System
211.5310	Publication Rotogravure Printing Line
211.5330	Purged Process Fluid
211.5335	Radiation Effect Coating
211.5340	Rated Heat Input Capacity
211.5350	Reactor
211.5370	Reasonably Available Control Technology (RACT)
211.5390	Reclamation System
211.5400	Red Coating
211.5410	Refiner
211.5430	Refinery Fuel Gas
211.5450	Refinery Fuel Gas System
211.5470	Refinery Unit or Refinery Process Unit
211.5480	Reflective Argent Coating
211.5490	Refrigerated Condenser
211.5500	Regulated Air Pollutant
211.5510	Reid Vapor Pressure

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

211.5520	Reinforced Plastic Composite
211.5530	Repair
211.5535	Repair Cleaning
211.5550	Repair Coat
211.5570	Repaired
211.5580	Repowering
211.5585	Research and Development Operation
211.5590	Residual Fuel Oil
211.5600	Resist Coat
211.5610	Restricted Area
211.5630	Retail Outlet
211.5640	Rich-Burn Engine
211.5650	Ringelmann Chart
211.5670	Roadway
211.5690	Roll Coater
211.5710	Roll Coating
211.5730	Roll Printer
211.5750	Roll Printing
211.5770	Rotogravure Printing
211.5790	Rotogravure Printing Line
211.5800	Rubber
211.5810	Safety Relief Valve
211.5830	Sandblasting
211.5850	Sanding Sealers
211.5860	Scientific Instrument
211.5870	Screening
211.5875	Screen Printing
211.5880	Screen Printing on Paper
211.5885	Screen Reclamation
211.5890	Sealer
211.5910	Semi-Transparent Stains
211.5930	Sensor
211.5950	Set of Safety Relief Valves
211.5970	Sheet Basecoat
211.5980	Sheet-Fed
211.5985	Sheet Rubber Lining Installation
211.5987	Shock-Free Coating
211.5990	Shotblasting
211.6010	Side-Seam Spray Coat

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

211.6012	Silicone-Release Coating
211.6015	Single-Ply Roof Membrane
211.6017	Single-Ply Roof Membrane Adhesive Primer
211.6020	Single-Ply Roof Membrane Installation and Repair Adhesive
211.6025	Single Unit Operation
211.6030	Smoke
211.6050	Smokeless Flare
211.6060	Soft Coat
211.6063	Solar-Absorbent Coating
211.6065	Solids Turnover Ratio (R_T)
211.6070	Solvent
211.6090	Solvent Cleaning
211.6110	Solvent Recovery System
211.6130	Source
211.6140	Specialty Coatings
211.6145	Specialty Coatings for Motor Vehicles
211.6150	Specialty High Gloss Catalyzed Coating
211.6170	Specialty Leather
211.6190	Specialty Soybean Crushing Source
211.6210	Splash Loading
211.6230	Stack
211.6250	Stain Coating
211.6270	Standard Conditions
211.6290	Standard Cubic Foot (scf)
211.6310	Start-Up
211.6330	Stationary Emission Source
211.6350	Stationary Emission Unit
211.6355	Stationary Gas Turbine
211.6360	Stationary Reciprocating Internal Combustion Engine
211.6370	Stationary Source
211.6390	Stationary Storage Tank
211.6400	Stencil Coat
211.6405	Sterilization Indicating Ink
211.6410	Storage Tank or Storage Vessel
211.6420	Strippable Spray Booth Coating
211.6425	Stripping
211.6427	Structural Glazing
211.6430	Styrene Devolatilizer Unit
211.6450	Styrene Recovery Unit

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

211.6460	Subfloor
211.6470	Submerged Loading Pipe
211.6490	Substrate
211.6510	Sulfuric Acid Mist
211.6530	Surface Condenser
211.6535	Surface Preparation
211.6540	Surface Preparation Materials
211.6550	Synthetic Organic Chemical or Polymer Manufacturing Plant
211.6570	Tablet Coating Operation
211.6580	Texture Coat
211.6585	Thin Metal Laminating Adhesive
211.6587	Thin Particleboard
211.6590	Thirty-Day Rolling Average
211.6610	Three-Piece Can
211.6620	Three or Four Stage Coating System
211.6630	Through-the-Valve Fill
211.6635	Tileboard
211.6640	Tire Repair
211.6650	Tooling Resin
211.6670	Topcoat
211.6690	Topcoat Operation
211.6695	Topcoat System
211.6710	Touch-Up
211.6720	Touch-Up Coating
211.6730	Transfer Efficiency
211.6740	Translucent Coating
211.6750	Tread End Cementing
211.6770	True Vapor Pressure
211.6780	Trunk Interior Coating
211.6790	Turnaround
211.6810	Two-Piece Can
211.6825	Underbody Coating
211.6830	Under-the-Cup Fill
211.6850	Undertread Cementing
211.6860	Uniform Finish Blender
211.6870	Unregulated Safety Relief Valve
211.6880	Vacuum Metallizing
211.6885	Vacuum Metalizing Coating
211.6890	Vacuum Producing System

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

211.6910	Vacuum Service
211.6930	Valves Not Externally Regulated
211.6950	Vapor Balance System
211.6970	Vapor Collection System
211.6990	Vapor Control System
211.7010	Vapor-Mounted Primary Seal
211.7030	Vapor Recovery System
211.7050	Vapor-Suppressed Polyester Resin
211.7070	Vinyl Coating
211.7090	Vinyl Coating Line
211.7110	Volatile Organic Liquid (VOL)
211.7130	Volatile Organic Material Content (VOMC)
211.7150	Volatile Organic Material (VOM) or Volatile Organic Compound (VOC)
211.7170	Volatile Petroleum Liquid
211.7190	Wash Coat
211.7200	Washoff Operations
211.7210	Wastewater (Oil/Water) Separator
211.7220	Waterproof Resorcinol Glue
211.7230	Weak Nitric Acid Manufacturing Process
211.7240	Weatherstrip Adhesive
211.7250	Web
211.7270	Wholesale Purchase – Consumer
211.7290	Wood Furniture
211.7310	Wood Furniture Coating
211.7330	Wood Furniture Coating Line
211.7350	Woodworking
211.7400	Yeast Percentage

211.APPENDIX A Rule into Section Table

211.APPENDIX B Section into Rule Table

AUTHORITY: Implementing Sections 9, 9.1, 9.9 and 10 and authorized by Sections 27 of the Environmental Protection Act [415 ILCS 5/9, 9.1, 9.9, 10, and 27].

SOURCE: Adopted as Chapter 2: Air Pollution, Rule 201: Definitions, R71-23, 4 PCB 191, filed and effective April 14, 1972; amended in R74-2 and R75-5, 32 PCB 295, at 3 Ill. Reg. 5, p. 777, effective February 3, 1979; amended in R78-3 and 4, 35 PCB 75 and 243, at 3 Ill. Reg. 30, p. 124, effective July 28, 1979; amended in R80-5, at 7 Ill. Reg. 1244, effective January 21, 1983; codified at 7 Ill. Reg. 13590; amended in R82-1 (Docket A) at 10 Ill. Reg. 12624, effective

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

July 7, 1986; amended in R85-21(A) at 11 Ill. Reg. 11747, effective June 29, 1987; amended in R86-34 at 11 Ill. Reg. 12267, effective July 10, 1987; amended in R86-39 at 11 Ill. Reg. 20804, effective December 14, 1987; amended in R82-14 and R86-37 at 12 Ill. Reg. 787, effective December 24, 1987; amended in R86-18 at 12 Ill. Reg. 7284, effective April 8, 1988; amended in R86-10 at 12 Ill. Reg. 7621, effective April 11, 1988; amended in R88-23 at 13 Ill. Reg. 10862, effective June 27, 1989; amended in R89-8 at 13 Ill. Reg. 17457, effective January 1, 1990; amended in R89-16(A) at 14 Ill. Reg. 9141, effective May 23, 1990; amended in R88-30(B) at 15 Ill. Reg. 5223, effective March 28, 1991; amended in R88-14 at 15 Ill. Reg. 7901, effective May 14, 1991; amended in R91-10 at 15 Ill. Reg. 15564, effective October 11, 1991; amended in R91-6 at 15 Ill. Reg. 15673, effective October 14, 1991; amended in R91-22 at 16 Ill. Reg. 7656, effective May 1, 1992; amended in R91-24 at 16 Ill. Reg. 13526, effective August 24, 1992; amended in R93-9 at 17 Ill. Reg. 16504, effective September 27, 1993; amended in R93-11 at 17 Ill. Reg. 21471, effective December 7, 1993; amended in R93-14 at 18 Ill. Reg. 1253, effective January 18, 1994; amended in R94-12 at 18 Ill. Reg. 14962, effective September 21, 1994; amended in R94-14 at 18 Ill. Reg. 15744, effective October 17, 1994; amended in R94-15 at 18 Ill. Reg. 16379, effective October 25, 1994; amended in R94-16 at 18 Ill. Reg. 16929, effective November 15, 1994; amended in R94-21, R94-31 and R94-32 at 19 Ill. Reg. 6823, effective May 9, 1995; amended in R94-33 at 19 Ill. Reg. 7344, effective May 22, 1995; amended in R95-2 at 19 Ill. Reg. 11066, effective July 12, 1995; amended in R95-16 at 19 Ill. Reg. 15176, effective October 19, 1995; amended in R96-5 at 20 Ill. Reg. 7590, effective May 22, 1996; amended in R96-16 at 21 Ill. Reg. 2641, effective February 7, 1997; amended in R97-17 at 21 Ill. Reg. 6489, effective May 16, 1997; amended in R97-24 at 21 Ill. Reg. 7695, effective June 9, 1997; amended in R96-17 at 21 Ill. Reg. 7856, effective June 17, 1997; amended in R97-31 at 22 Ill. Reg. 3497, effective February 2, 1998; amended in R98-17 at 22 Ill. Reg. 11405, effective June 22, 1998; amended in R01-9 at 25 Ill. Reg. 108, effective December 26, 2000; amended in R01-11 at 25 Ill. Reg. 4582, effective March 15, 2001; amended in R01-17 at 25 Ill. Reg. 5900, effective April 17, 2001; amended in R05-16 at 29 Ill. Reg. 8181, effective May 23, 2005; amended in R05-11 at 29 Ill. Reg. 8892, effective June 13, 2005; amended in R04-12/20 at 30 Ill. Reg. 9654, effective May 15, 2006; amended in R07-18 at 31 Ill. Reg. 14254, effective September 25, 2007; amended in R08-6 at 32 Ill. Reg. 1387, effective January 16, 2008; amended in R07-19 at 33 Ill. Reg. 11982, effective August 6, 2009; amended in R08-19 at 33 Ill. Reg. 13326, effective August 31, 2009; amended in R10-7 at 34 Ill. Reg. 1391, effective January 11, 2010; amended in R10-8 at 34 Ill. Reg. 9069, effective June 25, 2010; amended in R10-20 at 34 Ill. Reg. 14119, effective September 14, 2010; amended in R11-23 at 35 Ill. Reg. 13451, effective July 27, 2011; amended in R13-1 at 37 Ill. Reg. 1913, effective February 4, 2013.

SUBPART B: DEFINITIONS

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

Section 211.7150 Volatile Organic Material (VOM) or Volatile Organic Compound (VOC)

"Volatile organic material" (also "VOM") or "volatile organic compound" (also "VOC") means any compound of carbon, excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate, that participates in atmospheric photochemical reactions.

- a) This definition of VOM includes any organic compound that participates in atmospheric photochemical reactions, other than the compounds listed in this subsection (a). USEPA has determined that the compounds listed in this subsection (a) have negligible photochemical reactivity. USEPA has excluded the listed negligibly-reactive compounds from the definition of VOM for purposes of VOM limitations or VOM content requirements. However, USEPA has required that certain of these compounds be considered VOM for purposes of recordkeeping, emissions reporting, and inventory requirements, as described in subsection (e) of this Section.

Acetone (2-propanone or dimethylketone)
tertiary-Butyl acetate
1-Chloro-1,1-difluoroethane (HCFC-142b)
Chlorodifluoromethane (CFC-22)
1-Chloro-1-fluoroethane (HCFC-151a)
2-Chloro-1,1,1,2-tetrafluoroethane (HCFC-124)
Chlorofluoromethane (HCFC-31)
Chloropentafluoroethane (CFC-115)
1,1,1,2,2,3,4,5,5,5-Decafluoro-3-methoxy-4-trifluoromethyl-pentane
(HFE-7300, L-14787, or $C_2F_5CF(OCH_3)CF(CF_3)_2$)
1,1,1,2,3,4,4,5,5,5-Decafluoropentane (HFC 43-10mee)
Dichlorodifluoromethane (CFC-12)
1,1-Dichloro-1-fluoroethane (HCFC-141b)
3,3-Dichloro-1,1,1,2,2-pentafluoropropane (HCFC-225ca)
1,3-Dichloro-1,1,2,2,3-pentafluoropropane (HCFC-225cb)
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC-114)
1,2-Dichloro-1,1,2-trifluoroethane (HCFC-123a)
1,1-Difluoroethane (HFC-152a)
Difluoromethane (HFC-32)
2-(Difluoromethoxymethyl)-1,1,1,2,3,3,3-heptafluoropropane
($(CF_3)_2CFCF_2OCH_3$)
Dimethyl carbonate

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

Ethane

2-(Ethoxydifluoromethyl)-1,1,1,2,3,3,3-heptafluoropropane
((CF₃)₂CFCF₂OC₂H₅)

Ethylfluoride (HFC-161)

1-Ethoxy-1,1,2,2,3,3,4,4,4-nonafluorobutane (C₄F₉OC₂H₅ or HFE-7200)

3-Ethoxy-1,1,1,2,3,4,4,5,5,6,6,6-dodecafluoro-2-(trifluoromethyl)hexane
(HFE-7500)

1,1,1,2,2,3,3-Heptafluoro-3-methoxypropane (n-C₃F₇OCH₃ or HFE-7000)

1,1,1,2,3,3,3-Heptafluoropropane (HFC-227ea)

1,1,1,2,3,3,3-Hexafluoropropane (HFC-236ea)

1,1,1,3,3,3-Hexafluoropropane (HFC-236fa)

Methane

Methyl acetate

Methylene chloride (dichloromethane)

Methyl formate (HCOOCH₃)

1,1,1,2,2,3,3,4,4-Nonafluoro-4-methoxybutane (C₄F₉OCH₃ or HFE-7100)

Parachlorobenzotrifluoride (PCBTF)

1,1,1,3,3-Pentafluorobutane (HFC-365mfc)

Pentafluoroethane (HFC-125)

1,1,2,2,3-Pentafluoropropane (HFC-245ca)

1,1,2,3,3-Pentafluoropropane (HFC-245ea)

1,1,1,2,3-Pentafluoropropane (HFC-245eb)

1,1,1,3,3-Pentafluoropropane (HFC-245fa)

Perchloroethylene (tetrachloroethylene)

Perfluorocarbon compounds that fall into the following classes:

Cyclic, branched, or linear, completely fluorinated alkanes

Cyclic, branched, or linear, completely fluorinated ethers with no
unsaturations

Cyclic, branched, or linear, completely fluorinated tertiary amines
with no unsaturations

Sulfur-containing perfluorocarbons with no unsaturations and with
sulfur bonds only to carbon and fluorine

Propylene carbonate (4-methyl-1,3-dioxolan-2-one)

Siloxanes: cyclic, branched, or linear completely-methylated

1,1,2,2-Tetrafluoroethane (HFC-134)

1,1,1,2-Tetrafluoroethane (HFC-134a)

[trans-1,3,3,3-Tetrafluoropropene \(HFO-1234ze\)](#)

1,1,1-Trichloroethane (methyl chloroform)

Trichlorofluoromethane (CFC-11)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

1,1,2-Trichloro-1,2,2-trifluoroethane (CFC-113)
1,1,1-Trifluoro-2,2-dichloroethane (HCFC-123)
1,1,1-Trifluoroethane (HFC-143a)
Trifluoromethane (HFC-23)

- b) For purposes of determining VOM emissions and compliance with emissions limits, VOM will be measured by the test methods in the approved implementation plan or 40 CFR 60, Appendix A, incorporated by reference at 35 Ill. Adm. Code 215.105, 218.112, and 219.112, as applicable, or by source-specific test methods that have been established pursuant to a permit issued under a program approved or promulgated under Title V of the Clean Air Act; under 40 CFR 51, Subpart I or Appendix S, incorporated by reference at 35 Ill. Adm. Code 218.112 and 219.112; or under 40 CFR 52.21, incorporated by reference at 35 Ill. Adm. Code 218.112 and 219.112, as applicable. Where such a method also measures compounds with negligible photochemical reactivity, these negligibly-reactive compounds may be excluded as VOM if the amount of such compounds is accurately quantified and the exclusion is approved by the Agency.
- c) As a precondition to excluding these negligibly-reactive compounds as VOM, or at any time thereafter, the Agency may require an owner or operator to provide monitoring or testing methods and results demonstrating, to the satisfaction of the Agency, the amount of negligibly-reactive compounds in the source's emissions.
- d) The USEPA will not be bound by any State determination as to appropriate methods for testing or monitoring negligibly-reactive compounds if such determination is not reflected in any of the test methods in subsection (b) above.
- e) The following compound is VOM for the purposes of all recordkeeping, emissions reporting, photochemical dispersion modeling and inventory requirements that apply to VOM, and it must be uniquely identified in emission reports, but it is not VOM for the purposes of VOM emissions limitations or VOM content requirements: t-butyl acetate.

(Source: Amended at 37 Ill. Reg. 1913, effective February 4, 2013)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- 1) Heading of the Part: Sewer Discharge Criteria
- 2) Code Citation: 35 Ill. Adm. Code 307
- 3)

<u>Section Numbers:</u>	<u>Adopted Action:</u>
307.2201	Amended
307.3301	Amended
307.3906	Amended
307.3907	Amended
307.3908	Amended
307.4000	Amended
- 4) Statutory Authority: 415 ILCS 5/7.2, 13, 13.3 and 27
- 5) Effective date of rulemaking: February 4, 2013
- 6) Does this rulemaking contain an automatic repeal date? No
- 7) Does this rulemaking contain incorporations by reference? Yes. The Illinois wastewater pretreatment regulations in Part 307 incorporate by reference several of the federal categorical pretreatment standards. The current amendments incorporate federal revisions and update various federal standards to the latest version available.
- 8) Statement of availability: The adopted amendments, a copy of the Board's opinion and order adopted January 24, 2013 in docket R13-7, and all materials incorporated by reference are on file at the Board's principal office and are available for public inspection and copying.
- 9) Notice of Proposal Published in the *Illinois Register*: November 26, 2012; 36 Ill. Reg. 16436
- 10) Has JCAR issued a Statement of Objection to these rules? No. Section 13.3 of the Environmental Protection Act [415 ILCS 5/13.3] provides that Section 5-35 of the Administrative Procedure Act [5 ILCS 100/5-35] does not apply to this rulemaking. Because this rulemaking is not subject to Section 5-35 of the APA, it is not subject to First Notice or to Second Notice review by the Joint Committee on Administrative Rules (JCAR).

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- 11) Differences between the Proposal and the Final Version: A table that appears in the Board's opinion and order of January 24, 2013 in docket R13-7 summarizes the differences between the amendments adopted in that order and those proposed by the Board in an opinion and order dated October 18, 2012, in docket R13-7. Many of the differences are explained in greater detail in the Board's opinion and order adopting the amendments.

The differences are limited to minor corrections in grammar and punctuation and updating *Code of Federal Regulations* citations to the latest edition available. This includes the addition of 35 Ill. Adm. Code 307.3906, 307.3907, and 307.3908 to amend the Section headings to correspond with revisions to the table of contents for Part 307 suggested by JCAR. The changes are intended to have no substantive effect. The intent is to add clarity to the rules without deviation from the substance of the federal amendments on which this proceeding is based.

- 12) Have all the changes agreed upon by the Board and JCAR been made as indicated in the agreements issued by JCAR? Section 13.3 of the Environmental Protection Act [415 ILCS 5/13.3] provides that Section 5-35 of the Administrative Procedure Act [5 ILCS 100/5-35] does not apply to this rulemaking. Because this rulemaking is not subject to Section 5-35 of the APA, it is not subject to First Notice or to Second Notice review by JCAR.

Since the Notices of Proposed Amendments appeared in the November 25, 2012 issue of the *Illinois Register*, the Board received a number of suggestions for revisions from JCAR. The Board evaluated each suggestion and incorporated a number of changes into the text as a result, as detailed in the opinion and order of January 24, 2013 in docket R13-7, as indicated in item 11 above. See the January 24, 2013 opinion and order in docket R13-7 for additional details on the JCAR suggestions and the Board actions with regard to each. One table in that opinion itemizes the changes made in response to various suggestions. Another table indicates JCAR suggestions not incorporated into the text, with a brief explanation for each.

- 13) Will this rulemaking replace any emergency amendments currently in effect? No
- 14) Are there any other amendments pending on this Part? No
- 15) Summary and purpose of Amendments: The following briefly describes the subjects and issues involved in the docket R13-7 rulemaking of which the amendments to Part 307 are a single segment. Also affected is 35 Ill. Adm. Code 310, which is covered by a separate

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

notice in this issue of the Illinois Register. A comprehensive description is contained in the Board's opinion and order of January 24, 2013, adopting amendments in docket R13-7, which opinion and order is available from the address below.

This proceeding updates the Illinois wastewater pretreatment rules to correspond with amendments adopted by the United States Environmental Protection Agency (USEPA) that appeared in the Federal Register during a single update period. The docket and time period that is involved in this proceeding is the following:

R13-7 Federal wastewater pretreatment amendments that occurred during the period January 1, 2012 through June 30, 2012.

The R13-7 docket amends rules in Parts 307 and 310. The amendments to the various Parts are inter-related. The following table briefly summarizes the single federal action in the update period:

May 18, 2012 (at 77 Fed. Reg. 29758)

USEPA modified the testing procedures approved for sampling and analysis in programs established under the CWA. The wastewater pretreatment rules are established under CWA. The amendments updated the versions allowed for existing methods and approved new methods for use.

Specifically, the amendments to Part 307 implement segments of the federal amendments of May 18, 2012. The amendments update the incorporations by reference relating to USEPA-approved analytical methods for use in demonstrating compliance. The Board has included a limited number of corrections and clarifying amendments that are not directly derived from the instant federal amendments.

Tables appear in the Board's opinion and order of January 24, 2013 in docket R13-7 that list numerous corrections and amendments that are not based on current federal amendments. The tables contain deviations from the literal text of the federal amendments underlying these amendments, as well as corrections and clarifications that the Board made in the base text involved. Persons interested in the details of those corrections and amendments should refer to the January 24, 2013 opinion and order in docket R13-7.

- 16) Information and questions regarding these adopted amendments shall be directed to:
Please reference consolidated docket R13-7 and direct inquiries to the following person:

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Michael J. McCambridge
Staff Attorney
Illinois Pollution Control Board
100 W. Randolph 11-500
Chicago, IL 60601

312/814-6924

Request copies of the Board's opinion and order of January 24, 2013 at 312-814-3620.
Alternatively, you may obtain a copy of the Board's opinion and order from the Internet
at <http://www.ipcb.state.il.us>.

The full text of the Adopted Amendments begins on the next page:

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

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

PART 307
SEWER DISCHARGE CRITERIA

SUBPART A: GENERAL PROVISIONS

Section	
307.101	Preamble (Renumbered)
307.102	General Requirements (Renumbered)
307.103	Mercury (Renumbered)
307.104	Cyanide (STORET number 00720) (Renumbered)
307.105	Pretreatment Requirements (Repealed)
307.1001	Preamble
307.1002	Definitions
307.1003	Test Procedures for Measurement
307.1005	Toxic Pollutants
307.1006	Electronic Reporting

SUBPART B: GENERAL AND SPECIFIC PRETREATMENT REQUIREMENTS

Section	
307.1101	General and Specific Requirements
307.1102	Mercury
307.1103	Cyanide

SUBPART F: DAIRY PRODUCTS PROCESSING

Section	
307.1501	Receiving Stations
307.1502	Fluid Products
307.1503	Cultured Products
307.1504	Butter
307.1505	Cottage Cheese and Cultured Cream Cheese
307.1506	Natural and Processed Cheese
307.1507	Fluid Mix for Ice Cream and other Frozen Desserts
307.1508	Ice Cream, Frozen Desserts, Novelties, and Other Dairy Desserts

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- 307.1509 Condensed Milk
- 307.1510 Dry Milk
- 307.1511 Condensed Whey
- 307.1512 Dry Whey

SUBPART G: GRAIN MILLS

Section

- 307.1601 Corn Wet Milling
- 307.1602 Corn Dry Milling
- 307.1603 Normal Wheat Flour Milling
- 307.1604 Bulgur Wheat Flour Milling
- 307.1605 Normal Rice Milling
- 307.1606 Parboiled Rice Milling
- 307.1607 Animal Feed
- 307.1608 Hot Cereal
- 307.1609 Ready-to-Eat Cereal
- 307.1610 Wheat Starch and Gluten

SUBPART H: CANNED AND PRESERVED FRUITS AND VEGETABLES

Section

- 307.1700 General Provisions
- 307.1701 Apple Juice
- 307.1702 Apple Products
- 307.1703 Citrus Products
- 307.1704 Frozen Potato Products
- 307.1705 Dehydrated Potato Products
- 307.1706 Canned and Preserved Fruits
- 307.1707 Canned and Preserved Vegetables
- 307.1708 Canned and Miscellaneous Specialties

SUBPART I: CANNED AND PRESERVED SEAFOOD

Section

- 307.1801 Farm-Raised Catfish
- 307.1815 Fish Meal Processing Subcategory

SUBPART J: SUGAR PROCESSING

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Section

- 307.1901 Beet Sugar Processing
- 307.1902 Crystalline Cane Sugar Refining
- 307.1903 Liquid Cane Sugar Refining

SUBPART K: TEXTILE MILLS

Section

- 307.2000 General Provisions
- 307.2001 Wool Scouring
- 307.2002 Wool Finishing
- 307.2003 Low Water Use Processing
- 307.2004 Woven Fabric Finishing
- 307.2005 Knit Fabric Finishing
- 307.2006 Carpet Finishing
- 307.2007 Stock and Yarn Finishing
- 307.2008 Nonwoven Manufacturing
- 307.2009 Felted Fabric Processing

SUBPART L: CEMENT MANUFACTURING

Section

- 307.2101 Nonleaching
- 307.2102 Leaching
- 307.2103 Materials Storage Piles Runoff

SUBPART M: CONCENTRATED ANIMAL FEEDING OPERATIONS

Section

- 307.2201 General
- 307.2202 Ducks

SUBPART N: ELECTROPLATING

Section

- 307.2300 General Provisions
- 307.2301 Electroplating of Common Metals
- 307.2302 Electroplating of Precious Metals

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

307.2304	Anodizing
307.2305	Coatings
307.2306	Chemical Etching and Milling
307.2307	Electroless Plating
307.2308	Printed Circuit Boards

SUBPART O: ORGANIC CHEMICALS, PLASTICS, AND SYNTHETIC FIBERS

Section

307.2400	General Provisions
307.2401	Rayon Fibers
307.2402	Other Fibers
307.2403	Thermoplastic Resins
307.2404	Thermosetting Resins
307.2405	Commodity Organic Chemicals
307.2406	Bulk Organic Chemicals
307.2407	Specialty Organic Chemicals
307.2410	Indirect Discharge Point Sources
307.2490	Non-Complexed Metal-Bearing and Cyanide-Bearing Waste Streams
307.2491	Complexed Metal-Bearing Waste Streams

SUBPART P: INORGANIC CHEMICALS MANUFACTURING

Section

307.2500	General Provisions
307.2501	Aluminum Chloride Production
307.2502	Aluminum Sulfate Production
307.2503	Calcium Carbide Production
307.2504	Calcium Chloride Production
307.2505	Calcium Oxide Production
307.2506	Chlor-Alkali Process (Chlorine and Sodium or Potassium Hydroxide Production)
307.2508	Hydrofluoric Acid Production
307.2509	Hydrogen Peroxide Production
307.2511	Potassium Metal Production
307.2512	Potassium Dichromate Production
307.2513	Potassium Sulfate Production
307.2514	Sodium Bicarbonate Production
307.2516	Sodium Chloride Production
307.2517	Sodium Dichromate and Sodium Sulfate Production

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

307.2520	Sodium Sulfite Production
307.2522	Titanium Dioxide Production
307.2523	Aluminum Fluoride Production
307.2524	Ammonium Chloride Production
307.2527	Borax Production
307.2528	Boric Acid Production
307.2529	Bromine Production
307.2530	Calcium Carbonate Production
307.2531	Calcium Hydroxide Production
307.2533	Carbon Monoxide and Byproduct Hydrogen Production
307.2534	Chrome Pigments Production
307.2535	Chromic Acid Production
307.2536	Copper Salts Production
307.2538	Ferric Chloride Production
307.2540	Fluorine Production
307.2541	Hydrogen Production
307.2542	Hydrogen Cyanide Production
307.2543	Iodine Production
307.2544	Lead Monoxide Production
307.2545	Lithium Carbonate Production
307.2547	Nickel Salts Production
307.2549	Oxygen and Nitrogen Production
307.2550	Potassium Chloride Production
307.2551	Potassium Iodide Production
307.2553	Silver Nitrate Production
307.2554	Sodium Bisulfite Production
307.2555	Sodium Fluoride Production
307.2560	Stannic Oxide Production
307.2563	Zinc Sulfate Production
307.2564	Cadmium Pigments and Salts Production
307.2565	Cobalt Salts Production
307.2566	Sodium Chlorate Production
307.2567	Zinc Chloride Production

SUBPART R: SOAP AND DETERGENTS

Section	
307.2701	Soap Manufacturing by Batch Kettle
307.2702	Fatty Acid Manufacturing by Fat Splitting

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

307.2703	Soap Manufacturing by Fatty Acid Neutralization
307.2704	Glycerine Concentration
307.2705	Glycerine Distillation
307.2706	Manufacture of Soap Flakes and Powders
307.2707	Manufacture of Bar Soaps
307.2708	Manufacture of Liquid Soaps
307.2709	Oleum Sulfonation and Sulfation
307.2710	Air-Sulfur Trioxide Sulfation and Sulfonation
307.2711	Sulfur Trioxide Solvent and Vacuum Sulfonation
307.2712	Sulfamic Acid Sulfation
307.2713	Chlorosulfonic Acid Sulfation
307.2714	Neutralization of Sulfuric Acid Esters and Sulfonic Acids
307.2715	Manufacture of Spray Dried Detergents
307.2716	Manufacture of Liquid Detergents
307.2717	Manufacturing of Detergents by Dry Blending
307.2718	Manufacture of Drum Dried Detergents
307.2719	Manufacture of Detergent Bars and Cakes

SUBPART S: FERTILIZER MANUFACTURING

Section	
307.2801	Phosphate
307.2802	Ammonia
307.2803	Urea
307.2804	Ammonium Nitrate
307.2805	Nitric Acid
307.2806	Ammonium Sulfate Production
307.2807	Mixed and Blend Fertilizer Production

SUBPART T: PETROLEUM REFINING

Section	
307.2901	Topping
307.2902	Cracking
307.2903	Petrochemical
307.2904	Lube
307.2905	Integrated

SUBPART U: IRON AND STEEL MANUFACTURING

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Section

307.3000	General Provisions
307.3001	Cokemaking
307.3002	Sintering
307.3003	Ironmaking
307.3004	Steelmaking
307.3005	Vacuum Degassing
307.3006	Continuous Casting
307.3007	Hot Forming
307.3008	Salt Bath Descaling
307.3009	Acid Pickling
307.3010	Cold Forming
307.3011	Alkaline Cleaning
307.3012	Hot Coating
307.3013	Other Operations

SUBPART V: NONFERROUS METALS MANUFACTURING

Section

307.3100	General Provisions
307.3101	Bauxite Refining
307.3102	Primary Aluminum Smelting
307.3103	Secondary Aluminum Smelting
307.3104	Primary Copper Smelting
307.3105	Primary Electrolytic Copper Refining
307.3106	Secondary Copper
307.3107	Primary Lead
307.3108	Primary Zinc
307.3109	Metallurgical Acid Plants
307.3110	Primary Tungsten
307.3111	Primary Columbium-Tantalum
307.3112	Secondary Silver
307.3113	Secondary Lead
307.3114	Primary Antimony
307.3115	Primary Beryllium
307.3116	Primary and Secondary Germanium and Gallium
307.3117	Secondary Indium
307.3118	Secondary Mercury

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

307.3119	Primary Molybdenum and Rhenium
307.3120	Secondary Molybdenum and Vanadium
307.3121	Primary Nickel and Cobalt
307.3122	Secondary Nickel
307.3123	Primary Precious Metals and Mercury
307.3124	Secondary Precious Metals
307.3125	Primary Rare Earth Metals
307.3126	Secondary Tantalum
307.3127	Secondary Tin
307.3128	Primary and Secondary Titanium
307.3129	Secondary Tungsten and Cobalt
307.3130	Secondary Uranium
307.3131	Primary Zirconium and Hafnium

SUBPART X: STEAM ELECTRIC POWER GENERATING

Section	
307.3301	Steam Electric Power Generating

SUBPART Y: FERROALLOY MANUFACTURING

Section	
307.3401	Open Electric Furnaces With Wet Air Pollution Control Devices
307.3402	Covered Electric Furnaces and Other Smelting Operations with Wet Air Pollution Control Devices
307.3403	Slag Processing
307.3404	Covered Calcium Carbide Furnaces With Wet Air Pollution Control Devices
307.3405	Other Calcium Carbide Furnaces
307.3406	Electrolytic Manganese Products
307.3407	Electrolytic Chromium

SUBPART Z: LEATHER TANNING AND FINISHING

Section	
307.3500	General Provisions
307.3501	Hair Pulp, Chrome Tan, Retan-Wet Finish
307.3502	Hair Save, Chrome Tan, Retan-Wet Finish
307.3503	Hair Save or Pulp, Non-Chrome Tan, Retan-Wet Finish
307.3504	Retan-Wet Finish-Sides

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

307.3505	No Beamhouse
307.3506	Through-the-Blue
307.3507	Shearling
307.3508	Pigskin
307.3509	Retan-Wet Finish-Splits
307.3590	Potassium Ferricyanide Titration Method

SUBPART BA: GLASS MANUFACTURING

Section	
307.3601	Insulation Fiberglass
307.3602	Sheet Glass Manufacturing
307.3603	Rolled Glass Manufacturing
307.3604	Plate Glass Manufacturing
307.3605	Float Glass Manufacturing
307.3606	Automotive Glass Tempering
307.3607	Automotive Glass Laminating
307.3608	Glass Container Manufacturing
307.3610	Glass Tubing (Danner) Manufacturing
307.3611	Television Picture Tube Envelope Manufacturing
307.3612	Incandescent Lamp Envelope Manufacturing
307.3613	Hand Pressed and Blown Glass Manufacturing

SUBPART BB: ASBESTOS MANUFACTURING

Section	
307.3701	Asbestos-Cement Pipe
307.3702	Asbestos-Cement Sheet
307.3703	Asbestos Paper (Starch Binder)
307.3704	Asbestos Paper (Elastomeric Binder)
307.3705	Asbestos Millboard
307.3706	Asbestos Roofing
307.3707	Asbestos Floor Tile
307.3708	Coating or Finishing of Asbestos Textiles
307.3709	Solvent Recovery
307.3710	Vapor Absorption
307.3711	Wet Dust Collection

SUBPART BC: RUBBER MANUFACTURING

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Section

307.3801	Tire and Inner Tube Plants
307.3802	Emulsion Crumb Rubber
307.3803	Solution Crumb Rubber
307.3804	Latex Rubber
307.3805	Small-Sized General Molded, Extruded, and Fabricated Rubber Plants
307.3806	Medium-Sized General Molded, Extruded, and Fabricated Rubber Plants
307.3807	Large-Sized General Molded, Extruded, and Fabricated Rubber Plants
307.3808	Wet Digestion Reclaimed Rubber
307.3809	Pan, Dry Digestion, and Mechanical Reclaimed Rubber
307.3810	Latex-Dipped, Latex-Extruded, and Latex-Molded Rubber
307.3811	Latex Foam

SUBPART BD: TIMBER PRODUCTS PROCESSING

Section

307.3900	General Provisions
307.3901	Barking
307.3902	Veneer
307.3903	Plywood
307.3904	Dry Process Hardboard
307.3905	Wet Process Hardboard
307.3906	Wood Preserving – Water <u>Preserving – Water</u> Borne or Nonpressure
307.3907	Wood Preserving – Steam <u>Preserving – Steam</u>
307.3908	Wood Preserving – Boulton <u>Preserving – Boulton</u>
307.3909	Wet Storage
307.3910	Log Washing
307.3911	Sawmills and Planing Mills
307.3912	Finishing
307.3913	Particleboard Manufacturing
307.3914	Insulation Board
307.3915	Wood Furniture and Fixture Production without Water Wash Spray Booths or without Laundry Facilities
307.3916	Wood Furniture and Fixture Production with Water Wash Spray Booths or with Laundry Facilities

SUBPART BE: PULP, PAPER, AND PAPERBOARD

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Section	
307.4000	General Provisions
307.4001	Dissolving Kraft
307.4002	Bleached Papergrade Kraft and Soda
307.4003	Unbleached Kraft
307.4004	Dissolving Sulfite
307.4005	Papergrade Sulfite
307.4006	Semi-Chemical
307.4007	Mechanical Pulp
307.4008	Non-Wood Chemical Pulp
307.4009	Secondary Fiber Deink
307.4010	Secondary Fiber Non-Deink
307.4011	Fine and Lightweight Papers from Purchased Pulp
307.4012	Tissue, Filter, Non-Woven, and Paperboard from Purchased Pulp
307.4013	Groundwood-Thermo-Mechanical (Repealed)
307.4014	Groundwood-CMN Papers (Repealed)
307.4015	Groundwood-Fine Papers (Repealed)
307.4016	Soda (Repealed)
307.4017	Deink (Repealed)
307.4018	Nonintegrated-Fine Papers (Repealed)
307.4019	Nonintegrated-Tissue Papers (Repealed)
307.4020	Tissue From Wastepaper (Repealed)
307.4021	Papergrade Sulfite (Drum Wash) (Repealed)
307.4022	Unbleached Kraft and Semi-Chemical (Repealed)
307.4023	Wastepaper-Molded Products (Repealed)
307.4024	Nonintegrated-Lightweight Papers (Repealed)
307.4025	Nonintegrated-Filter and Nonwoven Papers (Repealed)
307.4026	Nonintegrated-Paperboard (Repealed)

SUBPART BF: BUILDERS' PAPER AND BOARD MILLS

Section	
307.4101	Builder's Paper and Roofing Felt (Repealed)

SUBPART BG: MEAT PRODUCTS

Section	
307.4201	Simple Slaughterhouse
307.4202	Complex Slaughterhouse

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

307.4203	Low-Processing Packinghouse
307.4204	High-Processing Packinghouse
307.4205	Small Processor
307.4206	Meat Cutter
307.4207	Sausage and Luncheon Meats Processor
307.4208	Ham Processor
307.4209	Canned Meats Processor
307.4210	Renderer

SUBPART BH: METAL FINISHING

Section	
307.4300	General Provisions
307.4301	Metal Finishing

SUBPART BL: CENTRALIZED WASTE TREATMENT

Section	
307.4700	General Provisions
307.4701	Metals Treatment and Recovery
307.4702	Oils Treatment and Recovery
307.4703	Organics Treatment and Recovery
307.4704	Multiple Waste Streams

SUBPART BN: PHARMACEUTICAL MANUFACTURING

Section	
307.4900	General Provisions
307.4901	Fermentation Products
307.4902	Extraction Products
307.4903	Chemical Synthesis Products
307.4904	Mixing/Compounding and Formulation
307.4905	Research (Repealed)

SUBPART BQ: TRANSPORTATION EQUIPMENT CLEANING

Section	
307.5200	General Provisions
307.5201	Tank Trucks and Intermodal Tank Containers Transporting Chemical and

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- Petroleum Cargos
- 307.5202 Rail Tank Cars Transporting Chemical and Petroleum Cargos
- 307.5203 Tank Barges and Ocean/Sea Tankers Transporting Chemical and Petroleum Cargos
- 307.5204 Tanks Transporting Food Grade Cargos

SUBPART BR: PAVING AND ROOFING MATERIALS (TARS AND ASPHALT)

- Section
- 307.5301 Asphalt Emulsion
- 307.5302 Asphalt Concrete
- 307.5303 Asphalt Roofing
- 307.5304 Linoleum and Printed Asphalt Felt

SUBPART BS: WASTE COMBUSTORS

- Section
- 307.5401 Commercial Hazardous Waste Combustor

SUBPART BT: LANDFILLS

- Section
- 307.5500 General Provisions
- 307.5501 RCRA Subtitle C Hazardous Waste Landfill
- 307.5502 RCRA Subtitle D Non-Hazardous Waste Landfill

SUBPART BU: PAINT FORMULATING

- Section
- 307.5601 Oil-Base Solvent Wash Paint

SUBPART BV: INK FORMULATING

- Section
- 307.5701 Oil-Base Solvent Wash Ink

SUBPART CD: PESTICIDE CHEMICALS

Section

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- 307.6500 General Provisions
- 307.6501 Organic Pesticide Chemicals Manufacturing
- 307.6502 Metallo-Organic Pesticides Chemicals Manufacturing
- 307.6503 Pesticide Chemicals Formulating and Packaging
- 307.6505 Repackaging of Agricultural Pesticides Performed at Refilling Establishments

SUBPART CG: CARBON BLACK MANUFACTURING

Section

- 307.6801 Carbon Black Furnace Process
- 307.6802 Carbon Black Thermal Process
- 307.6803 Carbon Black Channel Process
- 307.6804 Carbon Black Lamp Process

SUBPART CJ: BATTERY MANUFACTURING

Section

- 307.7100 General Provisions
- 307.7101 Cadmium
- 307.7102 Calcium
- 307.7103 Lead
- 307.7104 Leclanche
- 307.7105 Lithium
- 307.7106 Magnesium
- 307.7107 Zinc

SUBPART CL: PLASTICS MOLDING AND FORMING

Section

- 307.7300 General Provisions
- 307.7301 Contact Cooling and Heating Water
- 307.7302 Cleaning Water
- 307.7303 Finishing Water

SUBPART CM: METAL MOLDING AND CASTING

Section

- 307.7400 General Provisions
- 307.7401 Aluminum Casting

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- 307.7402 Copper Casting
- 307.7403 Ferrous Casting
- 307.7404 Zinc Casting

SUBPART CN: COIL COATING

- Section
- 307.7500 General Provisions
- 307.7501 Steel Basis Material
- 307.7502 Galvanized Basis Material
- 307.7503 Aluminum Basis Material
- 307.7504 Canmaking

SUBPART CO: PORCELAIN ENAMELING

- Section
- 307.7600 General Provisions
- 307.7601 Steel Basis Material
- 307.7602 Cast Iron Basis Material
- 307.7603 Aluminum Basis Material
- 307.7604 Copper Basis Material

SUBPART CP: ALUMINUM FORMING

- Section
- 307.7700 General Provisions
- 307.7701 Rolling With Neat Oils
- 307.7702 Rolling With Emulsions
- 307.7703 Extrusion
- 307.7704 Forging
- 307.7705 Drawing With Neat Oils
- 307.7706 Drawing With Emulsions or Soaps

SUBPART CQ: COPPER FORMING

- Section
- 307.7800 General Provisions
- 307.7801 Copper Forming
- 307.7802 Beryllium Copper Forming

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

SUBPART CR: ELECTRICAL AND ELECTRONIC COMPONENTS

Section

307.7901	Semiconductor
307.7902	Electronic Crystals
307.7903	Cathode Ray Tube
307.7904	Luminescent Materials

SUBPART CT: NONFERROUS METALS FORMING AND METAL POWDERS

Section

307.8100	General Provisions
307.8101	Lead-Tin-Bismuth Forming
307.8102	Magnesium Forming
307.8103	Nickel-Cobalt Forming
307.8104	Precious Metals Forming
307.8105	Refractory Metals Forming
307.8106	Titanium Forming
307.8107	Uranium Forming
307.8108	Zinc Forming
307.8109	Zirconium-Hafnium Forming
307.8110	Metal Powders

| [307.APPENDIX A](#)~~307.APPENDIX A~~ References to Previous Rules (Repealed)

AUTHORITY: Implementing Sections 7.2, 13, and 13.3 and authorized by Section 27 of the Environmental Protection Act [415 ILCS 5/7.2, 13, 13.3, and 27].

SOURCE: Adopted in R70-5, March 31, 1971; amended in R70-8R71-14/R71-20, March 7, 1972; amended in R74-3, October 30, 1975; amended in R74-15/R74-16 at 2 Ill. Reg. 44, p. 151, effective November 2, 1978; amended in R76-17, at 2 Ill. Reg. 45, p. 101, effective November 5, 1978; amended in R76-21 at 6 Ill. Reg. 563, effective December 24, 1981; codified at 6 Ill. Reg. 7818; amended in R82-5/R82-10 at 8 Ill. Reg. 1625, effective January 18, 1984; amended in R86-44 at 12 Ill. Reg. 2592, effective January 13, 1988; amended in R88-11 at 12 Ill. Reg. 13094, effective July 29, 1988; amended in R88-18 at 13 Ill. Reg. 1794, effective January 31, 1989; amended in R89-3 at 13 Ill. Reg. 19288, effective November 17, 1989; amended in R88-9 at 14 Ill. Reg. 3100, effective February 20, 1990; amended in R89-12 at 14 Ill. Reg. 7620, effective May 8, 1990; amended in R91-5 at 16 Ill. Reg. 7377, effective April 27, 1992; amended

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

in R93-2 at 17 Ill. Reg. 19483, effective October 29, 1993; amended in R94-10 at 19 Ill. Reg. 9142, effective June 23, 1995; amended in R95-22 at 20 Ill. Reg. 5549, effective April 1, 1996; amended in R97-23 at 21 Ill. Reg. 11930, effective August 12, 1997; amended in R99-4 at 23 Ill. Reg. 4413, effective March 31, 1999; amended in R99-17 at 23 Ill. Reg. 8421, effective July 12, 1999; amended in R00-15 at 24 Ill. Reg. 11640, effective July 24, 2000; amended in R01-5 at 25 Ill. Reg. 1735, effective January 11, 2001; amended in R01-25 at 25 Ill. Reg. 10867, effective August 14, 2001; amended in R03-13 at 27 Ill. Reg. 15095, effective September 10, 2003; amended in R04-1 at 28 Ill. Reg. 3076, effective February 6, 2004; amended in R04-18 at 28 Ill. Reg. 10661, effective July 13, 2004; amended in R05-4/R05-15 at 29 Ill. Reg. 6921, effective April 26, 2005; amended in R06-13 at 30 Ill. Reg. 17811, effective October 26, 2006; amended in R08-5/R08-7/R08-13 at 32 Ill. Reg. 18986, effective November 26, 2008; amended in R13-7 at 37 Ill. Reg. 1936, effective February 4, 2013.

SUBPART M: CONCENTRATED ANIMAL FEEDING OPERATIONS

Section 307.2201 General

- a) **Applicability.** This Section applies to manure, litter, or process wastewater discharges resulting from concentrated animal feeding operations (CAFOs). Manufacturing or agricultural activities that may be subject to this Section are generally reported under one or more of the following SIC codes, as defined in the Standard Industrial Classification Manual, incorporated by reference in 35 Ill. Adm. Code 310.107:

- 1) SIC [Code](#) 0211 (Beef Cattle Feedlots);₂
- 2) SIC [Code](#) 0213 (Hogs);₂
- 3) SIC [Code](#) 0214 (Sheep and Goats);₂
- 4) SIC [Code](#) 0241 (Dairy Farms);₂
- 5) SIC [Code](#) 0251 (Broiler, Fryer, and Roaster Chickens);₂
- 6) SIC [Code](#) 0252 (Chicken Eggs);₂
- 7) SIC [Code](#) 0253 (Turkeys and Turkey Eggs);₂
- 8) SIC [Code](#) 0254 (Poultry Hatcheries);₂

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- 9) SIC Code 0259 (Poultry and Eggs, Not Elsewhere Classified); or
- 10) SIC Code 0272 (Horses and Other Equines).
- b) General definitions. The Board incorporates by reference 40 CFR 412.2 (2011) ~~(2003)~~. This incorporation includes no later amendments or editions.
- c) General pretreatment standards. The Board incorporates by reference 40 CFR 412.3 (2011)~~(2003)~~. This incorporation includes no later amendments or editions.
- d) A facility is determined a Definition of concentrated animal feeding operation (CAFO) according to the definitions and requirements of: The Board incorporates by reference 40 CFR 122.23(b) and (c), incorporated by reference in 35 Ill. Adm. Code 310.107(2003) This incorporation includes no later amendments or editions.

(Source: Amended at 37 Ill. Reg. 1936, effective February 4, 2013)

SUBPART X: STEAM ELECTRIC POWER GENERATING

Section 307.3301 Steam Electric Power Generating

- a) Applicability. This Section applies to discharges resulting from operation of a generating unit by an establishment engaged primarily in the generation of electricity for distribution and sale that results primarily from a process utilizing fossil-type fuel (coal, oil, or gas) or nuclear fuel in conjunction with ~~with a~~ thermal cycle employing the steam water system as the thermodynamic medium.
- b) Specialized definitions. The Board incorporates by reference 40 CFR 423.11 (2012)~~(2003)~~. This incorporation includes no later amendments or editions.
- c) Existing sources.
 - 1) The Board incorporates by reference 40 CFR 423.16 (2012)~~(2003)~~. This incorporation includes no later amendments or editions.
 - 2) No person subject to the pretreatment standards incorporated by reference in subsection (c)(1) of this Section may cause, threaten, or allow the

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

discharge of any contaminant to a POTW in violation of such standards.

- d) New sources.
 - 1) The Board incorporates by reference 40 CFR 423.17 ~~(2012)(2003)~~. This incorporation includes no later amendments or editions.
 - 2) No person subject to the pretreatment standards incorporated by reference in subsection (d)(1) of this Section may cause, threaten, or allow the discharge of any contaminant to a POTW in violation of such standards.
 - 3) "New source" means any building, structure, facility, or installation the construction of which commenced after October 14, 1980.

(Source: Amended at 37 Ill. Reg. 1936, effective February 4, 2013)

Section 307.3906 Wood ~~Preserving – Water~~ Preserving – Water Borne or Nonpressure

- a) Applicability. This Section applies to discharges resulting from all nonpressure wood preserving treatment processes or all pressure wood preserving treatment processes employing water borne inorganic salts.
- b) Specialized definitions. None.
- c) Existing sources.
 - 1) The Board incorporates by reference 40 CFR 429.75 ~~(2011)(2003)~~. This incorporation includes no later amendments or editions.
 - 2) No person subject to the pretreatment standards incorporated by reference in subsection (c)(1) of this Section may cause, threaten, or allow the discharge of any contaminant to a POTW in violation of such standards.
- d) New sources.
 - 1) The Board incorporates by reference 40 CFR 429.76 ~~(2011)(2003)~~. This incorporation includes no later amendments or editions.
 - 2) No person subject to the pretreatment standards incorporated by reference

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

in subsection (d)(1) of this Section may cause, threaten, or allow the discharge of any contaminant to a POTW in violation of such standards.

- 3) "New source" means any building, structure, facility, or installation the construction of which commenced after October 31, 1979.

(Source: Amended at 37 Ill. Reg. 1936, effective February 4, 2013)

| **Section 307.3907 Wood ~~Preserving – Steam~~Preserving-Steam**

- a) **Applicability.** This Section applies to discharges resulting from wood-preserving processes that use direct steam impingement on wood as the predominant conditioning method, processes that use the vapor drying process as the predominant conditioning method, direct steam conditioning processes that use the same retort to treat both salt and oil type preservatives, or steam conditioning processes that apply both salt type and oil type preservatives to the same stock.

- b) **Specialized definitions.** None.

- c) **Existing sources.**

- 1) The Board incorporates by reference 40 CFR 429.85 ~~(2011)(2003)~~. This incorporation includes no later amendments or editions.

- 2) No person subject to the pretreatment standards incorporated by reference in subsection (c)(1) of this Section may cause, threaten, or allow the discharge of any contaminant to a POTW in violation of such standards.

- d) **New sources.**

- 1) The Board incorporates by reference 40 CFR 429.86 ~~(2011)(2003)~~. This incorporation includes no later amendments or editions.

- 2) No person subject to the pretreatment standards incorporated by reference in subsection (d)(1) of this Section may cause, threaten, or allow the discharge of any contaminant to a POTW in violation of such standards.

- 3) "New source" means any building, structure, facility, or installation the construction of which commenced after October 31, 1979.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

(Source: Amended at 37 Ill. Reg. 1936, effective February 4, 2013)

| **Section 307.3908 Wood Preserving – Boulton~~Preserving-Boulton~~**

- a) Applicability. This Section applies to discharges resulting from wood preserving operations that use the Boulton process as the predominant method of conditioning stock.
- b) Specialized definitions. None.
- c) Existing sources.
 - 1) The Board incorporates by reference 40 CFR 429.95 (2011)~~(2003)~~. This incorporation includes no later amendments or editions.
 - 2) No person subject to the pretreatment standards incorporated by reference in subsection (c)(1) of this Section may cause, threaten, or allow the discharge of any contaminant to a POTW in violation of such standards.
- d) New sources.
 - 1) The Board incorporates by reference 40 CFR 429.96 (2011)~~(2003)~~. This incorporation includes no later amendments or editions.
 - 2) No person subject to the pretreatment standards incorporated by reference in subsection (d)(1) of this Section may cause, threaten, or allow the discharge of any contaminant to a POTW in violation of such standards.
 - 3) "New source" means any building, structure, facility, or installation the construction of which commenced after October 31, 1979.

(Source: Amended at 37 Ill. Reg. 1936, effective February 4, 2013)

SUBPART BE: PULP, PAPER AND PAPERBOARD

Section 307.4000 General Provisions

- a) Applicability. This Subpart BE applies to any pulp, paper, or paperboard mill that

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

introduces or may introduce process wastewater pollutants into a publicly owned treatment works (POTW).

- b) General definitions. The Board incorporates by reference 40 CFR 430.01 ~~(2012)(2007)~~. This incorporation includes no later amendments or editions.
- c) Monitoring requirements. The Board incorporates by reference 40 CFR 430.02 ~~(2012)(2007)~~. This incorporation includes no later amendments or editions.
- d) Best management practices. The Board incorporates by reference 40 CFR 430.03 ~~(2012)(2007)~~. This incorporation includes no later amendments or editions.

(Source: Amended at 37 Ill. Reg. 1936, effective February 4, 2013)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- 1) Heading of the Part: Pretreatment Programs
- 2) Code Citation: 35 Ill. Adm. Code 310
- 3)

<u>Section Numbers:</u>	<u>Adopted Action:</u>
310.107	Amended
310.602	Amended
- 4) Statutory Authority: 415 ILCS 5/7.2, 13, 13.3, and 27
- 5) Effective date of rulemaking: February 4, 2013
- 6) Does this rulemaking contain an automatic repeal date? No
- 7) Does this rulemaking contain incorporations by reference? Yes. The Illinois wastewater pretreatment regulations include incorporations by reference of several federal statutes and regulations. Section 310.107 is the centralized location of all incorporations for the purposes of 35 Ill. Adm. Code 307 and 310, except that this Section does not include the federal categorical standards, which are scattered throughout 35 Ill. Adm. Code 307. The current amendments incorporate federal revisions and update various federal standards to the latest version available.
- 8) Statement of availability: The adopted amendments, a copy of the Board's opinion and order adopted January 24, 2013 in docket R13-7 and all materials incorporated by reference are on file at the Board's principal office and are available for public inspection and copying.
- 9) Notice of Proposal published in the *Illinois Register*: November 26, 2012, 36 Ill. Reg. 16459
- 10) Has JCAR issued a statement of objection to these rulemaking? No
- 11) Differences between the proposal and the final version: A table that appears in the Board's opinion and order of January 24, 2013 in docket R13-7 summarizes the differences between the amendments adopted in that order and those proposed by the Board in an opinion and order dated October 18, 2012, in docket R13-7. Many of the differences are explained in greater detail in the Board's opinion and order adopting the amendments.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

The differences are limited to minor corrections in grammar and punctuation. The changes are intended to have no substantive effect. The intent is to add clarity to the rules without deviation from the substance of the federal amendments on which this proceeding is based.

- 12) Have all the changes agreed upon by the Board and JCAR been made as indicated in the agreements issued by JCAR? Section 13.3 of the Environmental Protection Act [415 ILCS 5/13.3] provides that Section 5-35 of the Administrative Procedure Act [5 ILCS 100/5-35] does not apply to this rulemaking. Because this rulemaking is not subject to Section 5-35 of the IAPA, it is not subject to First Notice or to Second Notice review by JCAR.

Since the Notices of Proposed Amendments appeared in the November 25, 2012 issue of the *Illinois Register*, the Board received a number of suggestions for revisions from JCAR. The Board evaluated each suggestion and incorporated a number of changes into the text as a result, as detailed in the opinion and order of January 24, 2013 in docket R13-7, as indicated in item 11 above. See the January 24, 2013 opinion and order in docket R13-7 for additional details on the JCAR suggestions and the Board actions with regard to each. One table in that opinion itemizes the changes made in response to various suggestions. Another table indicates JCAR suggestions not incorporated into the text, with a brief explanation for each.

- 13) Will this rulemaking replace any emergency amendments currently in effect? No
- 14) Are there any other amendments pending on this Part? No
- 15) Summary and purpose of Amendments: The amendments to Part 310 are a single segment of the docket R13-7 rulemaking that also affects 35 Ill. Adm. Code 307, which is covered by a separate notice in this issue of the *Illinois Register*. To save space, a more detailed description of the subjects and issues involved in the docket R13-7 rulemaking in this issue of the *Illinois Register* only in the answer to question 5 in the Notice of Adopted Amendments for 35 Ill. Adm. Code 307. A comprehensive description is contained in the Board's opinion and order of January 24, 2013, proposing amendments in docket R13-7, which opinion and order is available from the address below.

Specifically, the amendments to Part 310 implement segments of the federal amendments of May 18, 2012. The amendments update the incorporations by reference relating to USEPA-approved analytical methods for use in demonstrating compliance. The Board

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

has included a limited number of corrections and clarifying amendments that are not directly derived from the instant federal amendments.

Tables appear in the Board's opinion and order of January 24, 2013 in docket R13-7 that list numerous corrections and amendments that are not based on current federal amendments. The tables contain deviations from the literal text of the federal amendments underlying these amendments, as well as corrections and clarifications that the Board made in the base text involved. Persons interested in the details of those corrections and amendments should refer to the January 24, 2013 opinion and order in docket R13-7.

Section 13.3 of the Environmental Protection Act [415 ILCS 5/13.3] provides that Section 5-35 of the Administrative Procedure Act [5 ILCS 100/5-35] does not apply to this rulemaking. Because this rulemaking is not subject to Section 5-35 of the IAPA, it is not subject to First Notice or to Second Notice review by JCAR.

- 16) Information and questions regarding these adopted amendments shall be directed to:
Please reference consolidated docket R13-7 and direct inquiries to the following person:

Michael J. McCambridge
Staff Attorney
Illinois Pollution Control Board
100 W. Randolph 11-500
Chicago, IL 60601

312/814-6924

Request copies of the Board's opinion and order of January 24, 2013 at 312-814-3620. Alternatively, you may obtain a copy of the Board's opinion and order from the Internet at <http://www.ipcb.state.il.us>.

The full text of the Adopted Amendments begins on the next page:

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

TITLE 35: ENVIRONMENTAL PROTECTION
SUBTITLE C: WATER POLLUTION
CHAPTER I: POLLUTION CONTROL BOARDPART 310
PRETREATMENT PROGRAMS

SUBPART A: GENERAL PROVISIONS

Section	
310.101	Applicability
310.102	Objectives
310.103	Federal Law
310.104	State Law
310.105	Confidentiality
310.106	Electronic Reporting
310.107	Incorporations by Reference
310.110	Definitions
310.111	New Source
310.112	Significant Industrial User

SUBPART B: PRETREATMENT STANDARDS

Section	
310.201	General Prohibitions
310.202	Specific Prohibitions
310.210	Local Limits Developed by POTW
310.211	Status of Local Limits
310.220	Categorical Standards
310.221	Source Category Determination Request
310.222	Deadline for Compliance with Categorical Standards
310.230	Concentration and Mass Limits
310.232	Dilution Prohibited as a Substitute for Treatment
310.233	Combined Waste Stream Formula

SUBPART C: REMOVAL CREDITS

Section	
310.301	Special Definitions

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

310.302	Authority
310.303	Conditions for Authorization to Grant Removal Credits
310.310	Calculation of Revised Discharge Limits
310.311	Demonstration of Consistent Removal
310.312	Provisional Credits
310.320	Compensation for Overflow
310.330	Exception to POTW Pretreatment Program
310.340	Application for Removal Credits Authorization
310.341	Agency Review
310.343	Assistance of POTW
310.350	Continuation of Authorization
310.351	Modification or Withdrawal of Removal Credits

SUBPART D: PRETREATMENT PERMITS

Section	
310.400	Preamble
310.401	Pretreatment Permits
310.402	Time to Apply
310.403	Imminent Endangerment
310.410	Application
310.411	Certification of Capacity
310.412	Signatures
310.413	Site Visit
310.414	Completeness
310.415	Time Limits
310.420	Standard for Issuance
310.421	Final Action
310.430	Conditions
310.431	Duration of Permits
310.432	Schedules of Compliance
310.441	Effect of a Permit
310.442	Modification
310.443	Revocation
310.444	Appeal

SUBPART E: POTW PRETREATMENT PROGRAMS

Section

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

310.501	Pretreatment Programs Required
310.502	Deadline for Program Approval
310.503	Incorporation of Approved Programs in Permits
310.504	Incorporation of Compliance Schedules in Permits
310.505	Reissuance or Modification of Permits
310.510	Pretreatment Program Requirements
310.511	Receiving Electronic Documents
310.521	Program Approval
310.522	Contents of Program Submission
310.524	Content of Removal Allowance Submission
310.531	Agency Action
310.532	Defective Submission
310.533	Water Quality Management
310.541	Deadline for Review
310.542	Public Notice and Hearing
310.543	Agency Decision
310.544	USEPA Objection
310.545	Notice of Decision
310.546	Public Access to Submission
310.547	Appeal

SUBPART F: REPORTING REQUIREMENTS

Section	
310.601	Definition of Control Authority (Repealed)
310.602	Baseline Report
310.603	Compliance Schedule
310.604	Report on Compliance with Deadline
310.605	Periodic Reports on Compliance
310.606	Notice of Potential Problems
310.610	Monitoring and Analysis
310.611	Requirements for Non-Categorical Standard Users
310.612	Annual POTW Reports
310.613	Notification of Changed Discharge
310.621	Compliance Schedule for POTWs
310.631	Signatory Requirements for Industrial User Reports
310.632	Signatory Requirements for POTW Reports
310.633	Fraud and False Statements
310.634	Recordkeeping Requirements
310.635	Notification of Discharge of Hazardous Waste

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- 310.636 Annual Certification by Non-Significant Categorical Users
- 310.637 Receiving Electronic Documents

SUBPART G: FUNDAMENTALLY DIFFERENT FACTORS

- Section
- 310.701 Definition of Requester
- 310.702 Purpose and Scope
- 310.703 Criteria
- 310.704 Fundamentally Different Factors
- 310.705 Factors that are Not Fundamentally Different
- 310.706 More Stringent State Law
- 310.711 Application Deadline
- 310.712 Contents of FDF Request
- 310.713 Deficient Requests
- 310.714 Public Notice
- 310.721 Agency Review of FDF Requests
- 310.722 USEPA Review of FDF Requests

SUBPART H: ADJUSTMENTS FOR POLLUTANTS IN INTAKE

- Section
- 310.801 Net/Gross Calculation

SUBPART I: UPSETS

- Section
- 310.901 Definition
- 310.902 Effect of an Upset
- 310.903 Conditions Necessary for an Upset
- 310.904 Burden of Proof
- 310.905 Reviewability of Claims of Upset
- 310.906 User Responsibility in Case of Upset

SUBPART J: BYPASS

- Section
- 310.910 Definitions
- 310.911 Bypass Not Violating Applicable Pretreatment Standards or Requirements

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- 310.912 Notice
310.913 Prohibition of Bypass

SUBPART K: MODIFICATION OF POTW PRETREATMENT PROGRAMS

- Section
310.920 General
310.921 Substantial Modifications Defined
310.922 Approval Procedures for Substantial Modifications
310.923 Approval Procedures for Non-Substantial Modifications
310.924 Incorporation of Modifications into the Permit

SUBPART L: FEDERAL PROJECT XL AGREEMENTS

- Section
310.930 Federally Approved Pretreatment Program Reinvention Pilot Projects Under Project XL

AUTHORITY: Implementing and authorized by Sections 7.2, 13, 13.3, and 27 of the Environmental Protection Act [415 ILCS 5/7.2, 13, 13.3, and 27].

SOURCE: Adopted in R86-44 at 12 Ill. Reg. 2502, effective January 13, 1988; amended in R88-18 at 13 Ill. Reg. 2463, effective January 31, 1989; amended in R89-3 at 13 Ill. Reg. 19243, effective November 27, 1989; amended in R89-12 at 14 Ill. Reg. 7608, effective May 8, 1990; amended in R91-5 at 16 Ill. Reg. 7346, effective April 27, 1992; amended in R95-22 at 20 Ill. Reg. 5533, effective April 1, 1996; amended in R96-12 at 20 Ill. Reg. 10671, effective July 24, 1996; amended in R97-7 at 21 Ill. Reg. 5163, effective April 10, 1997; amended in R98-23 at 22 Ill. Reg. 11465, effective June 22, 1998; amended in R99-17 at 23 Ill. Reg. 8412, effective July 12, 1999; amended in R00-7 at 24 Ill. Reg. 2372, effective January 26, 2000; amended in R00-15 at 24 Ill. Reg. 11633, effective July 24, 2000; amended in R01-5 at 25 Ill. Reg. 1322, effective January 11, 2001; amended in R01-25 at 25 Ill. Reg. 10860, effective August 14, 2001; amended in R02-3 at 26 Ill. Reg. 4008, effective February 28, 2002; amended in R02-9 at 26 Ill. Reg. 4653, effective March 18, 2002; amended in R03-13 at 27 Ill. Reg. 15137, effective September 10, 2003; amended in R04-1 at 28 Ill. Reg. 3390, effective February 6, 2004; amended in R04-18 at 28 Ill. Reg. 10684, effective July 13, 2004; amended in R06-13 at 30 Ill. Reg. 17847, effective October 26, 2006; amended in R08-5/R08-7/R08-13 at 32 Ill. Reg. 19008, effective November 26, 2008; amended in R13-7 at 37 Ill. Reg. 1962, effective February 4, 2013.

SUBPART A: GENERAL PROVISIONS

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Section 310.107 Incorporations by Reference

- a) The following publications are incorporated by reference for the purposes of this Part and 35 Ill. Adm. Code 307:

Combined Sewer Overflow (CSO) Control Policy (April 1994) (USEPA document number EPA-830-B-94-001~~EPA-830/Z-94-001~~), available from National Service Center for Environmental Publications (NSCEP), P.O. Box 42419, Cincinnati, OH 45242-0419, 800-490-9198 or online for download in an electronic format at <http://nepis.epa.gov/EPA/html/pubindex.html>~~NCEPI, 11029 Kenwood Rd., Bldg. 5, Cincinnati, OH 45242; fax (513) 891-6685~~, referenced in Section 310.320.

BOARD NOTE: USEPA published the Combined Sewer Overflow (CSO) Control Policy in the Federal Register at 59 Fed. Reg. 18688 (Apr. 19, 1994), ~~and the USEPA, Office of Water has made it available on the Internet: www.epa.gov/npdes/pubs/owm0111.pdf~~.

~~The consent decree in NRDC v. Costle, 1978 WL 23471, 12 Environment Reporter Cases 1833 (D.C. Cir. August 16, 1978), referenced in Section 310.320.~~

Standard Industrial Classification Manual (1987) (document no. PB87-100012) (referred to as "1987 SIC Manual"), available from the National Technical Information Service, 5285 Port Royal Road, Springfield, Virginia 22161, referenced in 35 Ill. Adm. Code 307.2201, 307.2400, 307.2402 through 307.2407, and 307.3901 and Section 310.602.

BOARD NOTE: The 1987 SIC Manual is available for online search through the U.S. Department of Labor, at http://www.osha.gov/pls/imis/sic_manual.html. In 1997, the federal Office of Management and Budget (OMB) announced that the North American Industry Classification System (NAICS) was replacing the SIC (62 Fed. Reg. 17288 (Apr. 9, 1997)) for statistical purposes. OMB announced adoption of a 2012 edition of NAICS (76 Fed. Reg. 51240 (Aug. 17, 2011)). The 1997 NAICS Manual is available for online search or purchase (as electronic or hard copy) at <http://www.naics.com>. Until USEPA amends its regulations to change references to SIC codes to references to NAICS codes, the Board will continue to use the 1987 SIC codes.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- b) The following provisions of the Code of Federal Regulations are incorporated by reference for the purposes of this Part and 35 Ill. Adm. Code 307:

40 CFR 2.302 ~~(2012)(2007)~~ (Special Rules Governing Certain Information Obtained Under the Clean Water Act), referenced in Section 310.105.

40 CFR 3.2 ~~(2012)(2007)~~ (How Does This Part Provide for Electronic Reporting?), referenced in Section 310.106.

40 CFR 3.3 ~~(2012)(2007)~~ (What Definitions Are Applicable to This Part?), referenced in Section 310.106.

40 CFR 3.10 ~~(2012)(2007)~~ (What Are the Requirements for Electronic Reporting to EPA?), referenced in Section 310.106.

40 CFR 3.2000 ~~(2012)(2007)~~ (What Are the Requirements Authorized State, Tribe, and Local Programs' Reporting Systems Must Meet?), referenced in Section 310.106.

40 CFR 25 ~~(2012)(2007)~~ (Public Participation in Programs Under the Resource Conservation and Recovery Act, the Safe Drinking Water Act, and the Clean Water Act), referenced in Section 310.510.

Tables II (Organic Toxic Pollutants in Each of Four Fractions in Analysis by Gas Chromatography/Mass Spectroscopy (GS/MS)) and III (Other Toxic Pollutants (Metals and Cyanide) and Total Phenols) in appendix D to 40 CFR 122 ~~(2012)(2007)~~ (NPDES Permit Application Testing Requirements), referenced in 35 Ill. Adm. Code 307.1005.

40 CFR 122.23(b) and (c) (2012) (Concentrated Animal Feeding Operations), referenced in 35 Ill. Adm. Code 307.2201.

40 CFR 136 ~~(2012)(2007)~~ (Guidelines Establishing Test Procedures for the Analysis of Pollutants), referenced in 35 Ill. Adm. Code 307.1003 and 307.6500 and Sections 310.605, 310.610, and 310.611.

40 CFR 403 ~~(2012)(2007)~~ (General Pretreatment Regulations for Existing and New Sources of Pollution), referenced in Section 310.432.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

40 CFR ~~403.12(b) (2012)~~~~403.12 (2007)~~ (Reporting Requirements for POTWs and Industrial Users), referenced in Section 310.602.

40 CFR 403.15 (2012) (Net/Gross Calculation), referenced in Section 310.801.

Appendix D to 40 CFR 403 ~~(2012)~~~~(2007)~~ (Selected Industrial Subcategories Considered Dilute for Purposes of the Combined Wastestream Formula), referenced in Section 310.233.

Appendix G to 40 CFR 403 ~~(2012)~~~~(2007)~~ (Pollutants Eligible for a Removal Credit), referenced in Section 310.303.

40 CFR 503 ~~(2012)~~~~(2007)~~ (Standards for the Use or Disposal of Sewage Sludge), referenced in Section 310.303.

c) The following federal statutes are incorporated by reference:

Section 1001 of federal Crimes and Criminal Procedure (18 USC 1001 ~~(2010)~~~~(2007)~~), referenced in Section 310.633.

The federal Clean Water Act (CWA) (33 USC 1251 et seq. ~~(2010)~~~~(2007)~~), referenced in Section 310.110.

Section 204(b) of the federal Clean Water Act (33 USC 1284(b) ~~(2010)~~~~(2007)~~), referenced in Section 310.510.

Section 212(2) of the federal Clean Water Act (33 USC 1292(2) ~~(2010)~~~~(2007)~~), referenced in Section 310.110.

Section 307(b), (c), and (d) of the federal Clean Water Act (33 USC 1317(b), (c), and (d) (2010)), referenced in Section 310.110.

Section 308 of the federal Clean Water Act (33 USC 1318 ~~(2010)~~~~(2007)~~), referenced in Section 310.510.

Section 309(c)(4) of the federal Clean Water Act (33 USC 1319(c)(4) ~~(2010)~~~~(2007)~~), referenced in Section 310.633.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Section 309(c)(6) of the federal Clean Water Act (33 USC 1319(c)(6) ~~(2010)(2007)~~), referenced in Section 310.633.

Section 405 of the federal Clean Water Act (33 USC 1345 ~~(2010)(2007)~~), referenced in Section 310.510.

Subtitles C and D of the federal Resource Conservation and Recovery Act (42 USC 6921-6939e and 6941-6949a) ~~(2010)(2007)~~, referenced in Section 310.510.

- d) This Part incorporates no future editions or amendments.

BOARD NOTE: The Board has located all of the incorporations by reference for the purposes of this Part and the more general incorporations by reference for the purposes of 35 Ill. Adm. Code 307 in this Section to aid future review and updates. The Board has located the incorporations by reference of the federal categorical standards scattered throughout 35 Ill. Adm. Code 307 at the segments appropriate to each individual categorical standard. This aids future review and updates of the categorical standards.

(Source: Amended at 37 Ill. Reg. 1962, effective February 4, 2013)

SUBPART F: REPORTING REQUIREMENTS

Section 310.602 Baseline Report

Within the time limits specified in subsection (h) of this Section, existing industrial users subject to such categorical pretreatment standards and currently discharging to or scheduled to discharge to a POTW must submit to the Control Authority a report that contains the information listed in subsections (a) through (g) of this Section. New sources, and sources that become industrial users subsequent to the promulgation of an applicable categorical standard, must submit to the Control Authority a report that contains the information listed in subsections (a) through (e) of this Section. Where reports containing this information already have been submitted to the USEPA in compliance with 40 CFR 128.140(b) (1977), the industrial user must not be required to submit this information again. New sources must also include in the report information on the method of pretreatment the source intended to use to meet applicable pretreatment standards. New sources must give estimates of the information requested in subsections (d) and (e) of this Section.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- a) Identifying information. The industrial user must submit the name and address of the facility including the name of the operator and owners;
- b) Permits. The industrial user must submit a list of any environmental control permits held by or for the facility;
- c) Description of operations. The industrial user must submit a brief description of the nature, average rate of production, and standard industrial classification (SIC Code) of the operations carried out by such industrial user, as determined using the Standard Industrial Classification Manual, incorporated by reference in Section ~~310.107(a)~~~~310.110(a)~~. This description should include a schematic process diagram that indicates points of discharge to the POTW from the regulated processes;
- d) Flow measurement. The industrial user must submit information that shows~~showing~~ the measured average daily and maximum daily flow, in gallons per day, to the POTW from each of the following:
 - 1) Regulated process streams; and
 - 2) Other streams as necessary to allow use of the combined waste stream formula of Section 310.233. (See subsection (e)(4) of this Section.);
- e) Measurement of pollutants.
 - 1) The industrial user must identify the pretreatment standards applicable to each regulated process.
 - 2) In addition, the industrial user must submit the results of sampling and analysis identifying the nature and concentration (or mass, where required by the standard or Control Authority) of regulated pollutants in the discharge from each regulated process. Both daily maximum and average concentration (or mass, where required) must be reported. The sample must be representative of daily operations. In cases where the categorical standard requires compliance with a best management practice or pollution prevention alternative, the industrial user shall submit documentation as required by the Control Authority or the applicable categorical standards to determine compliance with the categorical standard.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- 3) The user must take a minimum of one representative sample to compile that data necessary to comply with the requirements of this subsection.
 - 4) Samples must be taken immediately downstream from pretreatment facilities if such exist or immediately downstream from the regulated process if no pretreatment exists. If other wastewaters are mixed with the regulated wastewater prior to pretreatment the industrial user must measure the flows and concentrations necessary to allow use of the combined waste stream formula of Section 310.233 in order to evaluate compliance with the pretreatment standards. Where an alternate concentration or mass limit has been calculated in accordance with Section 310.233, this adjusted limit along with supporting data must be submitted to the Control Authority.
 - 5) Analytical methods. Sampling and analysis must be performed in accordance with the techniques prescribed in 35 Ill. Adm. Code 307.1003. When 35 Ill. Adm. Code 307.1003 does not reference sampling or analytical techniques for the pollutant in question or where USEPA has determined that sampling and analysis techniques are inappropriate pursuant to 40 CFR 403.12(b), incorporated by reference in Section 310.107(c), sampling and analysis must be performed by using validated analytical methods or any other applicable sampling and analytical procedures approved by the Agency, including procedures suggested by the POTW or other parties.
 - 6) The Control Authority may allow the submission of a baseline report that utilizes only historical data so long as the data provides information sufficient to determine the need for industrial pretreatment measures.
 - 7) The baseline report must indicate the time, date, and place of sampling, and methods of analysis, and must certify that such sampling and analysis is representative of normal work cycles and expected pollutant discharges to the POTW.
- f) Certification. A statement, reviewed by an authorized representative of the industrial user (as defined in Section 310.633) and certified to by a qualified professional, indicating whether pretreatment standards are being met on a consistent basis, and, if not, whether additional operation and maintenance (O and

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

M) or additional pretreatment is required for the industrial user to meet the pretreatment standards and requirements.

- g) Compliance schedule. If additional pretreatment or O and M will be required to meet the pretreatment standards; the shortest schedule by which the industrial user will provide such additional pretreatment or O and M. The completion date in this schedule must not be later than the compliance date established for the applicable pretreatment standard.
- 1) Where the industrial user's categorical pretreatment standard has been modified by a removal allowance (Subpart C of this Part), by the combined waste stream formula (Section 310.233) or a fundamentally different factors determination (Subpart E of this Part) at the time the user submits the report required by this Section, the information required by subsections (f) and (g) of this Section must pertain to the modified limits.
 - 2) If the categorical pretreatment standard is modified by a removal allowance (Subpart C of this Part), by the combined waste stream formula (Section 310.233) or a fundamentally different factors determination (Subpart E of this Part) after the user submits the report required by this Section, any necessary amendments to the information requested by subsections (f) and (g) of this Section must be submitted by the user to the Control Authority within 60 days after the modified limit is approved.
- h) Deadlines for baseline reports.
- 1) For standards adopted by USEPA prior to authorization of the Illinois pretreatment program, baseline reports must be submitted pursuant to 40 CFR 403.12(b).
 - 2) For standards adopted by USEPA after authorization of the Illinois pretreatment program:
 - A) Baseline reports for existing sources are due within 180 days after the Board adopts or incorporates a categorical pretreatment standard or 180 days after the final administrative decision made upon a category determination submission under Section 310.221(d), whichever is later.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- B) New sources and sources that become industrial users subsequent to the promulgation of an applicable categorical standard must submit the baseline report within 90 days before beginning discharge.
- C) New sources already in existence and discharging on the date the Board adopts or incorporates a categorical pretreatment standard or 180 days after the final administrative decision made upon a category determination submission under Section 310.221(d), as described for existing sources under subsection (h)(1)(A) of this Section, are considered existing sources for the purposes of the due date provisions of this subsection.

BOARD NOTE: Derived from 40 CFR 403.12(b) ~~(2012)(2005), as amended at 70 Fed. Reg. 60134 (Oct. 14, 2005).~~

(Source: Amended at 37 Ill. Reg. 1962, effective February 4, 2013)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- 1) Heading of the Part: Primary Drinking Water Standards
- 2) Code Citation: 35 Ill. Adm. Code 611
- 3)

<u>Section Numbers:</u>	<u>Adopted Action:</u>
611.102	Amended
611.300	Amended
611.301	Amended
611.311	Amended
611.330	Amended
611.359	Amended
611.382	Amended
611.600	Amended
611.603	Amended
611.609	Amended
611.611	Amended
611.612	Amended
611.641	Amended
611.645	Amended
611.646	Amended
611.648	Amended
611.720	Amended
611.731	Amended
611.732	Amended
611.884	Amended
611.920	Amended
611.923	Amended
611.970	Amended
611.974	Amended
611.1001	Amended
611.1004	Amended
611.1012	Amended
611.1013	Amended
611.1014	Amended
611.APPENDIX A	Amended
611.APPENDIX B	Amended
611.APPENDIX C	Amended
611.APPENDIX D	Amended
611.APPENDIX E	Amended

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- | | |
|----------------|---------|
| 611.APPENDIX G | Amended |
| 611.APPENDIX H | Amended |
| 611.APPENDIX I | Amended |
| 611.TABLE A | Amended |
| 611.TABLE B | Amended |
| 611.TABLE C | Amended |
| 611.TABLE D | Amended |
| 611.TABLE E | Amended |
| 611.TABLE F | Amended |
| 611.TABLE G | Amended |
| 611.TABLE H | Amended |
| 611.TABLE I | Amended |
| 611.TABLE J | Amended |
| 611.TABLE Z | Amended |
- 4) Statutory Authority: 415 ILCS 5/7.2, 17.5, and 27
 - 5) Effective date of rulemaking: February 4, 2013
 - 6) Does this rulemaking contain an automatic repeal date? No
 - 7) Does this rulemaking contain incorporations by reference? Yes. The updates to analytical methods are accomplished by numerous incorporations by reference of USEPA-approved standards and regulations in Section 611.102.
 - 8) Statement of availability: The adopted amendments, a copy of the Board's opinion and order adopted January 24, 2013 in docket R13-2, and all materials incorporated by reference are on file at the Board's principal office and are available for public inspection and copying.
 - 9) Notice of Proposal published in the *Illinois Register*: November 9, 2012, 36 Ill. Reg. 15599
 - 10) Has JCAR issued a Statement of Objection to this rulemaking? No
 - 11) Differences between the Proposal and Final Version: A table that appears in the Board's opinion and order of January 24, 2013 in docket R13-2 summarizes the differences between the amendments adopted in that order and those proposed by the Board in an

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

opinion and order dated October 18, 2012, in docket R13-2. Many of the differences are explained in greater detail in the Board's opinion and order adopting the amendments.

The differences are limited to minor textual corrections and format revisions. The changes are intended to have no substantive effect. The intent is to add clarity to the rules without deviation from the substance of the federal amendments on which this proceeding is based.

- 12) Have all the changes agreed upon by the Board and JCAR been made as indicated in the agreements issued by JCAR? Section 17.5 of the Environmental Protection Act [415 ILCS 5/17.5] provides that Section 5-35 of the Administrative Procedure Act [5 ILCS 100/5-35] does not apply to this rulemaking. Because this rulemaking is not subject to Section 5-35 of the IAPA, it is not subject to First Notice or to Second Notice review by JCAR.

Since the Notices of Proposed Amendments appeared in the November 9, 2012 issue of the *Illinois Register*, the Board received a number of suggestions for revisions from JCAR. The Board evaluated each suggestion and incorporated a number of changes into the text as a result, as detailed in the opinion and order of January 24, 2013 in docket R13-2, as indicated in item 11 above. See the January 24, 2013 opinion and order in docket R13-2 for additional details on the JCAR suggestions and the Board actions with regard to each. One table in that opinion itemizes the changes made in response to various suggestions. Another table indicates JCAR suggestions not incorporated into the text, with a brief explanation for each.

- 13) Will this rulemaking replace any emergency rulemaking currently in effect? No
- 14) Are there any other proposed rulemakings pending on this Part? No
- 15) Summary and purpose of amendments: The following briefly describes the subjects and issues involved in the docket R13-2 rulemaking to Part 611. A comprehensive description is contained in the Board's opinion and order of January 24, 2013, adopting amendments in docket R13-2, which opinion and order is available from the address below.

This proceeding updates the Illinois Safe Drinking Water Act (SDWA) rules to correspond with amendments adopted by the United States Environmental Protection Agency (USEPA) that appeared in the Federal Register during a single update period. The docket and time period that is involved in this proceeding is the following:

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

R13-2 Federal SDWA amendments that occurred during the period January 1, 2012 through June 30, 2012.

May 2, 2012 (77 Fed. Reg. 26072)	USEPA adopted the third installment of the Unregulated Contaminants Monitoring Rule (UCMR 3). Included with the UCMR 3 rule was a series of updates to analytical methods for regulated contaminants, which were not related to the UCMR.
June 28, 2012 (77 Fed. Reg. 38523)	USEPA approved alternative equivalent analytical methods for use in demonstrating compliance with the drinking water standards.

In addition to the federal actions that fall within the timeframe of this docket, the Board included one additional federal action that occurred later. This additional action directly impacted one of the actions that USEPA took within the timeframe that is involved.

July 2, 2012 (77 Fed. Reg. 39182)	USEPA made a minor correction to the May 2, 2012 <i>Federal Register</i> discussion of the UCMR 3.
July 25, 2012 (77 Fed. Reg. 43523)	USEPA made a minor correction to the May 2, 2012 <i>Federal Register</i> discussion of the UCMR 3.

A comprehensive description is contained in the Board's opinion and order of January 24, 2013, adopting amendments in docket R13-2, which opinion and order is available from the address below. The Board has included a limited number of corrections and clarifying amendments that are not directly derived from the instant federal amendments.

Tables appear in the Board's opinion and order of January 24, 2013 in docket R13-2 that list numerous corrections and amendments that are not based on current federal amendments. The tables contain deviations from the literal text of the federal amendments underlying these amendments, as well as corrections and clarifications that the Board made in the base text involved. Persons interested in the details of those corrections and amendments should refer to the January 24, 2013 opinion and order in docket R13-2.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- 16) Information and questions regarding this rulemaking shall be directed to: Please reference consolidated docket R13-2 and direct inquiries to the following person:

Michael J. McCambridge
Staff Attorney
Illinois Pollution Control Board
100 W. Randolph 11-500
Chicago, IL 60601

312/814-6924

Request copies of the Board's opinion and order of January 24, 2013 at 312-814-3620.
Alternatively, you may obtain a copy of the Board's opinion and order from the Internet at <http://www.ipcb.state.il.us>.

The full text of the Adopted Amendments begins on the next page:

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

TITLE 35: ENVIRONMENTAL PROTECTION
SUBTITLE F: PUBLIC WATER SUPPLIES
CHAPTER I: POLLUTION CONTROL BOARDPART 611
PRIMARY DRINKING WATER STANDARDS

SUBPART A: GENERAL

Section	
611.100	Purpose, Scope, and Applicability
611.101	Definitions
611.102	Incorporations by Reference
611.103	Severability
611.105	Electronic Reporting
611.107	Agency Inspection of PWS Facilities
611.108	Delegation to Local Government
611.109	Enforcement
611.110	Special Exception Permits
611.111	Relief Equivalent to SDWA Section 1415(a) Variances
611.112	Relief Equivalent to SDWA Section 1416 Exemptions
611.113	Alternative Treatment Techniques
611.114	Siting Requirements
611.115	Source Water Quantity
611.120	Effective Dates
611.121	Maximum Contaminant Levels and Finished Water Quality
611.125	Fluoridation Requirement
611.126	Prohibition on Use of Lead
611.130	Special Requirements for Certain Variances and Adjusted Standards
611.131	Relief Equivalent to SDWA Section 1415(e) Small System Variance
611.160	Composite Correction Program
611.161	Case-by-Case Reduced Subpart Y Monitoring for Wholesale and Consecutive Systems

SUBPART B: FILTRATION AND DISINFECTION

Section	
611.201	Requiring a Demonstration
611.202	Procedures for Agency Determinations

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

611.211	Filtration Required
611.212	Groundwater under Direct Influence of Surface Water
611.213	No Method of HPC Analysis
611.220	General Requirements
611.230	Filtration Effective Dates
611.231	Source Water Quality Conditions
611.232	Site-Specific Conditions
611.233	Treatment Technique Violations
611.240	Disinfection
611.241	Unfiltered PWSs
611.242	Filtered PWSs
611.250	Filtration
611.261	Unfiltered PWSs: Reporting and Recordkeeping
611.262	Filtered PWSs: Reporting and Recordkeeping
611.271	Protection during Repair Work
611.272	Disinfection Following Repair
611.276	Recycle Provisions

SUBPART C: USE OF NON-CENTRALIZED TREATMENT DEVICES

Section

611.280	Point-of-Entry Devices
611.290	Use of Point-of-Use Devices or Bottled Water

SUBPART D: TREATMENT TECHNIQUES

Section

611.295	General Requirements
611.296	Acrylamide and Epichlorohydrin
611.297	Corrosion Control

SUBPART F: MAXIMUM CONTAMINANT LEVELS (MCLs) AND
MAXIMUM RESIDUAL DISINFECTANT LEVELS (MRDLs)

Section

611.300	Old MCLs for Inorganic Chemical Contaminants
611.301	Revised MCLs for Inorganic Chemical Contaminants
611.310	State-Only Maximum Contaminant Levels (MCLs) for Organic Chemical Contaminants

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

611.311	Revised MCLs for Organic Chemical Contaminants
611.312	Maximum Contaminant Levels (MCLs) for Disinfection Byproducts (DBPs)
611.313	Maximum Residual Disinfectant Levels (MRDLs)
611.320	Turbidity (Repealed)
611.325	Microbiological Contaminants
611.330	Maximum Contaminant Levels for Radionuclides
611.331	Beta Particle and Photon Radioactivity (Repealed)

SUBPART G: LEAD AND COPPER

Section	
611.350	General Requirements
611.351	Applicability of Corrosion Control
611.352	Corrosion Control Treatment
611.353	Source Water Treatment
611.354	Lead Service Line Replacement
611.355	Public Education and Supplemental Monitoring
611.356	Tap Water Monitoring for Lead and Copper
611.357	Monitoring for Water Quality Parameters
611.358	Monitoring for Lead and Copper in Source Water
611.359	Analytical Methods
611.360	Reporting
611.361	Recordkeeping

SUBPART I: DISINFECTANT RESIDUALS, DISINFECTION BYPRODUCTS,
AND DISINFECTION BYPRODUCT PRECURSORS

Section	
611.380	General Requirements
611.381	Analytical Requirements
611.382	Monitoring Requirements
611.383	Compliance Requirements
611.384	Reporting and Recordkeeping Requirements
611.385	Treatment Technique for Control of Disinfection Byproduct (DBP) Precursors

SUBPART K: GENERAL MONITORING AND ANALYTICAL REQUIREMENTS

Section	
611.480	Alternative Analytical Techniques

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

611.490	Certified Laboratories
611.491	Laboratory Testing Equipment
611.500	Consecutive PWSs
611.510	Special Monitoring for Unregulated Contaminants (Repealed)

SUBPART L: MICROBIOLOGICAL MONITORING
AND ANALYTICAL REQUIREMENTS

Section	
611.521	Routine Coliform Monitoring
611.522	Repeat Coliform Monitoring
611.523	Invalidation of Total Coliform Samples
611.524	Sanitary Surveys
611.525	Fecal Coliform and E. Coli Testing
611.526	Analytical Methodology
611.527	Response to Violation
611.531	Analytical Requirements
611.532	Unfiltered PWSs
611.533	Filtered PWSs

SUBPART M: TURBIDITY MONITORING AND ANALYTICAL REQUIREMENTS

Section	
611.560	Turbidity

SUBPART N: INORGANIC MONITORING AND ANALYTICAL REQUIREMENTS

Section	
611.591	Violation of a State MCL
611.592	Frequency of State Monitoring
611.600	Applicability
611.601	Monitoring Frequency
611.602	Asbestos Monitoring Frequency
611.603	Inorganic Monitoring Frequency
611.604	Nitrate Monitoring
611.605	Nitrite Monitoring
611.606	Confirmation Samples
611.607	More Frequent Monitoring and Confirmation Sampling
611.608	Additional Optional Monitoring

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

611.609	Determining Compliance
611.610	Inorganic Monitoring Times
611.611	Inorganic Analysis
611.612	Monitoring Requirements for Old Inorganic MCLs
611.630	Special Monitoring for Sodium
611.631	Special Monitoring for Inorganic Chemicals (Repealed)

SUBPART O: ORGANIC MONITORING AND ANALYTICAL REQUIREMENTS

Section	
611.640	Definitions
611.641	Old MCLs
611.645	Analytical Methods for Organic Chemical Contaminants
611.646	Phase I, Phase II, and Phase V Volatile Organic Contaminants
611.647	Sampling for Phase I Volatile Organic Contaminants (Repealed)
611.648	Phase II, Phase IIB, and Phase V Synthetic Organic Contaminants
611.650	Monitoring for 36 Contaminants (Repealed)
611.657	Analytical Methods for 36 Contaminants (Repealed)
611.658	Special Monitoring for Organic Chemicals (Repealed)

SUBPART P: THM MONITORING AND ANALYTICAL REQUIREMENTS

Section	
611.680	Sampling, Analytical, and other Requirements (Repealed)
611.683	Reduced Monitoring Frequency (Repealed)
611.684	Averaging (Repealed)
611.685	Analytical Methods (Repealed)
611.686	Modification to System (Repealed)
611.687	Sampling for THM Potential (Repealed)
611.688	Applicability Dates (Repealed)

SUBPART Q: RADIOLOGICAL MONITORING AND ANALYTICAL REQUIREMENTS

Section	
611.720	Analytical Methods
611.731	Gross Alpha
611.732	Beta Particle and Photon Radioactivity
611.733	General Monitoring and Compliance Requirements

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

SUBPART R: ENHANCED FILTRATION AND DISINFECTION:
SYSTEMS THAT SERVE 10,000 OR MORE PEOPLE

Section	
611.740	General Requirements
611.741	Standards for Avoiding Filtration
611.742	Disinfection Profiling and Benchmarking
611.743	Filtration
611.744	Filtration Sampling Requirements
611.745	Reporting and Recordkeeping Requirements

SUBPART S: GROUNDWATER RULE

Section	
611.800	General Requirements and Applicability
611.801	Sanitary Surveys for GWS Suppliers
611.802	Groundwater Source Microbial Monitoring and Analytical Methods
611.803	Treatment Technique Requirements for GWS Suppliers
611.804	Treatment Technique Violations for GWS Suppliers
611.805	Reporting and Recordkeeping for GWS Suppliers

SUBPART T: REPORTING AND RECORDKEEPING

Section	
611.830	Applicability
611.831	Monthly Operating Report
611.832	Notice by Agency (Repealed)
611.833	Cross Connection Reporting
611.840	Reporting
611.851	Reporting MCL, MRDL, and other Violations (Repealed)
611.852	Reporting other Violations (Repealed)
611.853	Notice to New Billing Units (Repealed)
611.854	General Content of Public Notice (Repealed)
611.855	Mandatory Health Effects Language (Repealed)
611.856	Fluoride Notice (Repealed)
611.858	Fluoride Secondary Standard (Repealed)
611.860	Record Maintenance
611.870	List of 36 Contaminants (Repealed)

SUBPART U: CONSUMER CONFIDENCE REPORTS

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Section	
611.881	Purpose and Applicability
611.882	Compliance Dates
611.883	Content of the Reports
611.884	Required Additional Health Information
611.885	Report Delivery and Recordkeeping

SUBPART V: PUBLIC NOTIFICATION OF DRINKING WATER VIOLATIONS

Section	
611.901	General Public Notification Requirements
611.902	Tier 1 Public Notice: Form, Manner, and Frequency of Notice
611.903	Tier 2 Public Notice: Form, Manner, and Frequency of Notice
611.904	Tier 3 Public Notice: Form, Manner, and Frequency of Notice
611.905	Content of the Public Notice
611.906	Notice to New Billing Units or New Customers
611.907	Special Notice of the Availability of Unregulated Contaminant Monitoring Results
611.908	Special Notice for Exceedence of the Fluoride Secondary Standard
611.909	Special Notice for Nitrate Exceedences above the MCL by a Non-Community Water System
611.910	Notice by the Agency on Behalf of a PWS
611.911	Special Notice for Cryptosporidium

SUBPART W: INITIAL DISTRIBUTION SYSTEM EVALUATIONS

Section	
611.920	General Requirements
611.921	Standard Monitoring
611.922	System-Specific Studies
611.923	40/30 Certification
611.924	Very Small System Waivers
611.925	Subpart Y Compliance Monitoring Location Recommendations

SUBPART X: ENHANCED FILTRATION AND DISINFECTION –
SYSTEMS SERVING FEWER THAN 10,000 PEOPLE

Section

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

611.950	General Requirements
611.951	Finished Water Reservoirs
611.952	Additional Watershed Control Requirements for Unfiltered Systems
611.953	Disinfection Profile
611.954	Disinfection Benchmark
611.955	Combined Filter Effluent Turbidity Limits
611.956	Individual Filter Turbidity Requirements
611.957	Reporting and Recordkeeping Requirements

SUBPART Y: STAGE 2 DISINFECTION BYPRODUCTS REQUIREMENTS

Section	
611.970	General Requirements
611.971	Routine Monitoring
611.972	Subpart Y Monitoring Plan
611.973	Reduced Monitoring
611.974	Additional Requirements for Consecutive Systems
611.975	Conditions Requiring Increased Monitoring
611.976	Operational Evaluation Levels
611.977	Requirements for Remaining on Reduced TTHM and HAA5 Monitoring Based on Subpart I Results
611.978	Requirements for Remaining on Increased TTHM and HAA5 Monitoring Based on Subpart I Results
611.979	Reporting and Recordkeeping Requirements

SUBPART Z: ENHANCED TREATMENT FOR CRYPTOSPORIDIUM

Section	
611.1000	General Requirements
611.1001	Source Water Monitoring Requirements: Source Water Monitoring
611.1002	Source Water Monitoring Requirements: Sampling Schedules
611.1003	Source Water Monitoring Requirements: Sampling Locations
611.1004	Source Water Monitoring Requirements: Analytical Methods
611.1005	Source Water Monitoring Requirements: Approved Laboratories
611.1006	Source Water Monitoring Requirements: Reporting Source Water Monitoring Results
611.1007	Source Water Monitoring Requirements: Grandfathering Previously Collected Data
611.1008	Disinfection Profiling and Benchmarking Requirements: Requirements When Making a Significant Change in Disinfection Practice

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- 611.1009 Disinfection Profiling and Benchmarking Requirements: Developing the Disinfection Profile and Benchmark
- 611.1010 Treatment Technique Requirements: Bin Classification for Filtered Systems
- 611.1011 Treatment Technique Requirements: Filtered System Additional Cryptosporidium Treatment Requirements
- 611.1012 Treatment Technique Requirements: Unfiltered System Cryptosporidium Treatment Requirements
- 611.1013 Treatment Technique Requirements: Schedule for Compliance with Cryptosporidium Treatment Requirements
- 611.1014 Treatment Technique Requirements: Requirements for Uncovered Finished Water Storage Facilities
- 611.1015 Requirements for Microbial Toolbox Components: Microbial Toolbox Options for Meeting Cryptosporidium Treatment Requirements
- 611.1016 Requirements for Microbial Toolbox Components: Source Toolbox Components
- 611.1017 Requirements for Microbial Toolbox Components: Pre-Filtration Treatment Toolbox Components
- 611.1018 Requirements for Microbial Toolbox Components: Treatment Performance Toolbox Components
- 611.1019 Requirements for Microbial Toolbox Components: Additional Filtration Toolbox Components
- 611.1020 Requirements for Microbial Toolbox Components: Inactivation Toolbox Components
- 611.1021 Reporting and Recordkeeping Requirements: Reporting Requirements
- 611.1022 Reporting and Recordkeeping Requirements: Recordkeeping Requirements
- 611.1023 Requirements to Respond to Significant Deficiencies Identified in Sanitary Surveys Performed by USEPA or the Agency
-
- 611.APPENDIX A Regulated Contaminants
- 611.APPENDIX B Percent Inactivation of G. Lamblia Cysts
- 611.APPENDIX C Common Names of Organic Chemicals
- 611.APPENDIX D Defined Substrate Method for the Simultaneous Detection of Total Coliforms and Eschericia Coli from Drinking Water
- 611.APPENDIX E Mandatory Lead Public Education Information for Community Water Systems
- 611.APPENDIX F Mandatory Lead Public Education Information for Non-Transient Non-Community Water Systems
- 611.APPENDIX G NPDWR Violations and Situations Requiring Public Notice
- 611.APPENDIX H Standard Health Effects Language for Public Notification
- 611.APPENDIX I Acronyms Used in Public Notification Regulation

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

611.TABLE A	Total Coliform Monitoring Frequency
611.TABLE B	Fecal or Total Coliform Density Measurements
611.TABLE C	Frequency of RDC Measurement
611.TABLE D	Number of Lead and Copper Monitoring Sites
611.TABLE E	Lead and Copper Monitoring Start Dates
611.TABLE F	Number of Water Quality Parameter Sampling Sites
611.TABLE G	Summary of Section 611.357 Monitoring Requirements for Water Quality Parameters
611.TABLE H	CT Values (mg·min/ℓ) for Cryptosporidium Inactivation by Chlorine Dioxide
611.TABLE I	CT Values (mg·min/ℓ) for Cryptosporidium Inactivation by Ozone
611.TABLE J	UV Dose Table for Cryptosporidium, Giardia lamblia, and Virus Inactivation Credit
611.TABLE Z	Federal Effective Dates

AUTHORITY: Implementing Sections 7.2, 17, and 17.5 and authorized by Section 27 of the Environmental Protection Act [415 ILCS 5/7.2, 17, 17.5, and 27].

SOURCE: Adopted in R88-26 at 14 Ill. Reg. 16517, effective September 20, 1990; amended in R90-21 at 14 Ill. Reg. 20448, effective December 11, 1990; amended in R90-13 at 15 Ill. Reg. 1562, effective January 22, 1991; amended in R91-3 at 16 Ill. Reg. 19010, effective December 1, 1992; amended in R92-3 at 17 Ill. Reg. 7796, effective May 18, 1993; amended in R93-1 at 17 Ill. Reg. 12650, effective July 23, 1993; amended in R94-4 at 18 Ill. Reg. 12291, effective July 28, 1994; amended in R94-23 at 19 Ill. Reg. 8613, effective June 20, 1995; amended in R95-17 at 20 Ill. Reg. 14493, effective October 22, 1996; amended in R98-2 at 22 Ill. Reg. 5020, effective March 5, 1998; amended in R99-6 at 23 Ill. Reg. 2756, effective February 17, 1999; amended in R99-12 at 23 Ill. Reg. 10348, effective August 11, 1999; amended in R00-8 at 23 Ill. Reg. 14715, effective December 8, 1999; amended in R00-10 at 24 Ill. Reg. 14226, effective September 11, 2000; amended in R01-7 at 25 Ill. Reg. 1329, effective January 11, 2001; amended in R01-20 at 25 Ill. Reg. 13611, effective October 9, 2001; amended in R02-5 at 26 Ill. Reg. 3522, effective February 22, 2002; amended in R03-4 at 27 Ill. Reg. 1183, effective January 10, 2003; amended in R03-15 at 27 Ill. Reg. 16447, effective October 10, 2003; amended in R04-3 at 28 Ill. Reg. 5269, effective March 10, 2004; amended in R04-13 at 28 Ill. Reg. 12666, effective August 26, 2004; amended in R05-6 at 29 Ill. Reg. 2287, effective January 28, 2005; amended in R06-15 at 30 Ill. Reg. 17004, effective October 13, 2006; amended in R07-2/R07-11 at 31 Ill. Reg. 11757, effective July 27, 2007; amended in R08-7/R08-13 at 33 Ill. Reg. 633, effective December 30, 2008; amended in R10-1/R10-17/R11-6 at 34 Ill. Reg. 19848, effective December 7, 2010; amended in R12-4 at 36 Ill. Reg. 7110, effective April 25, 2012; amended in R13-2 at 37 Ill. Reg. 1978, effective February 4, 2013.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

SUBPART A: GENERAL

Section 611.102 Incorporations by Reference

- a) Abbreviations and short-name listing of references. The following names and abbreviated names, presented in alphabetical order, are used in this Part to refer to materials incorporated by reference:

"AMI Turbiwell Method" means "Continuous Measurement of Turbidity Using a SWAN AMI Turbiwell Turbidimeter," available from NEMI or from SWAN Analytische Instrumente AG.

"ASTM Method" means a method published by and available from the American Society for Testing and Materials (ASTM).

"Colisure Test" means "Colisure Presence/Absence Test for Detection and Identification of Coliform Bacteria and Escherichia Coli in Drinking Water," available from Millipore Corporation, Technical Services Department.

"Colitag® Test" means "Colitag® Product as a Test for Detection and Identification of Coliforms and E. coli Bacteria in Drinking Water and Source Water as Required in National Primary Drinking Water Regulations," available from CPI International.

"Chromocult® Method" means "Chromocult® Coliform Agar Presence/Absence Membrane Filter Test Method for Detection and Identification of Coliform Bacteria and Escherichia coli in Finished Waters," available from EMD Chemicals Inc.

"Determination of Inorganic Oxyhalide" means "Determination of Inorganic Oxyhalide Disinfection By-Products in Drinking Water Using Ion Chromatography with the Addition of a Postcolumn Reagent for Trace Bromate Analysis," available from NTIS.

"Dioxin and Furan Method 1613" means "Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope-Dilution HRGC/HRMS," available from NTIS.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

"E*Colite Test" means "Charm E*Colite Presence/Absence Test for Detection and Identification of Coliform Bacteria and Escherichia coli in Drinking Water," available from Charm Sciences, Inc. and USEPA, Water Resource Center.

"EC-MUG" means "Method 9221 F: Multiple-Tube Fermentation Technique for Members of the Coliform Group, Escherichia coli Procedure (Proposed)," available from American Public Health Association and American Waterworks Association.

"EML Procedures Manual" means "EML Procedures Manual, HASL 300," available from USDOE, EML.

"Enterolert" means "Evaluation of Enterolert for Enumeration of Enterococci in Recreational Waters," available from American Society for Microbiology.

"Georgia Radium Method" means "The Determination of Radium-226 and Radium-228 in Drinking Water by Gamma-ray Spectrometry Using HPGE or Ge(Li) Detectors," Revision 1.2, December 2004, available from the Georgia Tech Research Institute.

"GLI Method 2" means GLI Method 2, "Turbidity," Nov. 2, 1992, available from Great Lakes Instruments, Inc.

"Guidance Manual for Filtration and Disinfection" means "Guidance Manual for Compliance with the Filtration and Disinfection Requirements for Public Water Systems using Surface Water Sources," March 1991, available from USEPA, NSCEP.

"Hach FilterTrak Method 10133" means "Determination of Turbidity by Laser Nephelometry," available from Hach Co.

"Hach SPDANS 2 Method 10225" means "Hach Company SPADNS 2 (Arsenic-free) Fluoride Method 10225 – Spectrophotometric Measurement of Fluoride in Water and Wastewater," available from the Hach Co.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

"Hach TNTplus 835/836 Method 10206" means "Hach Company TNTplus 835/836 Nitrate Method 10206 – Spectrophotometric Measurement of Nitrate in Water and Wastewater," available from the Hach Co.

"ITS Method D99-003" means Method D99-003, Revision 3.0, "Free Chlorine Species (HOCl and OCl⁻) by Test Strip," available from Industrial Test Systems, Inc.

"Kelada 01" means "Kelada Automated Test Methods for Total Cyanide, Acid Dissociable Cyanide, And Thiocyanate," Revision 1.2, available from NTIS.

"m-ColiBlue24 Test" means "Total Coliforms and E. coli Membrane Filtration Method with m-ColiBlue24® Broth," available from USEPA, Water Resource Center and Hach Company.

"Method ME355.01" means "Determination of Cyanide in Drinking Water by GC/MS Headspace Analysis," available from NEMI or from H&E Testing Laboratory.

"Mitchell Method M5271" means "Determination of Turbidity by Laser Nephelometry," available from NEMI and Leck Mitchell, PhD.

"Mitchell Method M5331" means "Determination of Turbidity by LED Nephelometry," available from NEMI and Leck Mitchell, PhD.

"Modified Colitag™ Method" means "Modified Colitag™ Test Method for Simultaneous Detection of E. coli and other Total Coliforms in Water," available from NEMI and CPI International.

"NA-MUG" means "Method 9222 G: Membrane Filter Technique for Members of the Coliform Group, MF Partition Procedures," available from American Public Health Association and American Waterworks Association.

"NCRP Report Number 22" means "Maximum Permissible Body Burdens and Maximum Permissible Concentrations of Radionuclides in Air and in Water for Occupational Exposure," available from NCRP.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

"New Jersey Radium Method" means "Determination of Radium 228 in Drinking Water," available from the New Jersey Department of Environmental Protection.

"New York Radium Method" means "Determination of Ra-226 and Ra-228 (Ra-02)," available from the New York Department of Public Health.

"OI Analytical Method OIA-1677" means "Method OIA-1677, DW Available Cyanide by Flow Injection, Ligand Exchange, and Amperometry," available from ALPKEM, Division of OI Analytical.

"ONPG-MUG Test" (meaning "minimal medium ortho-nitrophenyl-beta-d-galactopyranoside-4-methyl-umbelliferyl -beta-d-glucuronide test"), also called the "Autoanalysis Colilert System," is Method 9223, available in "Standard Methods for the Examination of Water and Wastewater," 18th, 19th, 20th, or 21st ed., from American Public Health Association and the American Water Works Association.

"Orion Method AQ4500" means "Determination of Turbidity by LED Nephelometry," available from Thermo Scientific.

"Palintest ChloroSense" means "Measurement of Free and Total Chlorine in Drinking Water by Palintest ChloroSense," available from NEMI or Palintest Ltd.

"Palintest Method 1001" means "Method Number 1001," available from Palintest, Ltd. or the Hach Company.

"QuikChem Method 10-204-00-1-X" means "Digestion and distillation of total cyanide in drinking and wastewaters using MICRO DIST and determination of cyanide by flow injection analysis," available from Lachat Instruments.

"Readycult® 2000" means "Readycult Coliforms 100 Presence/Absence Test for Detection and Identification of Coliform Bacteria and Escherichia coli in Finished Waters," v. 1.0, available from EMD Chemicals Inc.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

"Readycult® 2007" means "Readycult® Coliforms 100 Presence/Absence Test for Detection and Identification of Coliform Bacteria and Escherichia coli in Finished Waters," v. 1.1, available from EMD Chemicals Inc.

"SimPlate Method" means "IDEXX SimPlate™ HPC Test Method for Heterotrophs in Water," available from IDEXX Laboratories, Inc.

"Standard Methods" means "Standard Methods for the Examination of Water and Wastewater," available from the American Public Health Association or the American Waterworks Association.

"Standard Methods Online" means the website maintained by the Standard Methods Organization (at www.standardmethods.org) for purchase of the latest versions of methods in an electronic format.

"Syngenta AG-625" means "Atrazine in Drinking Water by Immunoassay," February 2001 is available from Syngenta Crop Protection, Inc.

"Systea Easy (1-Reagent)" means "Systea Easy (1-Reagent) Nitrate Method," available from NEMI or Systea Scientific LLC.

"Technical Bulletin 601" means "Technical Bulletin 601, Standard Method of Testing for Nitrate in Drinking Water," July 1994, available from Analytical Technology, Inc.

"Technicon Methods" means "Fluoride in Water and Wastewater," available from Bran & Luebbe.

"USEPA Asbestos Method 100.1" means Method 100.1, "Analytical Method for Determination of Asbestos Fibers in Water," September 1983, available from NTIS.

"USEPA Asbestos Method 100.2" means Method 100.2, "Determination of Asbestos Structures over 10-mm in Length in Drinking Water," June 1994, available from NTIS.

"USEPA Environmental Inorganic Methods" means "Methods for the Determination of Inorganic Substances in Environmental Samples,"

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

August 1993, available from NTIS.

"USEPA Environmental Metals Methods" means "Methods for the Determination of Metals in Environmental Samples," available from NTIS.

"USEPA Inorganic Methods" means "Methods for Chemical Analysis of Water and Wastes," March 1983, available from NTIS.

"USEPA Interim Radiochemical Methods" means "Interim Radiochemical Methodology for Drinking Water," EPA 600/4-75/008 (revised), March 1976. Available from NTIS.

"USEPA Method 1600" means "Method 1600: Enterococci in Water by Membrane Filtration Using Membrane-Enterococcus Indoxyl-b-D-Glucoside Agar (mEI)," available from USEPA, Water Resource Center.

"USEPA Method 1601" means "Method 1601: Male-specific (F⁺) and Somatic Coliphage in Water by Two-step Enrichment Procedure," available from USEPA, Water Resource Center.

"USEPA Method 1602" means "Method 1602: Male-specific (F⁺) and Somatic Coliphage in Water by Single Agar Layer (SAL) Procedure," available from USEPA, Water Resource Center.

"USEPA Method 1604" means "Method 1604: Total Coliforms and Escherichia coli in Water by Membrane Filtration Using a Simultaneous Detection Technique (MI Medium)," available from USEPA, Water Resource Center.

"USEPA NERL Method 200.5 (rev. 4.2)" means Method 200.5, Revision 4.2, "Determination of Trace Elements in Drinking Water by Axially Viewed Inductively Coupled Plasma – Atomic Emission Spectrometry," October 2003, EPA 600/R-06/115. Available from USEPA, Office of Research and Development.

"USEPA NERL Method 415.3 (rev. 1.1)" means Method 415.3, Revision 1.1, "Determination of Total Organic Carbon and Specific UV Absorbance at 254 nm in Source Water and Drinking Water," USEPA, February 2005,

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

EPA 600/R-05/055. Available from USEPA, Office of Research and Development.

"USEPA NERL Method 415.3 (rev. 1.2)" means Method 415.3, Revision 1.2, "Determination of Total Organic Carbon and Specific UV Absorbance at 254 nm in Source Water and Drinking Water," USEPA, August 2009, EPA 600/R-09/122. Available from USEPA, Office of Research and Development.

["USEPA NERL Method 525.3 \(ver. 1.0\)" means Method 525.3, Version 1.0, "Determination of Total Semivolatile Organic Chemicals in Drinking Water by Solid Phase Extraction and Capillary Column Gas Chromatography/Mass Spectrometry \(GC/MS\)," USEPA, February 2012, EPA 600/R-12/010. Available from USEPA, Office of Research and Development.](#)

"USEPA NERL Method 549.2" means Method 549.2, Revision 1.0, "Determination of Diquat and Paraquat in Drinking Water by Liquid-Solid Extraction and High Performance Liquid Chromatography with Ultraviolet Detection," June 1997. Available from USEPA, Office of Research and Development.

"USEPA OGWDW Methods" means the methods listed as available from the USEPA, Office of Ground Water and Drinking Water (Methods 302.0, 317.0 (rev. 2.0), 326.0 (rev. 1.0), 327.0 (rev. 1.1), 334.0, 515.4 (rev. 1.0), [523 \(ver. 1.0\)](#), 524.3 (rev. 1.0), 531.2 (rev. 1.0), [536 \(ver. 1.0\)](#), 552.3 (rev. 1.0), 557, 1622 (99), 1622 (01), 1622 (05), 1623 (99), 1623 (01), ~~and 1623 (05)~~, [and 1623.1](#)). Available from NTIS; USEPA, NSCEP; or USEPA, OGWDW.

"USEPA Organic Methods" means "Methods for the Determination of Organic Compounds in Drinking Water," December 1988 (revised July 1991) (Methods 508A (rev. 1.0) and 515.1 (rev. 4.0)); "Methods for the Determination of Organic Compounds in Drinking Water – Supplement I," July 1990 (Methods 547, 550, and 550.1); "Methods for the Determination of Organic Compounds in Drinking Water – Supplement II," August 1992 (Methods 548.1 (rev. 1.0), 552.1 (rev. 1.0), and 555 (rev. 1.0)); and "Methods for the Determination of Organic Compounds in Drinking Water – Supplement III," August 1995 (Methods 502.2 (rev.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

2.1), 504.1 (rev. 1.1), 505 (rev. 2.1), 506 (rev. 1.1), 507 (rev. 2.1), 508 (rev. 3.1), 508.1 (rev. 2.0), 515.2 (rev. 1.1), 524.2 (rev. 4.1), 525.2 (rev. 2.0), 531.1 (rev. 3.1), 551.1 (rev. 1.0), and 552.2 (rev. 1.0)). Available from NTIS; USEPA, NSCEP; or USEPA, EMSL.

"USEPA Organic and Inorganic Methods" means "Methods for the Determination of Organic and Inorganic Compounds in Drinking Water, Volume 1," EPA 815/R-00/014, PB2000-106981, August 2000. Available from NTIS.

"USEPA Radioactivity Methods" means "Prescribed Procedures for Measurement of Radioactivity in Drinking Water," EPA 600/4-80/032, August 1980. Available from NTIS.

"USEPA Radiochemical Analyses" means "Radiochemical Analytical Procedures for Analysis of Environmental Samples," March 1979. Available from NTIS.

"USEPA Radiochemistry Procedures" means "Radiochemistry Procedures Manual," EPA 520/5-84/006, December 1987. Available from NTIS.

"USEPA Technical Notes" means "Technical Notes on Drinking Water Methods," available from NTIS and USEPA, NSCEP.

"USGS Methods" means "Methods of Analysis by the U.S. Geological Survey National Water Quality Laboratory – Determination of Inorganic and Organic Constituents in Water and Fluvial Sediments," available from NTIS and USGS.

[BOARD NOTE: The USGS Methods are available in three volumes published in 1977, 1989, and 1993, as outlined in subsection \(b\) of this Section.](#)

"Waters Method B-1011" means "Waters Test Method for the Determination of Nitrite/Nitrate in Water Using Single Column Ion Chromatography," available from Waters Corporation, Technical Services Division.

- b) The Board incorporates the following publications by reference:

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

ALPKEM, Division of OI Analytical, P.O. Box 9010, College Station, TX 77842-9010, telephone: 979-690-1711, Internet: www.oico.com.

"Method OIA-1677 DW, Available Cyanide by Flow Injection, Ligand Exchange, and Amperometry," EPA 821/R-04/001, January 2004 (referred to as "OI Analytical Method OIA-1677"), referenced in Section 611.611.

BOARD NOTE: Also available online for download from www.epa.gov/waterscience/methods/method/cyanide/1677-2004.pdf.

APHA. American Public Health Association, 1015 Fifteenth Street NW, Washington, DC 20005 202-777-2742.

"Standard Methods for the Examination of Water and Wastewater," 17th Edition, 1989 (referred to as "Standard Methods, 17th ed."). See the methods listed separately for the same references under American Waterworks Association.

"Standard Methods for the Examination of Water and Wastewater," 18th Edition, 1992, including "Supplement to the 18th Edition of Standard Methods for the Examination of Water and Wastewater," 1994 (collectively referred to as "Standard Methods, 18th ed."). See the methods listed separately for the same references under American Waterworks Association.

"Standard Methods for the Examination of Water and Wastewater," 19th Edition, 1995 (referred to as "Standard Methods, 19th ed."). See the methods listed separately for the same references under American Waterworks Association.

"Standard Methods for the Examination of Water and Wastewater," 20th Edition, 1998 (referred to as "Standard Methods, 20th ed."). See the methods listed separately for the same references under American Waterworks Association.

"Standard Methods for the Examination of Water and Wastewater," 21st Edition, 2005 (referred to as "Standard Methods,

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

21st ed."). See the methods listed separately for the same references under American Waterworks Association.

American Society for Microbiology, 1752 N Street N.W., Washington, DC 20036, 202-737-3600:

"Evaluation of Enterolert for Enumeration of Enterococci in Recreational Waters," Applied and Environmental Microbiology, Oct. 1996, vol. 62, no. 10, p. 3881 (referred to as "Enterolert"), referenced in Section 611.802.

BOARD NOTE: At the table to 40 CFR 141.402(c)(2), USEPA approved the method as described in the above literature review. The method itself is embodied in the printed instructions to the proprietary kit available from IDEXX Laboratories, Inc. (accessible on-line and available by download from www.asm.org, as "Enterolert™ Procedure"). ASTM approved the method as "Standard Test Method for Enterococci in Water Using Enterolert™," which is available in two versions from ASTM: ASTM Method D6503-99 (superceded) and ASTM Method D6503-99. While it is more conventional to incorporate the method as presented in the kit instructions or as approved by ASTM by reference, the Board is constrained to incorporate the version that appears in the technical literature by reference, which is the version that USEPA has explicitly approved.

AWWA. American Water Works Association et al., 6666 West Quincy Ave., Denver, CO 80235 (303-794-7711).

"National Field Evaluation of a Defined Substrate Method for the Simultaneous Enumeration of Total Coliforms and Escherichia coli for Drinking Water: Comparison with the Standard Multiple Tube Fermentation Method," S.C. Edberg, M.J. Allen & D.B. Smith, Applied Environmental Microbiology, vol. 54, iss. 6, pp 1595-1601 (1988), referenced in Appendix D to this Part.

"Standard Methods for the Examination of Water and Wastewater," 13th Edition, 1971 (referred to as "Standard Methods, 13th ed.").

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Method 302, Gross Alpha and Gross Beta Radioactivity in Water (Total, Suspended, and Dissolved), referenced in Section 611.720.

Method 303, Total Radioactive Strontium and Strontium 90 in Water, referenced in Section 611.720.

Method 304, Radium in Water by Precipitation, referenced in Section 611.720.

Method 305, Radium 226 by Radon in Water (Soluble, Suspended, and Total), referenced in Section 611.720.

Method 306, Tritium in Water, referenced in Section 611.720.

"Standard Methods for the Examination of Water and Wastewater," 17th Edition, 1989 (referred to as "Standard Methods, 17th ed.").

Method 7110 B, Gross Alpha and Gross Beta Radioactivity in Water (Total, Suspended, and Dissolved), referenced in Section 611.720.

Method 7500-Cs B, Radioactive Cesium, Precipitation Method, referenced in Section 611.720.

Method 7500-³H B, Tritium in Water, referenced in Section 611.720.

Method 7500-I B, Radioactive Iodine, Precipitation Method, referenced in Section 611.720.

Method 7500-I C, Radioactive Iodine, Ion-Exchange Method, referenced in Section 611.720.

Method 7500-I D, Radioactive Iodine, Distillation Method, referenced in Section 611.720.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Method 7500-Ra B, Radium in Water by Precipitation, referenced in Section 611.720.

Method 7500-Ra C, Radium 226 by Radon in Water (Soluble, Suspended, and Total), referenced in Section 611.720.

Method 7500-Ra D, Radium, Sequential Precipitation Method (Proposed), referenced in Section 611.720.

Method 7500-Sr B, Total Radioactive Strontium and Strontium 90 in Water, referenced in Section 611.720.

Method 7500-U B, Uranium, Radiochemical Method (Proposed), referenced in Section 611.720.

Method 7500-U C, Uranium, Isotopic Method (Proposed), referenced in Section 611.720.

"Standard Methods for the Examination of Water and Wastewater," 18th Edition, 1992 (referred to as "Standard Methods, 18th ed.").

Method 2130 B, Turbidity, Nephelometric Method, referenced in Section 611.531.

Method 2320 B, Alkalinity, Titration Method, referenced in Section 611.611.

Method 2510 B, Conductivity, Laboratory Method, referenced in Section 611.611.

Method 2550, Temperature, Laboratory and Field Methods, referenced in Section 611.611.

Method 3111 B, Metals by Flame Atomic Absorption Spectrometry, Direct Air-Acetylene Flame Method, referenced in Sections 611.611 and 611.612.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Method 3111 D, Metals by Flame Atomic Absorption Spectrometry, Direct Nitrous Oxide-Acetylene Flame Method, referenced in Section 611.611.

Method 3112 B, Metals by Cold-Vapor Atomic Absorption Spectrometry, Cold-Vapor Atomic Absorption Spectrometric Method, referenced in Section 611.611.

Method 3113 B, Metals by Electrothermal Atomic Absorption Spectrometry, Electrothermal Atomic Absorption Spectrometric Method, referenced in Sections 611.611 and 611.612.

Method 3114 B, Metals by Hydride Generation/Atomic Absorption Spectrometry, Manual Hydride Generation/Atomic Absorption Spectrometric Method, referenced in Section 611.611.

Method 3120 B, Metals by Plasma Emission Spectroscopy, Inductively Coupled Plasma (ICP) Method, referenced in Sections 611.611 and 611.612.

Method 3500-Ca D, Calcium, EDTA Titrimetric Method, referenced in Section 611.611.

Method 3500-Mg E, Magnesium, Calculation Method, referenced in Section 611.611.

Method 4110 B, Determination of Anions by Ion Chromatography, Ion Chromatography with Chemical Suppression of Eluent Conductivity, referenced in Section 611.611.

Method 4500-CN⁻ C, Cyanide, Total Cyanide after Distillation, referenced in Section 611.611.

Method 4500-CN⁻ E, Cyanide, Colorimetric Method, referenced in Section 611.611.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Method 4500-CN⁻ F, Cyanide, Cyanide-Selective Electrode Method, referenced in Section 611.611.

Method 4500-CN⁻ G, Cyanide, Cyanides Amenable to Chlorination after Distillation, referenced in Section 611.611.

Method 4500-Cl D, Chlorine, Amperometric Titration Method, referenced in Section 611.531.

Method 4500-Cl E, Chlorine, Low-Level Amperometric Titration Method, referenced in Section 611.531.

Method 4500-Cl F, Chlorine, DPD Ferrous Titrimetric Method, referenced in Section 611.531.

Method 4500-Cl G, Chlorine, DPD Colorimetric Method, referenced in Section 611.531.

Method 4500-Cl H, Chlorine, Syringaldazine (FACTS) Method, referenced in Section 611.531.

Method 4500-Cl I, Chlorine, Iodometric Electrode Method, referenced in Section 611.531.

Method 4500-ClO₂ C, Chlorine Dioxide, Amperometric Method I, referenced in Section 611.531.

Method 4500-ClO₂ D, Chlorine Dioxide, DPD Method, referenced in Section 611.531.

Method 4500-ClO₂ E, Chlorine Dioxide, Amperometric Method II (Proposed), referenced in Section 611.531.

Method 4500-F⁻ B, Fluoride, Preliminary Distillation Step, referenced in Section 611.611.

Method 4500-F⁻ C, Fluoride, Ion-Selective Electrode

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Method, referenced in Section 611.611.

Method 4500-F⁻ D, Fluoride, SPADNS Method, referenced in Section 611.611.

Method 4500-F⁻ E, Fluoride, Complexone Method, referenced in Section 611.611.

Method 4500-H⁺ B, pH Value, Electrometric Method, referenced in Section 611.611.

Method 4500-NO₂⁻ B, Nitrogen (Nitrite), Colorimetric Method, referenced in Section 611.611.

Method 4500-NO₃⁻ D, Nitrogen (Nitrate), Nitrate Electrode Method, referenced in Section 611.611.

Method 4500-NO₃⁻ E, Nitrogen (Nitrate), Cadmium Reduction Method, referenced in Section 611.611.

Method 4500-NO₃⁻ F, Nitrogen (Nitrate), Automated Cadmium Reduction Method, referenced in Section 611.611.

Method 4500-O₃ B, Ozone (Residual) (Proposed), Indigo Colorimetric Method, referenced in Section 611.531.

Method 4500-P E, Phosphorus, Ascorbic Acid Method, referenced in Section 611.611.

Method 4500-P F, Phosphorus, Automated Ascorbic Acid Reduction Method, referenced in Section 611.611.

Method 4500-Si D, Silica, Molybdosilicate Method, referenced in Section 611.611.

Method 4500-Si E, Silica, Heteropoly Blue Method, referenced in Section 611.611.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Method 4500-Si F, Silica, Automated Method for Molybdate-Reactive Silica, referenced in Section 611.611.

Method 6651, Glyphosate Herbicide (Proposed), referenced in Section 611.645.

Method 7110 B, Gross Alpha and Beta Radioactivity (Total, Suspended, and Dissolved), Evaporation Method for Gross Alpha-Beta, referenced in Section 611.720.

Method 7110 C, Gross Alpha and Beta Radioactivity (Total, Suspended, and Dissolved), Coprecipitation Method for Gross Alpha Radioactivity in Drinking Water (Proposed), referenced in Section 611.720.

Method 7500-Cs B, Radioactive Cesium, Precipitation Method, referenced in Section 611.720.

Method 7500-³H B, Tritium, Liquid Scintillation Spectrometric Method, referenced in Section 611.720.

Method 7500-I B, Radioactive Iodine, Precipitation Method, referenced in Section 611.720.

Method 7500-I C, Radioactive Iodine, Ion-Exchange Method, referenced in Section 611.720.

Method 7500-I D, Radioactive Iodine, Distillation Method, referenced in Section 611.720.

Method 7500-Ra B, Radium, Precipitation Method, referenced in Section 611.720.

Method 7500-Ra C, Radium, Emanation Method, referenced in Section 611.720.

Method 7500-Ra D, Radium, Sequential Precipitation Method (Proposed), referenced in Section 611.720.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Method 7500-Sr B, Total Radioactive Strontium and Strontium 90, Precipitation Method, referenced in Section 611.720.

Method 7500-U B, Uranium, Radiochemical Method (Proposed), referenced in Section 611.720.

Method 7500-U C, Uranium, Isotopic Method (Proposed), referenced in Section 611.720.

Method 9215 B, Heterotrophic Plate Count, Pour Plate Method, referenced in Section 611.531.

Method 9221 A, Multiple-Tube Fermentation Technique for Members of the Coliform Group, Introduction, referenced in Sections 611.526 and 611.531.

Method 9221 B, Multiple-Tube Fermentation Technique for Members of the Coliform Group, Standard Total Coliform Fermentation Technique, referenced in Sections 611.526 and 611.531.

Method 9221 C, Multiple-Tube Fermentation Technique for Members of the Coliform Group, Estimation of Bacterial Density, referenced in Sections 611.526 and 611.531.

Method 9221 D, Multiple-Tube Fermentation Technique for Members of the Coliform Group, Presence-Absence (P-A) Coliform Test, referenced in Section 611.526.

Method 9221 E, Multiple-Tube Fermentation Technique for Members of the Coliform Group, Fecal Coliform Procedure, referenced in Sections 611.526 and 611.531.

Method 9222 A, Membrane Filter Technique for Members of the Coliform Group, Introduction, referenced in Sections 611.526 and 611.531.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Method 9222 B, Membrane Filter Technique for Members of the Coliform Group, Standard Total Coliform Membrane Filter Procedure, referenced in Sections 611.526 and 611.531.

Method 9222 C, Membrane Filter Technique for Members of the Coliform Group, Delayed-Incubation Total Coliform Procedure, referenced in Sections 611.526 and 611.531.

Method 9222 D, Membrane Filter Technique for Members of the Coliform Group, Fecal Coliform Membrane Filter Procedure, referenced in Section 611.531.

Method 9223, Chromogenic Substrate Coliform Test (Proposed) (also referred to as the variations "Autoanalysis Colilert System" and "Colisure Test"), referenced in Sections 611.526 and 611.531.

Method 9223 B, Chromogenic Substrate Coliform Test (Proposed), referenced in Section 611.1004.

"Supplement to the 18th Edition of Standard Methods for the Examination of Water and Wastewater," American Public Health Association, 1994.

Method 6610, Carbamate Pesticide Method, referenced in Section 611.645.

"Standard Methods for the Examination of Water and Wastewater," 19th Edition, 1995 (referred to as "Standard Methods, 19th ed.").

Method 2130 B, Turbidity, Nephelometric Method, referenced in Section 611.531.

Method 2320 B, Alkalinity, Titration Method, referenced in Section 611.611.

Method 2510 B, Conductivity, Laboratory Method,

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

referenced in Section 611.611.

Method 2550, Temperature, Laboratory, and Field Methods, referenced in Section 611.611.

Method 3111 B, Metals by Flame Atomic Absorption Spectrometry, Direct Air-Acetylene Flame Method, referenced in Sections 611.611 and 611.612.

Method 3111 D, Metals by Flame Atomic Absorption Spectrometry, Direct Nitrous Oxide-Acetylene Flame Method, referenced in Section 611.611.

Method 3112 B, Metals by Cold-Vapor Atomic Absorption Spectrometry, Cold-Vapor Atomic Absorption Spectrometric Method, referenced in Section 611.611.

Method 3113 B, Metals by Electrothermal Atomic Absorption Spectrometry, Electrothermal Atomic Absorption Spectrometric Method, referenced in Sections 611.611 and 611.612.

Method 3114 B, Metals by Hydride Generation/Atomic Absorption Spectrometry, Manual Hydride Generation/Atomic Absorption Spectrometric Method, referenced in Section 611.611.

Method 3120 B, Metals by Plasma Emission Spectroscopy, Inductively Coupled Plasma (ICP) Method, referenced in Sections 611.611 and 611.612.

Method 3500-Ca D, Calcium, EDTA Titrimetric Method, referenced in Section 611.611.

Method 3500-Mg E, Magnesium, Calculation Method, referenced in Section 611.611.

Method 4110 B, Determination of Anions by Ion Chromatography, Ion Chromatography with Chemical

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Suppression of Eluent Conductivity, referenced in Section 611.611.

Method 4500-Cl D, Chlorine, Amperometric Titration Method, referenced in Sections 611.381 and 611.531.

Method 4500-Cl E, Chlorine, Low-Level Amperometric Titration Method, referenced in Sections 611.381 and 611.531.

Method 4500-Cl F, Chlorine, DPD Ferrous Titrimetric Method, referenced in Sections 611.381 and 611.531.

Method 4500-Cl G, Chlorine, DPD Colorimetric Method, referenced in Sections 611.381 and 611.531.

Method 4500-Cl H, Chlorine, Syringaldazine (FACTS) Method, referenced in Sections 611.381 and 611.531.

Method 4500-Cl I, Chlorine, Iodometric Electrode Method, referenced in Sections 611.381 and 611.531.

Method 4500-ClO₂ C, Chlorine Dioxide, Amperometric Method I, referenced in Section 611.531.

Method 4500-ClO₂ D, Chlorine Dioxide, DPD Method, referenced in Sections 611.381 and 611.531.

Method 4500-ClO₂ E, Chlorine Dioxide, Amperometric Method II, referenced in Sections 611.381 and 611.531.

Method 4500-CN⁻ C, Cyanide, Total Cyanide after Distillation, referenced in Section 611.611.

Method 4500-CN⁻ E, Cyanide, Colorimetric Method, referenced in Section 611.611.

Method 4500-CN⁻ F, Cyanide, Cyanide-Selective Electrode Method, referenced in Section 611.611.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Method 4500-CN⁻ G, Cyanide, Cyanides Amenable to Chlorination after Distillation, referenced in Section 611.611.

Method 4500-F⁻ B, Fluoride, Preliminary Distillation Step, referenced in Section 611.611.

Method 4500-F⁻ C, Fluoride, Ion-Selective Electrode Method, referenced in Section 611.611.

Method 4500-F⁻ D, Fluoride, SPADNS Method, referenced in Section 611.611.

Method 4500-F⁻ E, Fluoride, Complexone Method, referenced in Section 611.611.

Method 4500-H⁺ B, pH Value, Electrometric Method, referenced in Section 611.611.

Method 4500-NO₂⁻ B, Nitrogen (Nitrite), Colorimetric Method, referenced in Section 611.611.

Method 4500-NO₃⁻ D, Nitrogen (Nitrate), Nitrate Electrode Method, referenced in Section 611.611.

Method 4500-NO₃⁻ E, Nitrogen (Nitrate), Cadmium Reduction Method, referenced in Section 611.611.

Method 4500-NO₃⁻ F, Nitrogen (Nitrate), Automated Cadmium Reduction Method, referenced in Section 611.611.

Method 4500-O₃ B, Ozone (Residual) (Proposed), Indigo Colorimetric Method, referenced in Section 611.531.

Method 4500-P E, Phosphorus, Ascorbic Acid Method, referenced in Section 611.611.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Method 4500-P F, Phosphorus, Automated Ascorbic Acid Reduction Method, referenced in Section 611.611.

Method 4500-Si D, Silica, Molybdosilicate Method, referenced in Section 611.611.

Method 4500-Si E, Silica, Heteropoly Blue Method, referenced in Section 611.611.

Method 4500-Si F, Silica, Automated Method for Molybdate-Reactive Silica, referenced in Section 611.611.

Method 5310 B, TOC, Combustion-Infrared Method, referenced in Section 611.381.

Method 5310 C, TOC, Persulfate-Ultraviolet Oxidation Method, referenced in Section 611.381.

Method 5310 D, TOC, Wet-Oxidation Method, referenced in Section 611.381.

Method 5910 B, UV Absorbing Organic Constituents, Ultraviolet Absorption Method, referenced in Section 611.381.

Method 6251 B, Disinfection Byproducts: Haloacetic Acids and Trichlorophenol, Micro Liquid-Liquid Extraction Gas Chromatographic Method, referenced in Section 611.381.

Method 6610, Carbamate Pesticide Method, referenced in Section 611.645.

Method 6651, Glyphosate Herbicide (Proposed), referenced in Section 611.645.

Method 7110 B, Gross Alpha and Gross Beta Radioactivity, Evaporation Method for Gross Alpha-Beta, referenced in Section 611.720.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Method 7110 C, Gross Alpha and Beta Radioactivity (Total, Suspended, and Dissolved), Coprecipitation Method for Gross Alpha Radioactivity in Drinking Water (Proposed), referenced in Section 611.720.

Method 7120 B, Gamma-Emitting Radionuclides, Gamma Spectrometric Method, referenced in Section 611.720.

Method 7500-Cs B, Radioactive Cesium, Precipitation Method, referenced in Section 611.720.

Method 7500-³H B, Tritium, Liquid Scintillation Spectrometric Method, referenced in Section 611.720.

Method 7500-I B, Radioactive Iodine, Precipitation Method, referenced in Section 611.720.

Method 7500-I C, Radioactive Iodine, Ion-Exchange Method, referenced in Section 611.720.

Method 7500-I D, Radioactive Iodine, Distillation Method, referenced in Section 611.720.

Method 7500-Ra B, Radium, Precipitation Method, referenced in Section 611.720.

Method 7500-Ra C, Radium, Emanation Method, referenced in Section 611.720.

Method 7500-Ra D, Radium, Sequential Precipitation Method, referenced in Section 611.720.

Method 7500-Sr B, Total Radiactive Strontium and Strontium 90, Precipitation Method, referenced in Section 611.720.

Method 7500-U B, Uranium, Radiochemical Method, referenced in Section 611.720.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Method 7500-U C, Uranium, Isotopic Method, referenced in Section 611.720.

Method 9215 B, Heterotrophic Plate Count, Pour Plate Method, referenced in Section 611.531.

Method 9221 A, Multiple-Tube Fermentation Technique for Members of the Coliform Group, Introduction, referenced in Sections 611.526 and 611.531.

Method 9221 B, Multiple-Tube Fermentation Technique for Members of the Coliform Group, Standard Total Coliform Fermentation Technique, referenced in Sections 611.526 and 611.531.

Method 9221 C, Multiple-Tube Fermentation Technique for Members of the Coliform Group, Estimation of Bacterial Density, referenced in Sections 611.526 and 611.531.

Method 9221 D, Multiple-Tube Fermentation Technique for Members of the Coliform Group, Presence-Absence (P-A) Coliform Test, referenced in Section 611.526.

Method 9221 E, Multiple-Tube Fermentation Technique for Members of the Coliform Group, Fecal Coliform Procedure, referenced in Sections 611.526 and 611.531.

Method 9222 A, Membrane Filter Technique for Members of the Coliform Group, Introduction, referenced in Sections 611.526 and 611.531.

Method 9222 B, Membrane Filter Technique for Members of the Coliform Group, Standard Total Coliform Membrane Filter Procedure, referenced in Sections 611.526 and 611.531.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Method 9222 C, Membrane Filter Technique for Members of the Coliform Group, Delayed-Incubation Total Coliform Procedure, referenced in Sections 611.526 and 611.531.

Method 9222 D, Membrane Filter Technique for Members of the Coliform Group, Fecal Coliform Membrane Filter Procedure, referenced in Section 611.531.

Method 9222 G, Membrane Filter Technique for Members of the Coliform Group, MF Partition Procedures, referenced in Section 611.526.

Method 9223, Chromogenic Substrate Coliform Test (also referred to as the variations "Autoanalysis Colilert System" and "Colisure Test"), referenced in Sections 611.526 and 611.531.

Method 9223 B, Chromogenic Substrate Coliform Test (Proposed), referenced in Section 611.1004.

"Supplement to the 19th Edition of Standard Methods for the Examination of Water and Wastewater," American Public Health Association, 1996.

Method 5310 B, TOC, Combustion-Infrared Method, referenced in Section 611.381.

Method 5310 C, TOC, Persulfate-Ultraviolet Oxidation Method, referenced in Section 611.381.

Method 5310 D, TOC, Wet-Oxidation Method, referenced in Section 611.381.

"Standard Methods for the Examination of Water and Wastewater," 20th Edition, 1998 (referred to as "Standard Methods, 20th ed.").

Method 2130 B, Turbidity, Nephelometric Method, referenced in Section 611.531.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Method 2320 B, Alkalinity, Titration Method, referenced in Section 611.611.

Method 2510 B, Conductivity, Laboratory Method, referenced in Section 611.611.

Method 2550, Temperature, Laboratory, and Field Methods, referenced in Section 611.611.

Method 3120 B, Metals by Plasma Emission Spectroscopy, Inductively Coupled Plasma (ICP) Method, referenced in Sections 611.611 and 611.612.

[Method 3125, Metals by Inductively Coupled Plasma/Mass Spectrometry, referenced in Section 611.720.](#)

Method 3500-Ca B, Calcium, EDTA Titrimetric Method, referenced in Section 611.611.

Method 3500-Mg B, Magnesium, EDTA Titrimetric Method, referenced in Section 611.611.

Method 4110 B, Determination of Anions by Ion Chromatography, Ion Chromatography with Chemical Suppression of Eluent Conductivity, referenced in Section 611.611.

Method 4500-CN⁻ C, Cyanide, Total Cyanide after Distillation, referenced in Section 611.611.

Method 4500-CN⁻ E, Cyanide, Colorimetric Method, referenced in Section 611.611.

Method 4500-CN F, Cyanide, Cyanide-Selective Electrode Method, referenced in Section 611.611.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Method 4500-CN⁻ G, Cyanide, Cyanides Amenable to Chlorination after Distillation, referenced in Section 611.611.

Method 4500-Cl D, Chlorine, Amperometric Titration Method, referenced in Section 611.531.

Method 4500-Cl E, Chlorine, Low-Level Amperometric Titration Method, referenced in Section 611.531.

Method 4500-Cl F, Chlorine, DPD Ferrous Titrimetric Method, referenced in Section 611.531.

Method 4500-Cl G, Chlorine, DPD Colorimetric Method, referenced in Section 611.531.

Method 4500-Cl H, Chlorine, Syringaldazine (FACTS) Method, referenced in Section 611.531.

Method 4500-Cl I, Chlorine, Iodometric Electrode Method, referenced in Section 611.531.

Method 4500-ClO₂ C, Chlorine Dioxide, Amperometric Method I, referenced in Section 611.531.

Method 4500-ClO₂ D, Chlorine Dioxide, DPD Method, referenced in Section 611.531.

Method 4500-ClO₂ E, Chlorine Dioxide, Amperometric Method II (Proposed), referenced in Section 611.531.

Method 4500-F⁻ B, Fluoride, Preliminary Distillation Step, referenced in Section 611.611.

Method 4500-F⁻ C, Fluoride, Ion-Selective Electrode Method, referenced in Section 611.611.

Method 4500-F⁻ D, Fluoride, SPADNS Method, referenced in Section 611.611.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Method 4500-F⁻ E, Fluoride, Complexone Method, referenced in Section 611.611.

Method 4500-H⁺ B, pH Value, Electrometric Method, referenced in Section 611.611.

Method 4500-NO₂⁻ B, Nitrogen (Nitrite), Colorimetric Method, referenced in Section 611.611.

Method 4500-NO₃⁻ D, Nitrogen (Nitrate), Nitrate Electrode Method, referenced in Section 611.611.

Method 4500-NO₃⁻ E, Nitrogen (Nitrate), Cadmium Reduction Method, referenced in Section 611.611.

Method 4500-NO₃⁻ F, Nitrogen (Nitrate), Automated Cadmium Reduction Method, referenced in Section 611.611.

Method 4500-O₃ B, Ozone (Residual) (Proposed), Indigo Colorimetric Method, referenced in Section 611.531.

Method 4500-P E, Phosphorus, Ascorbic Acid Method, referenced in Section 611.611.

Method 4500-P F, Phosphorus, Automated Ascorbic Acid Reduction Method, referenced in Section 611.611.

Method 4500-Si C, Silica, Molybdosilicate Method, referenced in Section 611.611.

Method 4500-Si D, Silica, Heteropoly Blue Method, referenced in Section 611.611.

Method 4500-Si E, Silica, Automated Method for Molybdate-Reactive Silica, referenced in Section 611.611.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Method 5310 B, TOC, Combustion-Infrared Method, referenced in Section 611.381.

Method 5310 C, TOC, Persulfate-Ultraviolet Oxidation Method, referenced in Section 611.381.

Method 5310 D, TOC, Wet-Oxidation Method, referenced in Section 611.381.

Method 5910 B, UV-Absorbing Organic Constituents, Ultraviolet Absorption Method, referenced in Sections 611.381 and 611.382.

Method 6251, Disinfection By-Products: Haloacetic Acids and Trichlorophenol, referenced in Section 611.381.

Method 6610, Carbamate Pesticide Method, referenced in Section 611.645.

Method 6651, Glyphosate Herbicide (Proposed), referenced in Section 611.645.

Method 7110 B, Gross Alpha and Gross Beta Radioactivity, Evaporation Method for Gross Alpha-Beta, referenced in Section 611.720.

Method 7110 C, Gross Alpha and Beta Radioactivity (Total, Suspended, and Dissolved), Coprecipitation Method for Gross Alpha Radioactivity in Drinking Water (Proposed), referenced in Section 611.720.

Method 7120, Gamma-Emitting Radionuclides, referenced in Section 611.720.

Method 7500-Cs B, Radioactive Cesium, Precipitation Method, referenced in Section 611.720.

Method 7500-³H B, Tritium, Liquid Scintillation Spectrometric Method, referenced in Section 611.720.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Method 7500-I B, Radioactive Iodine, Precipitation Method, referenced in Section 611.720.

Method 7500-I C, Radioactive Iodine, Ion-Exchange Method, referenced in Section 611.720.

Method 7500-I D, Radioactive Iodine, Distillation Method, referenced in Section 611.720.

Method 7500-Ra B, Radium, Precipitation Method, referenced in Section 611.720.

Method 7500-Ra C, Radium, Emanation Method, referenced in Section 611.720.

Method 7500-Ra D, Radium, Sequential Precipitation Method, referenced in Section 611.720.

Method 7500-Sr B, Total Radioactive Strontium and Strontium 90, Precipitation Method, referenced in Section 611.720.

Method 7500-U B, Uranium, Radiochemical Method, referenced in Section 611.720.

Method 7500-U C, Uranium, Isotopic Method, referenced in Section 611.720.

Method 9215 B, Heterotrophic Plate Count, Pour Plate Method, referenced in Section 611.531.

Method 9221 A, Multiple-Tube Fermentation Technique for Members of the Coliform Group, Introduction, referenced in Sections 611.526 and 611.531.

Method 9221 B, Multiple-Tube Fermentation Technique for Members of the Coliform Group, Standard Total

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Coliform Fermentation Technique, referenced in Sections 611.526 and 611.531.

Method 9221 C, Multiple-Tube Fermentation Technique for Members of the Coliform Group, Estimation of Bacterial Density, referenced in Sections 611.526 and 611.531.

Method 9221 D, Multiple-Tube Fermentation Technique for Members of the Coliform Group, Presence-Absence (P-A) Coliform Test, referenced in Sections 611.526.

Method 9221 E, Multiple-Tube Fermentation Technique for Members of the Coliform Group, Fecal Coliform Procedure, referenced in Sections 611.526 and 611.531.

Method 9221 F, Multiple-Tube Fermentation Technique for Members of the Coliform Group, Escherichia Coli Procedure (Proposed), referenced in Section 611.802.

Method 9222 A, Membrane Filter Technique for Members of the Coliform Group, Introduction, referenced in Sections 611.526 and 611.531.

Method 9222 B, Membrane Filter Technique for Members of the Coliform Group, Standard Total Coliform Membrane Filter Procedure, referenced in Sections 611.526 and 611.531.

Method 9222 C, Membrane Filter Technique for Members of the Coliform Group, Delayed-Incubation Total Coliform Procedure, referenced in Sections 611.526 and 611.531.

Method 9222 D, Membrane Filter Technique for Members of the Coliform Group, Fecal Coliform Membrane Filter Procedure, referenced in Section 611.531.

Method 9222 G, Membrane Filter Technique for Members of the Coliform Group, MF Partition Procedures,

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

referenced in Section 611.526.

Method 9223, Chromogenic Substrate Coliform Test (also referred to as the variations "Autoanalysis Colilert System" and "Colisure Test"), referenced in Sections 611.526 and 611.531.

Method 9223 B, Chromogenic Substrate Coliform Test (also referred to as the variations "Autoanalysis Colilert System" and "Colisure Test"), referenced in Sections 611.526, 611.802, and 611.1004.

Method 9230 B, Fecal Streptococcus and Enterococcus Groups, Multiple Tube Techniques, referenced in Section 611.802.

Method 9230 C, Fecal Streptococcus and Enterococcus Groups, Membrane Filter Techniques, referenced in Section 611.802.

"Standard Methods for the Examination of Water and Wastewater," 21st Edition, 2005 (referred to as "Standard Methods, 21st ed.").

Method 2130 B, Turbidity, Nephelometric Method, referenced in Section 611.531.

Method 2320 B, Alkalinity, Titration Method, referenced in Section 611.611.

Method 2510 B, Conductivity, Laboratory Method, referenced in Section 611.611.

Method 2550, Temperature, Laboratory, and Field Methods, referenced in Section 611.611.

Method 3111 B, Metals by Flame Atomic Absorption Spectrometry, Direct Air-Acetylene Flame Method, referenced in Sections 611.611 and 611.612.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Method 3111 D, Metals by Flame Atomic Absorption Spectrometry, Direct Nitrous Oxide-Acetylene Flame Method, referenced in Section 611.611.

Method 3112 B, Metals by Cold-Vapor Atomic Absorption Spectrometry, Cold-Vapor Atomic Absorption Spectrometric Method, referenced in Section 611.611.

Method 3113 B, Metals by Electrothermal Atomic Absorption Spectrometry, Electrothermal Atomic Absorption Spectrometric Method, referenced in Sections 611.611 and 611.612.

Method 3114 B, Metals by Hydride Generation/Atomic Absorption Spectrometry, Manual Hydride Generation/Atomic Absorption Spectrometric Method, referenced in Section 611.611.

Method 3120 B, Metals by Plasma Emission Spectroscopy, Inductively Coupled Plasma (ICP) Method, referenced in Sections 611.611 and 611.612.

[Method 3125, Metals by Inductively Coupled Plasma/Mass Spectrometry, referenced in Section 611.720.](#)

Method 3500-Ca B, Calcium, EDTA Titrimetric Method, referenced in Section 611.611.

Method 3500-Ca D, Calcium, EDTA Titrimetric Method, referenced in Section 611.611.

Method 3500-Mg B, Magnesium, Calculation Method, referenced in Section 611.611.

Method 4110 B, Determination of Anions by Ion Chromatography, Ion Chromatography with Chemical Suppression of Eluent Conductivity, referenced in Section 611.611.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Method 4500-Cl D, Chlorine, Amperometric Titration Method, referenced in Section 611.381.

Method 4500-Cl E, Chlorine, Low-Level Amperometric Titration Method, referenced in Section 611.381.

Method 4500-Cl F, Chlorine, DPD Ferrous Titrimetric Method, referenced in Section 611.381.

Method 4500-Cl G, Chlorine, DPD Colorimetric Method, referenced in Section 611.381.

Method 4500-Cl H, Chlorine, Syringaldazine (FACTS) Method, referenced in Section 611.381.

Method 4500-Cl I, Chlorine, Iodometric Electrode Method, referenced in Section 611.381.

Method 4500-ClO₂ C, Chlorine Dioxide, Amperometric Method I, referenced in Section 611.531.

Method 4500-ClO₂ E, Chlorine Dioxide, Amperometric Method II (Proposed), referenced in Section 611.381.

Method 4500-CN⁻ E, Cyanide, Colorimetric Method, referenced in Section 611.611.

Method 4500-CN⁻ F, Cyanide, Cyanide-Selective Electrode Method, referenced in Section 611.611.

Method 4500-CN⁻ G, Cyanide, Cyanides Amenable to Chlorination after Distillation, referenced in Section 611.611.

Method 4500-F⁻ B, Fluoride, Preliminary Distillation Step, referenced in Section 611.611.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Method 4500-F⁻ C, Fluoride, Ion-Selective Electrode Method, referenced in Section 611.611.

Method 4500-F⁻ D, Fluoride, SPADNS Method, referenced in Section 611.611.

Method 4500-F⁻ E, Fluoride, Complexone Method, referenced in Section 611.611.

Method 4500-H⁺ B, pH Value, Electrometric Method, referenced in Section 611.611.

Method 4500-NO₂⁻ B, Nitrogen (Nitrite), Colorimetric Method, referenced in Section 611.611.

Method 4500-NO₃⁻ D, Nitrogen (Nitrate), Nitrate Electrode Method, referenced in Section 611.611.

Method 4500-NO₃⁻ E, Nitrogen (Nitrate), Cadmium Reduction Method, referenced in Section 611.611.

Method 4500-NO₃⁻ F, Nitrogen (Nitrate), Automated Cadmium Reduction Method, referenced in Section 611.611.

Method 4500-O₃ B, Ozone (Residual) (Proposed), Indigo Colorimetric Method, referenced in Section 611.531.

Method 4500-P E, Phosphorus, Ascorbic Acid Method, referenced in Section 611.611.

Method 4500-P F, Phosphorus, Automated Ascorbic Acid Reduction Method, referenced in Section 611.611.

Method 4500-SiO₂ C, Silica, Molybdosilicate Method, referenced in Section 611.611.

Method 4500-SiO₂ D, Silica, Heteropoly Blue Method, referenced in Section 611.611.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Method 4500-SiO₂ E, Silica, Automated Method for Molybdate-Reactive Silica, referenced in Section 611.611.

Method 5310 B, TOC, Combustion-Infrared Method, referenced in Section 611.381.

Method 5310 C, TOC, Persulfate-Ultraviolet Oxidation Method, referenced in Section 611.381.

Method 5310 D, TOC, Wet-Oxidation Method, referenced in Section 611.381.

Method 5910 B, UV-Absorbing Organic Constituents, Ultraviolet Absorption Method, referenced in Sections 611.381 and 611.382.

Method 6251, Disinfection By-Products: Haloacetic Acids and Trichlorophenol, referenced in Section 611.381.

Method 6610, Method 6610 B, Carbamate Pesticide Method, referenced in Section 611.645.

Method 6640 B, Acidic Herbicide Compounds, Micro Liquid-Liquid Extraction Gas Chromatographic Method, referenced in Section 611.645.

Method 7110 B, Gross Alpha and Gross Beta Radioactivity, Evaporation Method for Gross Alpha-Beta, referenced in Section 611.720.

Method 7110 C, Gross Alpha and Beta Radioactivity (Total, Suspended, and Dissolved), Coprecipitation Method for Gross Alpha Radioactivity in Drinking Water (Proposed), referenced in Section 611.720.

Method 7120, Gamma-Emitting Radionuclides, referenced in Section 611.720.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Method 7500-Cs B, Radioactive Cesium, Precipitation Method, referenced in Section 611.720.

Method 7500-³H B, Tritium, Liquid Scintillation Spectrometric Method, referenced in Section 611.720.

Method 7500-I B, Radioactive Iodine, Precipitation Method, referenced in Section 611.720.

Method 7500-I C, Radioactive Iodine, Ion-Exchange Method, referenced in Section 611.720.

Method 7500-I D, Radioactive Iodine, Distillation Method, referenced in Section 611.720.

Method 7500-Ra B, Radium, Precipitation Method, referenced in Section 611.720.

Method 7500-Ra C, Radium, Emanation Method, referenced in Section 611.720.

Method 7500-Ra D, Radium, Sequential Precipitation Method, referenced in Section 611.720.

Method 7500-Sr B, Total Radioactive Strontium and Strontium 90, Precipitation Method, referenced in Section 611.720.

Method 7500-U B, Uranium, Radiochemical Method, referenced in Section 611.720.

Method 7500-U C, Uranium, Isotopic Method, referenced in Section 611.720.

Method 9221 A, Multiple-Tube Fermentation Technique for Members of the Coliform Group, Introduction, referenced in Sections 611.526 and 611.531.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Method 9221 B, Multiple-Tube Fermentation Technique for Members of the Coliform Group, Standard Total Coliform Fermentation Technique, referenced in Sections 611.526 and 611.531.

Method 9221 C, Multiple-Tube Fermentation Technique for Members of the Coliform Group, Estimation of Bacterial Density, referenced in Sections 611.526 and 611.531.

Method 9221 D, Multiple-Tube Fermentation Technique for Members of the Coliform Group, Presence-Absence (P-A) Coliform Test, referenced in Section 611.526.

Method 9221 E, Multiple-Tube Fermentation Technique for Members of the Coliform Group, Fecal Coliform Procedure, referenced in Sections 611.526 and 611.531.

Method 9221 F, Multiple-Tube Fermentation Technique for Members of the Coliform Group, Escherichia Coli Procedure (Proposed), referenced in Section 611.802.

Method 9222 A, Membrane Filter Technique for Members of the Coliform Group, Introduction, referenced in Sections 611.526 and 611.531.

Method 9222 B, Membrane Filter Technique for Members of the Coliform Group, Standard Total Coliform Membrane Filter Procedure, referenced in Sections 611.526 and 611.531.

Method 9222 C, Membrane Filter Technique for Members of the Coliform Group, Delayed-Incubation Total Coliform Procedure, referenced in Sections 611.526 and 611.531.

Method 9222 D, Membrane Filter Technique for Members of the Coliform Group, Fecal Coliform Membrane Filter Procedure, referenced in Section 611.531.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Method 9222 G, Membrane Filter Technique for Members of the Coliform Group, MF Partition Procedures, referenced in Section 611.526.

Method 9223, Chromogenic Substrate Coliform Test (also referred to as the variations "Autoanalysis Colilert System" and "Colisure Test"), referenced in Sections 611.526 and 611.531.

Method 9223 B, Chromogenic Substrate Coliform Test (also referred to as the variations "Autoanalysis Colilert System" and "Colisure Test"), referenced in Sections 611.526, 611.802, and 611.1004.

BOARD NOTE: See the Board note appended to Standard Methods Online in this Section about methods that appear in Standard Methods, 21st ed. which USEPA has cited as available from Standard Methods Online.

BOARD NOTE: Individual Methods from Standard Methods are available online from Standard Methods Online.

Analytical Technology, Inc. ATI Orion, 529 Main Street, Boston, MA 02129.

Technical Bulletin 601, "Standard Method of Testing for Nitrate in Drinking Water," July, 1994, PN 221890-001 (referred to as "Technical Bulletin 601"), referenced in Section 611.611.

ASTM. American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 (610-832-9585).

ASTM Method D511-93 A and B, "Standard Test Methods for Calcium and Magnesium in Water," "Test Method A – Complexometric Titration" & "Test Method B – Atomic Absorption Spectrophotometric," approved 1993, referenced in Section 611.611.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

ASTM Method D511-03 A and B, "Standard Test Methods for Calcium and Magnesium in Water," "Test Method A – Complexometric Titration" & "Test Method B – Atomic Absorption Spectrophotometric," approved 2003, referenced in Section 611.611.

ASTM Method D511-09 A and B, "Standard Test Methods for Calcium and Magnesium in Water," "Test Method A – Complexometric Titration" & "Test Method B – Atomic Absorption Spectrophotometric," approved 2009, referenced in Section 611.611.

ASTM Method D515-88 A, "Standard Test Methods for Phosphorus in Water," "Test Method A – Colorimetric Ascorbic Acid Reduction," approved August 19, 1988, referenced in Section 611.611.

ASTM Method D859-94, "Standard Test Method for Silica in Water," approved 1994, referenced in Section 611.611.

ASTM Method D859-00, "Standard Test Method for Silica in Water," approved 2000, referenced in Section 611.611.

ASTM Method D859-05, "Standard Test Method for Silica in Water," approved 2005, referenced in Section 611.611.

[ASTM Method D859-10, "Standard Test Method for Silica in Water," approved 2010, referenced in Section 611.611.](#)

ASTM Method D1067-92 B, "Standard Test Methods for Acidity or Alkalinity in Water," "Test Method B – Electrometric or Color-Change Titration," approved May 15, 1992, referenced in Section 611.611.

ASTM Method D1067-02 B, "Standard Test Methods for Acidity or Alkalinity in Water," "Test Method B – Electrometric or Color-Change Titration," approved in 2002, referenced in Section 611.611.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

ASTM Method D1067-06 B, "Standard Test Methods for Acidity or Alkalinity in Water," "Test Method B – Electrometric or Color-Change Titration," approved in 2006, referenced in Section 611.611.

ASTM Method D1125-95 (1999) A, "Standard Test Methods for Electrical Conductivity and Resistivity of Water," "Test Method A – Field and Routine Laboratory Measurement of Static (Non-Flowing) Samples," approved 1995, reapproved 1999, referenced in Section 611.611.

ASTM Method D1179-93 B, "Standard Test Methods for Fluoride in Water," "Test Method B – Ion Selective Electrode," approved 1993, referenced in Section 611.611.

ASTM Method D1179-99 B, "Standard Test Methods for Fluoride in Water," "Test Method B – Ion Selective Electrode," approved 1999, referenced in Section 611.611.

ASTM Method D1179-04 B, "Standard Test Methods for Fluoride in Water," "Test Method B – Ion Selective Electrode," approved 2004, referenced in Section 611.611.

[ASTM Method D1179-10 B, "Standard Test Methods for Fluoride in Water," "Test Method B – Ion Selective Electrode," approved 2010, referenced in Section 611.611.](#)

ASTM Method D1253-86, "Standard Test Method for Residual Chlorine in Water," reapproved 1992, referenced in Section 611.381.

ASTM Method D1253-96, "Standard Test Method for Residual Chlorine in Water," approved 1996, referenced in Section 611.381.

ASTM Method D1253-03, "Standard Test Method for Residual Chlorine in Water," approved 2003, referenced in Sections 611.381 and 611.531.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

ASTM Method D1253-08, "Standard Test Method for Residual Chlorine in Water," approved 2008, referenced in Sections 611.381 and 611.531.

ASTM Method D1293-95 A or B, "Standard Test Methods for pH of Water," "Test Method A – Precise Laboratory Measurement" & "Test Method B – Routine or Continuous Measurement," approved 1995, referenced in Section 611.611.

ASTM Method D1293-99 A or B, "Standard Test Methods for pH of Water," "Test Method A – Precise Laboratory Measurement" & "Test Method B – Routine or Continuous Measurement," approved 1999, referenced in Section 611.611.

ASTM Method D1688-95 A or C, "Standard Test Methods for Copper in Water," "Test Method A – Atomic Absorption, Direct" & "Test Method C – Atomic Absorption, Graphite Furnace," approved 1995, referenced in Section 611.611.

ASTM Method D1688-02 A or C, "Standard Test Methods for Copper in Water," "Test Method A – Atomic Absorption, Direct" & "Test Method C – Atomic Absorption, Graphite Furnace," approved 2002, referenced in Section 611.611.

ASTM Method D1688-07 A or C, "Standard Test Methods for Copper in Water," "Test Method A – Atomic Absorption, Direct" & "Test Method C – Atomic Absorption, Graphite Furnace," approved 2007, referenced in Section 611.611.

ASTM Method D2036-98 A or B, "Standard Test Methods for Cyanide in Water," "Test Method A – Total Cyanides after Distillation" & "Test Method B – Cyanides Amenable to Chlorination by Difference," approved 1998, referenced in Section 611.611.

ASTM Method D2036-06 A or B, "Standard Test Methods for Cyanide in Water," "Test Method A – Total Cyanides after Distillation" & "Test Method B – Cyanides Amenable to

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Chlorination by Difference," approved 2006, referenced in Section 611.611.

ASTM Method D2459-72, "Standard Test Method for Gamma Spectrometry in Water," approved July 28, 1972, discontinued 1988, referenced in Section 611.720.

ASTM Method D2460-90, "Standard Test Method for Radionuclides of Radium in Water," approved 1990, referenced in Section 611.720.

ASTM Method D2460-07, "Standard Test Method for Radionuclides of Radium in Water," approved 2007, referenced in Section 611.720.

ASTM Method D2907-91 A or B, "Standard Test Methods for Microquantities of Uranium in Water by Fluorometry," "Test Method A – Direct Fluorometric" & "Test Method B – Extraction," approved June 15, 1991, referenced in Section 611.720.

ASTM Method D2972-97 B or C, "Standard Test Methods for Arsenic in Water," "Test Method B – Atomic Absorption, Hydride Generation" & "Test Method C – Atomic Absorption, Graphite Furnace," approved 1997, referenced in Section 611.611.

ASTM Method D2972-03 B or C, "Standard Test Methods for Arsenic in Water," "Test Method B – Atomic Absorption, Hydride Generation" & "Test Method C – Atomic Absorption, Graphite Furnace," approved 2003, referenced in Section 611.611.

ASTM Method D2972-08 B or C, "Standard Test Methods for Arsenic in Water," "Test Method B – Atomic Absorption, Hydride Generation" & "Test Method C – Atomic Absorption, Graphite Furnace," approved 2008, referenced in Section 611.611.

ASTM Method D3223-97, "Standard Test Method for Total Mercury in Water," approved 1997, referenced in Section 611.611.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

ASTM Method D3223-02, "Standard Test Method for Total Mercury in Water," approved 2002, referenced in Section 611.611.

ASTM Method D3454-97, "Standard Test Method for Radium-226 in Water," approved 1997, referenced in Section 611.720.

ASTM Method D3454-05, "Standard Test Method for Radium-226 in Water," approved 2005, referenced in Section 611.720.

ASTM Method D3559-96 D, "Standard Test Methods for Lead in Water," "Test Method D – Atomic Absorption, Graphite Furnace," approved August 6, 1990, referenced in Section 611.611.

ASTM Method D3559-03 D, "Standard Test Methods for Lead in Water," "Test Method D – Atomic Absorption, Graphite Furnace," approved 2003, referenced in Section 611.611.

ASTM Method D3559-08 D, "Standard Test Methods for Lead in Water," "Test Method D – Atomic Absorption, Graphite Furnace," approved 2008, referenced in Section 611.611.

ASTM Method D3645-97 B, "Standard Test Methods for Beryllium in Water," "Method B – Atomic Absorption, Graphite Furnace," approved 1997, referenced in Section 611.611.

ASTM Method D3645-03 B, "Standard Test Methods for Beryllium in Water," "Method B – Atomic Absorption, Graphite Furnace," approved 2003, referenced in Section 611.611.

ASTM Method D3645-08 B, "Standard Test Methods for Beryllium in Water," "Method B – Atomic Absorption, Graphite Furnace," approved 2008, referenced in Section 611.611.

ASTM Method D3649-91, "Standard Test Method for High-Resolution Gamma-Ray Spectrometry of Water," approved 1991, referenced in Section 611.720.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

ASTM Method D3649-98a, "Standard Test Method for High-Resolution Gamma-Ray Spectrometry of Water," approved 1998, referenced in Section 611.720.

ASTM Method D3649-06, "Standard Test Method for High-Resolution Gamma-Ray Spectrometry of Water," approved 2006, referenced in Section 611.720.

ASTM Method D3697-92, "Standard Test Method for Antimony in Water," approved June 15, 1992, referenced in Section 611.611.

ASTM Method D3697-02, "Standard Test Method for Antimony in Water," approved 2002, referenced in Section 611.611.

ASTM Method D3697-07, "Standard Test Method for Antimony in Water," approved 2007, referenced in Section 611.611.

ASTM Method D3859-98 A and B, "Standard Test Methods for Selenium in Water," "Method A – Atomic Absorption, Hydride Method;" & "Method B – Atomic Absorption, Graphite Furnace," approved 1998, referenced in Section 611.611.

ASTM Method D3859-03 A and B, "Standard Test Methods for Selenium in Water," "Method A – Atomic Absorption, Hydride Method;" & "Method B – Atomic Absorption, Graphite Furnace," approved 2003, referenced in Section 611.611.

ASTM Method D3859-08 A and B, "Standard Test Methods for Selenium in Water," "Method A – Atomic Absorption, Hydride Method" & "Method B – Atomic Absorbtion, Graphite Furnace," approved 2008, referenced in Section 611.611.

ASTM Method D3867-90 A and B, "Standard Test Methods for Nitrite-Nitrate in Water," "Test Method A – Automated Cadmium Reduction" & "Test Method B – Manual Cadmium Reduction," approved January 10, 1990, referenced in Section 611.611.

ASTM Method D3972-90, "Standard Test Method for Isotopic Uranium in Water by Radiochemistry," approved 1990, referenced

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

in Section 611.720.

ASTM Method D3972-02, "Standard Test Method for Isotopic Uranium in Water by Radiochemistry," approved 2002, referenced in Section 611.720.

ASTM Method D4107-91, "Standard Test Method for Tritium in Drinking Water," approved 1991, referenced in Section 611.720.

ASTM Method D4107-98, "Standard Test Method for Tritium in Drinking Water," approved 1998 (reapproved 2002), referenced in Section 611.720.

ASTM Method D4107-08, "Standard Test Method for Tritium in Drinking Water," approved 2008 (reapproved 2002), referenced in Section 611.720.

ASTM Method D4327-97, "Standard Test Method for Anions in Water by Ion Chromatography," approved 1997, referenced in Section 611.611.

ASTM Method D4327-03, "Standard Test Method for Anions in Water by Ion Chromatography," approved 2003, referenced in Section 611.611.

ASTM Method D4785-93, "Standard Test Method for Low-Level Iodine-131 in Water," approved 1993, referenced in Section 611.720.

ASTM Method D4785-98, "Standard Test Method for Low-Level Iodine-131 in Water," approved 1998, referenced in Section 611.720.

ASTM Method D4785-08, "Standard Test Method for Low-Level Iodine-131 in Water," approved 2008, referenced in Section 611.720.

ASTM Method D5174-97, "Standard Test Method for Trace Uranium in Water by Pulsed-Laser Phosphorimetry," approved

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

1997, referenced in Section 611.720.

ASTM Method D5174-02, "Standard Test Method for Trace Uranium in Water by Pulsed-Laser Phosphorimetry," approved 2002, referenced in Section 611.720.

ASTM Method D5174-07, "Standard Test Method for Trace Uranium in Water by Pulsed-Laser Phosphorimetry," approved 2007, referenced in Section 611.720.

ASTM Method D5317-93, "Standard Test Method for Determination of Chlorinated Organic Acid Compounds in Water by Gas Chromatography with an Electron Capture Detector," approved 1993, referenced in Section 611.645.

ASTM Method D5317-98, "Standard Test Method for Determination of Chlorinated Organic Acid Compounds in Water by Gas Chromatography with an Electron Capture Detector," approved 1998 (reapproved 2003), referenced in Section 611.645.

ASTM Method D5673-03, "Standard Test Method for Elements in Water by Inductively Coupled Plasma-Mass Spectrometry," approved 2003, referenced in Section 611.720.

ASTM Method D5673-05, "Standard Test Method for Elements in Water by Inductively Coupled Plasma-Mass Spectrometry," approved 2005, referenced in Section 611.720.

[ASTM Method D5673-10, "Standard Test Method for Elements in Water by Inductively Coupled Plasma-Mass Spectrometry," approved 2010, referenced in Section 611.720.](#)

[ASTM Method D6239-09, "Standard Test Method for Uranium in Drinking Water by High-Resolution Alpha-Liquid-Scintillation Spectrometry," approved 2009, referenced in Section 611.720.](#)

ASTM Method D6508-00(2005), "Standard Test Method for Determination of Dissolved Inorganic Anions in Aqueous Matrices

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Using Capillary Ion Electrophoresis and Chromate Electrolyte," approved 2000 (revised 2005), referenced in Section 611.611.

ASTM Method D6581-00, "Standard Test Method for Bromate, Bromide, Chlorate, and Chlorite in Drinking Water by Chemically Suppressed Ion Chromatography," approved 2000, referenced in Section 611.381.

ASTM Method D6581-08 A and B, "Standard Test Method for Bromate, Bromide, Chlorate, and Chlorite in Drinking Water by Suppressed Ion Chromatography," "Test Method A – Chemically Suppressed Ion Chromatography" & "Test Method B – Electrolytically Suppressed Ion Chromatography," approved 2008, referenced in Section 611.381.

ASTM Method D6919-03, "Standard Test Method for Determination of Dissolved Alkali and Alkaline Earth Cations and Ammonium in Water and Wastewater by Ion Chromatography," approved 2003, referenced in Section 611.611.

ASTM Method D6919-09, "Standard Test Method for Determination of Dissolved Alkali and Alkaline Earth Cations and Ammonium in Water and Wastewater by Ion Chromatography," approved 2009, referenced in Section 611.611.

ASTM Method D6888-04, "Standard Test Method for Available Cyanide with Ligand Displacement and Flow Injection Analysis (FIA) Utilizing Gas Diffusion Separation and Amperometric Detection," approved 2004, referenced in Section 611.611.

[BOARD NOTE: The most recent version of ASTM methods are available for paid download from the ASTM at \[www.astm.org\]\(http://www.astm.org\). Note that the most recent version of an ASTM method may not be the version approved for use by USEPA and incorporated by reference in subsection \(b\) of this Section.](#)

Bran & Luebbe, 1025 Busch Parkway, Buffalo Grove, IL 60089.

"Fluoride in Water and Wastewater," Industrial Method #129-

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

71W, December 1972 (referred to as "Technicon Methods, Method #129-71W"). See 40 CFR 141.23(k)(1), footnote 11 ([\(2012\)\(2011\)](#)), referenced in Section 611.611.

"Fluoride in Water and Wastewater," #380-75WE, February 1976 (referred to as "Technicon Methods, Method #380-75WE"). See 40 CFR 141.23(k)(1), footnote 11 ([\(2012\)\(2011\)](#)), referenced in Section 611.611.

Charm Sciences, Inc., 659 Andover St., Lawrence, MA 01843-1032:

"Charm E*Colite Presence/Absence Test for Detection and Identification of Coliform Bacteria and Escherichia coli in Drinking Water," January 9, 1998 (referred to as "E*Colite Test"), referenced in Section 611.802 (also available from USEPA, Water Resource Center).

CPI International, Inc., 5580 Skylane Blvd., Santa Rosa, CA 95403 (800-878-7654 /fax: 707-545-7901/Internet address: www.cpiinternational.com).

"Colitag® Product as a Test for Detection and Identification of Coliforms and E. coli Bacteria in Drinking Water and Source Water as Required in National Primary Drinking Water Regulations," August 2001, referenced in Section 611.526.

"Modified Colitag™ Test Method for Simultaneous Detection of E. coli and other Total Coliforms in Water (ATP D05-0035)," August 2009 (referred to as "Modified Colitag™ Method"), referenced in Sections 611.526 and 611.802. See also NEMI.

EMD Chemicals Inc. (an affiliate of Merck KGaA, Darmstadt, Germany), 480 S. Democrat Road, Gibbstown, NJ 08027-1297. (800-222-0342/e-mail: adellenbusch@emscience.com).

"Chromocult® Coliform Agar Presence/Absence Membrane Filter Test Method for Detection and Identification of Coliform Bacteria and Escherichia coli in Finished Waters," November 2000 referred

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

to as "Chromocult® Method, Version 1.0, referenced in Sections 611.526 and 611.802.

"Readycult Coliforms 100 Presence/Absence Test for Detection and Identification of Coliform Bacteria and Escherichia coli in Finished Waters," November 2000 (referred to as Readycult® 2000), Version 1.0, referenced in Section 611.526.

"Readycult Coliforms 100 Presence/Absence Test for Detection and Identification of Coliform Bacteria and Escherichia coli in Finished Waters," Version 1.1, January 2007 (referred to as Readycult® 2007), referenced in Section 611.802.

Georgia Tech Research Institute, Robert Rosson, 925 Dalney Road, Atlanta, GA 30332 (404-407-6339).

"The Determination of Radium-226 and Radium-228 in Drinking Water by Gamma-ray Spectrometry Using HPGE or Ge(Li) Detectors," Revision 1.2, December 2004 (called "Georgia Radium Method"), referenced in Section 611.720.

Great Lakes Instruments, Inc., 8855 North 55th Street, Milwaukee, WI 53223.

GLI Method 2, "Turbidity," Nov. 2, 1992, referenced in Section 611.531.

H&E Testing Laboratory, 221 State Street, Augusta, ME 04333 (207-287-2727).

Method ME355.01, Revision 1, "Determination of Cyanide in Drinking Water by GC/MS Headspace Analysis," May 2009, referenced in Section 611.611. See also NEMI.

The Hach Company, P.O. Box 389, Loveland, CO 80539-0389 (800-227-4224/Internet address: www.hach.com).

"Lead in Drinking Water by Differential Pulse Anodic Stripping Voltammetry," Method 1001, August 1999, referenced in Section

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

611.611.

"Determination of Turbidity by Laser Nephelometry," January 2000, Revision 2.0 (referred to as "Hach FilterTrak Method 10133"), referenced in Section 611.531.

"Total Coliforms and E. coli Membrane Filtration Method with m-ColiBlue24® Broth," Method No. 10029, Revision 2, August 17, 1999 (referred to as "m-ColiBlue24 Test"), referenced in Section 611.802 (also available from USEPA, Water Resource Center).

"Fluoride, USEPA SPADNS 2 Method 10225," revision 2.0, January 2011 (referred to as "Hach SPADNS 2 Method 10225"), referenced in Section 611.611.

"Hach Company TNTplus 835/836 Nitrate Method 10206 – Spectrophotometric Measurement of Nitrate in Water and Wastewater," revision 2.0, January 2011 (referred to as "Hach TNTplus 835/836 Method 10206"), referenced in Section 611.611.

IDEXX Laboratories, Inc., One IDEXX Drive, Westbrook, Maine 04092 (800-321-0207).

"IDEXX SimPlate™ HPC Test Method for Heterotrophs in Water," November 2000 (referred to as "SimPlate method"), referenced in Section 611.531.

Industrial Test Systems, Inc., 1875 Langston St., Rock Hill, SC 29730.

Method D99-003, Revision 3.0, "Free Chlorine Species (HOCl⁻ and OCl⁻) by Test Strip," November 21, 2003 (referred to as "ITS Method D99-003"), referenced in Section 611.381.

Lachat Instruments, 6645 W. Mill Rd., Milwaukee, WI 53218 (414-358-4200).

"Digestion and distillation of total cyanide in drinking and wastewaters using MICRO DIST and determination of cyanide by flow injection analysis," Revision 2.1, November 30, 2000

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

(referred to as "QuikChem Method 10-204-00-1-X"), referenced in Section 611.611.

Leck Mitchell, PhD, PE, 656 Independence Valley Dr., Grand Junction, CO 81507. See also NEMI.

Mitchell Method M5271, "Determination of Turbidity by Laser Nephelometry," March 2009, referenced in Section 611.531.

Mitchell Method M5331, "Determination of Turbidity by LED Nephelometry," March 2009, referenced in Section 611.531.

Millipore Corporation, Technical Services Department, 80 Ashby Road, Milford, MA 01730 (800-654-5476).

Colisure Presence/Absence Test for Detection and Identification of Coliform Bacteria and Escherichia Coli in Drinking Water, February 28, 1994 (referred to as "Colisure Test"), referenced in Section 611.526.

NCRP. National Council on Radiation Protection, 7910 Woodmont Ave., Bethesda, MD (301-657-2652).

NCRP Report Number 22, "Maximum Permissible Body Burdens and Maximum Permissible Concentrations of Radionuclides in Air and in Water for Occupational Exposure," NCRP Report Number 22, June 5, 1959, referenced in Section 611.101.

NEMI. National Environmental Method Index (on-line at www.nemi.gov).

AMI Turbiwell Method, "Continuous Measurement of Turbidity Using a SWAN AMI Turbiwell Turbidimeter," August 2009. See also SWAN Analytische Instrumente AG.

Method ME355.01, Revision 1, "Determination of Cyanide in Drinking Water by GC/MS Headspace Analysis," May 2009, referenced in Section 611.611. See also H&E Testing Laboratory.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Mitchell Method M5271, "Determination of Turbidity by Laser Nephelometry," March 2009, referenced in Section 611.531. See also Leck Mitchell, PhD, PE.

Mitchell Method M5331, "Determination of Turbidity by LED Nephelometry," March 2009, referenced in Section 611.531. See also Leck Mitchell, PhD, PE

Modified Colitag™ Method, "Modified Colitag™ Test Method for Simultaneous Detection of E. coli and other Total Coliforms in Water (ATP D05-0035)," August 2009, referenced in Sections 611.526 and 611.802. See also CPI International, Inc.

Orion Method AQ4500, "Determination of Turbidity by LED Nephelometry," May 2009, referenced in Section 611.531. See also Thermo Scientific.

Palintest ChloroSense, "Measurement of Free and Total Chlorine in Drinking Water by Palintest ChloroSense," September 2009 (referred to as "Palintest ChloroSense"), referenced in Sections 611.381 and 611.531. See also Palintest.

"Systea Easy (1-Reagent) Nitrate Method," referenced in Section 611.611. See also Systea Scientific, LLC.

NSF. National Sanitation Foundation International, 3475 Plymouth Road, PO Box 130140, Ann Arbor, Michigan 48113-0140 (734-769-8010).

NSF Standard 61, section 9, November 1998, referenced in Sections 611.126 and 611.356.

NTIS. National Technical Information Service, U.S. Department of Commerce, [5301 Shawnee Road, Alexandria, VA 22312 \(703-605-6000 or 800-553-6847, www.ntis.gov\)](http://www.ntis.gov)~~5285 Port Royal Road, Springfield, VA 22161 (703-487-4600 or 800-553-6847).~~

Dioxin and Furan Method 1613, Revision B, "Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution HRGC/HRMS," October 1994, Revision B, EPA 821/B-94/005,

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Doc. No. 94-104774, referenced in Section 611.645. See also USEPA, NSCEP.

Kelada 01, "Kelada Automated Test Methods for Total Cyanide, Acid Dissociable Cyanide, and Thiocyanate," Revision 1.2, August 2001, EPA 821/B-01-009, referenced in Section 611.611.

"Maximum Permissible Body Burdens and Maximum Permissible Concentrations of Radionuclides in Air and in Water for Occupational Exposure," NBS (National Bureau of Standards) Handbook 69, as amended August 1963, U.S. Department of Commerce, referenced in Section 611.330.

"Procedures for Radiochemical Analysis of Nuclear Reactor Aqueous Solutions," H.L. Krieger and S. Gold, EPA-R4-73-014, May 1973, Doc. No. PB222-154/7BA, referenced in Section 611.720.

USEPA Asbestos Method 100.1, "Analytical Method for Determination of Asbestos Fibers in Water," EPA 600/4-83-043, September 1983, Doc. No. PB83-260471, referenced in Section 611.611. See also USEPA, NSCEP.

USEPA Asbestos Method 100.2, "Determination of Asbestos Structures over 10-mm in Length in Drinking Water," EPA 600/R-94-134, June 1994, Doc. No. PB94-201902, referenced in Section 611.611. See also USEPA, NSCEP.

USEPA Environmental Inorganic Methods, "Methods for the Determination of Inorganic Substances in Environmental Samples," August 1993, EPA 600/R-93-100, Doc. No. PB94-121811, referenced in Sections 611.381, 611.531, and 611.611. (Methods 180.1 (rev. 2.0), 300.0 (rev. 2.1), 335.4 (rev. 1.0), 353.2 (rev. 2.0), and 365.1 (rev. 2.0) only.) See also USEPA, NSCEP.

USEPA Environmental Metals Methods, "Methods for the Determination of Metals in Environmental Samples – Supplement I," May 1994, EPA 600/R-94-111, Doc. No. PB95-125472, referenced in Sections 611.611, 611.612, and 611.720. (Methods

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

200.7 (rev. 4.4), 200.8 (rev. 5.3), 200.9 (rev. 2.2), and 245.1 (rev. 3.0) only.) See also USEPA, NSCEP.

USEPA Inorganic Methods, "Methods for Chemical Analysis of Water and Wastes," March 1983, EPA 600/4-79-020, Doc. No. PB84-128677, referenced in Section 611.611. (Methods 150.1, 150.2, and 245.2 only.) See also USEPA, NSCEP.

USEPA Interim Radiochemical Methods, "Interim Radiochemical Methodology for Drinking Water," EPA 600/4-75-008 (revised), Doc. No. PB253258, March 1976, referenced in Section 611.720.

USEPA OGWDW Methods, Method 326.0, Revision 1.0, "Determination of Inorganic Oxyhalide Disinfection By-Products in Drinking Water Using Ion Chromatography Incorporating the Addition of a Suppressor Acidified Postcolumn Reagent for Trace Bromate Analysis," June 2002, EPA 815/R-03/007, Doc. No. PB2003-107402, referenced in Sections 611.381 and 611.382. See also USEPA, NSCEP and USEPA, OGWDW.

USEPA Organic and Inorganic Methods, "Methods for the Determination of Organic and Inorganic Compounds in Drinking Water, Volume 1," August 2000, EPA 815/R-00/014, Doc. No. PB2000-106981, referenced in Section 611.381. (For methods 300.1 (rev. 1.0) and 321.8 (rev. 1.0).) See also USEPA, NSCEP.

USEPA Organic Methods, "Methods for the Determination of Organic Compounds in Drinking Water," December 1988 (revised July 1991), EPA 600/4-88/039, Doc. No. PB91-231480, referenced in Sections 611.645 and 611.648 (Methods 508A (rev. 1.0) and 515.1 (rev. 4.0) only); "Methods for the Determination of Organic Compounds in Drinking Water – Supplement I," July 1990, EPA 600/4-90/020, Doc. No. PB91-146027, referenced in Section 611.645 (Methods 547, 550, and 550.1 only); "Methods for the Determination of Organic Compounds in Drinking Water – Supplement II," August 1992, EPA 600/R-92/129, Doc. No. PB92-207703, referenced in Sections 611.381 and 611.645. (Methods 548.1 (rev. 1.0), 552.1 (rev. 1.0), and 555 (rev. 1.0) only); and "Methods for the Determination of Organic Compounds in Drinking

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Water – Supplement III," August 1995, EPA 600/R-95/131, Doc. No. PB95-261616, referenced in Sections 611.381, 611.645, and 611.648 (Methods 502.2 (rev. 2.1), 504.1 (rev. 1.1), 505 (rev. 2.1), 506 (rev. 1.1), 507 (rev. 2.1), 508 (rev. 3.1), 508.1 (rev. 2.0), 515.2 (rev. 1.1), 524.2 (rev. 4.1), 525.2 (rev. 2.0), 531.1 (rev. 3.1), 551.1 (rev. 1.0), and 552.2 (rev. 1.0) only.) See also USEPA, EMSL and USEPA, NSCEP.

USEPA Radioactivity Methods, "Prescribed Procedures for Measurement of Radioactivity in Drinking Water," EPA 600/4-80/032, August 1980, Doc. No. PB80-224744, referenced in Section 611.720 (Methods 900.0, 901.0, 901.1, 902.0, 903.0, 903.1, 904.0, 905.0, 906.0, 908.0, 908.1). See also USEPA, NSCEP.

USEPA Radiochemical Analyses, "Radiochemical Analytical Procedures for Analysis of Environmental Samples," March 1979, Doc. No. EMSL LV 053917, referenced in Section 611.720. (Pages 1-5, 19-32, 33-48, 65-73, 87-91, and 92-95 only.)

USEPA Radiochemistry Procedures, "Radiochemistry Procedures Manual," EPA 520/5-84-006, August 1984, Doc. No. PB84-215581 (referred to as ""), referenced in Section 611.720. (Methods 00-01, 00-02, 00-07, H-02, Ra-03, Ra-04, Ra-05, Sr-04 only.)

USEPA Technical Notes, "Technical Notes on Drinking Water Methods," EPA 600/R-94/173, October 1994, Doc. No. PB95-104766, referenced in Sections 611.531, 611.611, and 611.645. See also USEPA, NSCEP.

BOARD NOTE: USEPA made the following assertion with regard to this reference at 40 CFR 141.23(k)(1) and 141.24(e) and (n)(11) ~~(2011)~~ (2012): "This document contains other analytical test procedures and approved analytical methods that remain available for compliance monitoring until July 1, 1996." Also available online at <http://nepis.epa.gov/EPA/html/Pubs/pubtitleORD.htm> under the document designation "600R94173."

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

New Jersey Department of Environment, Division of Environmental Quality, Bureau of Radiation and Inorganic Analytical Services, 9 Ewing Street, Trenton, NJ 08625.

"Determination of Radium 228 in Drinking Water," August 1990 (referred to as "New Jersey Radium Method"), referenced in Section 611.720.

New York Department of Health, Radiological Sciences Institute, Center for Laboratories and Research, Empire State Plaza, Albany, NY 12201.

"Determination of Ra-226 and Ra-228 (Ra-02)," January 1980, Revised June 1982 (referred to as "New York Radium Method"), referenced in Section 611.720.

Palintest, Ltd., 21 Kenton Lands Road, P.O. Box 18395, Erlanger, KY (800-835-9629).

Palintest Method 1001, "Lead in Drinking Water by Differential Pulse Anodic Stripping Voltammetry," Method 1001, August 1999, referenced in Section 611.611.

Palintest ChloroSense, "Measurement of Free and Total Chlorine in Drinking Water by Palintest ChloroSense," September 2009, referenced in Sections 611.381 and 611.531. See also NEMI.

Standard Methods Online, available online from the Standard Methods Organization at www.standardmethods.org.

[Method 3112 B-09, Metals by Cold-Vapor Atomic Absorption Spectrometry, Cold-Vapor Atomic Absorption Spectrometric Method, referenced in Section 611.611.](#)

Method 3113 B-04, Metals by Electrothermal Atomic Absorption Spectrometry, Electrothermal Atomic Absorption Spectrometric Method, referenced in Sections 611.611 and 611.612.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Method 3114 B-04, Metals by Hydride Generation/Atomic Absorption Spectrometry, Manual Hydride Generation/Atomic Absorption Spectrometric Method, referenced in Section 611.611.

Method 6610 B-04, Carbamate Pesticides, High-Performance Liquid Chromatographic Method, referenced in Section 611.645.

Method 9230 B-04, Fecal Streptococcus and Enterococcus Groups, Multiple Tube Techniques, referenced in Section 611.802.

BOARD NOTE: Where, in appendix A to subpart C of 40 CFR 141 ~~(2012)(2011)~~, USEPA has authorized use of an approved alternative method from Standard Methods Online, and that version of the method appears also in Standard Methods, 21st ed., the Board cites only to Standard Methods, 21st ed. for that method. The methods that USEPA listed as available from Standard Methods Online, and which are listed above as in Standard Methods, 21st edition, are the following: 4500-P E-99 and 4500-P F-99; (for orthophosphate); 4500-SO₄⁻² C-97, 4500-SO₄⁻² D-97, 4500-SO₄⁻² E-97, and 4500-SO₄⁻² F-97 (for sulfate); 6640 B-01 (for 2,4-D, 2,4,5-TP (silvex) (dalapon, dinoseb, pentachlorophenol, and picloram); 5561 B-00 (for glyphosate); and 9223 B-97 (for E. coli). Since each method is the same version from both sources, the Board views a copy from Standard Methods Online as equivalent to a copy from Standard Methods Online, even though the Board does not also cite to Standard Methods Online. The Board intends that use of the version of the method that is incorporated by reference is acceptable from either source.

SWAN Analytische Instrumente AG, Studbachstrasse 13, CH-8340, Hinwil, Switzerland.

AMI Turbiwell Method, "Continuous Measurement of Turbidity Using a SWAN AMI Turbiwell Turbidimeter," August 2009, referenced in Section 611.531. See also NEMI.

Syngenta Crop Protection, Inc., 410 Swing Road, Post Office Box 18300, Greensboro, NC 27419 (336-632-6000).

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

"Atrazine in Drinking Water by Immunoassay," February 2001 (referred to as "Syngenta AG-625"), referenced in Section 611.645.

Systema Scientific LLC, 900 Jorie Blvd., Suite 35, Oak Brook, IL 60523.

Systema Easy (1-Reagent), "Systema Easy (1-Reagent) Nitrate Method," February 2009, referenced in Section 611.611. See also NEMI.

Thermo Scientific, 166 Cummings Center, Beverly, MA 01915 (www.thermo.com).

Orion Method AQ4500, "Determination of Turbidity by LED Nephelometry," May 2009, referenced in Section 611.531. See also NEMI.

USDOE, EML. United States Department of Energy, Environmental Measurements Laboratory, U.S. Department of Energy, 376 Hudson Street, New York, NY 10014-3621.

"EML Procedures Manual," HASL 300, 27th Edition, Volume 1, 1990 (referred to as "EML Procedures Manual (27th ed.)"), referenced in Section 611.720.

"EML Procedures Manual," HASL 300, 28th ed., 1997 (referred to as "EML Procedures Manual (28th ed.)"), referenced in Section 611.720.

USEPA, EMSL. United States Environmental Protection Agency, Environmental Monitoring and Support Laboratory, Cincinnati, OH 45268 (513-569-7586).

USEPA Interim Radiochemical Methods, "Interim Radiochemical Methodology for Drinking Water," EPA 600/4-75/008 (revised), March 1976, referenced in Section 611.720. See also NTIS.

USEPA Organic Methods, "Methods for the Determination of Organic Compounds in Drinking Water," December 1988 (revised

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

July 1991), EPA 600/4-88/039, referenced in Sections 611.645 and 611.648 (Methods 508A (rev. 1.0) and 515.1 (rev. 4.0) only); "Methods for the Determination of Organic Compounds in Drinking Water – Supplement I," July 1990, EPA 600/4-90/020, referenced in Sections 611.645 and 611.648 (Methods 547, 550, and 550.1 only); "Methods for the Determination of Organic Compounds in Drinking Water – Supplement II," August 1992, EPA 600/R-92/129, referenced in Sections 611.381 and 611.645 (Methods 548.1 (rev. 1.0), 552.1 (rev. 1.0), and 555 (rev. 1.0) only); "Methods for the Determination of Organic Compounds in Drinking Water – Supplement III," August 1995, EPA 600/R-95/131, referenced in Sections 611.381, 611.645, and 611.648 (Methods 502.2 (rev. 2.1), 504.1 (rev. 1.1), 505 (rev. 2.1), 506 (rev. 1.1), 507 (rev. 2.1), 508 (rev. 3.1), 508.1 (rev. 2.0), 515.2 (rev. 4.1), 524.2 (rev. 4.1), 525.2 (rev. 2.0), 551.1 (rev. 1.0), and 552.2 (rev. 1.0) only). See also NTIS and USEPA, NSCEP.

"Procedures for Radiochemical Analysis of Nuclear Reactor Aqueous Solutions," referenced in Section 611.720. See also NTIS.

USEPA, NSCEP. United States Environmental Protection Agency, National Service Center for Environmental Publications, P.O. Box 42419, Cincinnati, OH 45242-0419 (accessible on-line and available by download from <http://www.epa.gov/nscep/>).

Dioxin and Furan Method 1613, Revision B, "Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution HRGC/HRMS," October 1994, EPA 821/B-94/005, referenced in Section 611.645. See also NTIS.

Guidance Manual for Filtration and Disinfection, "Guidance Manual for Compliance with the Filtration and Disinfection Requirements for Public Water Systems Using Surface Water Sources," March 1991, EPA 570/3-91-001, referenced in Section 611.111.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

USEPA Asbestos Method 100.1, "Analytical Method for Determination of Asbestos Fibers in Water," September 1983, EPA 600/4-83-043, referenced in Section 611.611. See also NTIS.

USEPA Asbestos Method 100.2, "Determination of Asbestos Structures over 10-mm in Length in Drinking Water," June 1994, EPA 600/R-94-134, referenced in Section 611.611. See also NTIS.

USEPA Environmental Inorganic Methods, "Methods for the Determination of Inorganic Substances in Environmental Samples," August 1993, EPA 600/R-93-100, referenced in Sections 611.381, 611.531, and 611.611. (Methods 180.1 (rev. 2.0), 300.0 (rev. 2.1), 335.4 (rev. 1.0), 353.2 (rev. 2.0), and 365.1 (rev. 2.0) only.) See also NTIS.

USEPA Environmental Metals Methods, "Methods for the Determination of Metals in Environmental Samples – Supplement I," May 1994, EPA 600/R-94-111, referenced in Sections 611.611, 611.612, and 611.720. (Methods 200.7 (rev. 4.4), 200.8 (rev. 5.3), 200.9 (rev. 2.2), and 245.1 (rev. 3.0) only.) See also NTIS.

USEPA Inorganic Methods, "Methods for Chemical Analysis of Water and Wastes," March 1983, EPA 600/4-79-020, referenced in Section 611.611. (Methods 150.1, 150.2, and 245.2 only.) See also NTIS.

USEPA OGWDW Methods, Method 302.0, "Determination of Bromate in Drinking Water Using Two-Dimensional Ion Chromatography with Suppressed Conductivity Detection," September 2009, EPA 815/B-09/014, referenced in Sections 611.381 and 611.382. See also USEPA, OGWDW.

USEPA OGWDW Methods, Method 317.0, rev. 2.0, "Determination of Inorganic Oxyhalide Disinfection By-Products in Drinking Water Using Ion Chromatography with the Addition of a Postcolumn Reagent for Trace Bromate Analysis," July 2001, EPA 815/B-01/001, referenced in Sections 611.381 and 611.382. See also USEPA, OGWDW.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

USEPA OGWDW Methods, Method 326.0, rev. 1.0, "Determination of Inorganic Oxyhalide Disinfection By-Products in Drinking Water Using Ion Chromatography Incorporating the Addition of a Suppressor Acidified Postcolumn Reagent for Trace Bromate Analysis," June 2002, EPA 815/R-03/007, referenced in Sections 611.381 and 611.382. See also NTIS and USEPA, OGWDW.

USEPA OGWDW Methods, Method 327.0, rev. 1.1, "Determination of Chlorine Dioxide and Chlorite Ion in Drinking Water Using Lissamine Green B and Horseradish Peroxidase with Detection by Visible Spectrophotometry," May 2005, EPA 815/R-05/008, referenced in Sections 611.381 and 611.531. See also USEPA, OGWDW.

USEPA OGWDW Methods, Method 334.0, "Determination of Residual in Drinking Water Using an On-line Chlorine Analyzer," August 2009, EPA 815/B-09/013, referenced in Section 611.531. See also USEPA, OGWDW.

[USEPA OGWDW Methods, Method 523, ver. 1.0, "Determination of Triazine Pesticides and Other Degradates in Drinking Water by Gas Chromatography/Mass Spectrometry \(GC/MS\)," February 2011, EPA 815/R-11/002, referenced in Section 611.645. See also USEPA, OGWDW.](#)

USEPA OGWDW Methods, Method 531.2, rev. 1.0, "Measurement of N-methylcarbamoyloximes and N-methylcarbamates in Water by Direct Aqueous Injection HPLC with Postcolumn Derivatization," September 2001, EPA 815/B-01/002 (document file name "met531_2.pdf"), referenced in Section 611.645. See also USEPA, OGWDW.

USEPA OGWDW Methods, Method 552.3, rev. 1.0, "Determination of Haloacetic Acids and Dalapon in Drinking Water by Liquid-Liquid Microextraction, Derivatization, and Gas Chromatography with Electron Capture Detection," July 2003, EPA 815/B-03/002, referenced in Sections 611.381 and 611.645.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

USEPA OGWDW Methods, Method 557, "Determination of Haloacetic Acids, Bromate, and Dalapon in Drinking Water by Ion Chromatography Electrospray Ionization Tandem Mass Spectrometry," July 2003, EPA 815/B-03/002, referenced in Sections 611.381, 611.382, and 611.645. See also USEPA, OGWDW.

USEPA OGWDW Methods, Method 1622 (01), "Cryptosporidium in Water by Filtration/IMS/FA," April 2001, EPA 821/R-01/026, referenced in Section 611.1007. See also USEPA, OGWDW.

USEPA Organic and Inorganic Methods, "Methods for the Determination of Organic and Inorganic Compounds in Drinking Water, Volume 1," August 2000, EPA 815/R-00/014, referenced in Section 611.381. (Methods 300.1 (rev. 1.0) and 321.8 (rev. 1.0) only.) See also NTIS.

USEPA Organic Methods, "Methods for the Determination of Organic Compounds in Drinking Water," December 1988, revised July 1991, EPA 600/4-88/039, referenced in Sections 611.645 and 611.648 (Methods 508A (rev. 1.0) and 515.1 (rev. 4.0) only); "Methods for the Determination of Organic Compounds in Drinking Water – Supplement I," July 1990, EPA 600/4-90/020, referenced in Section 611.645 and 611.648 (Methods 547, 550, and 550.1 only); "Methods for the Determination of Organic Compounds in Drinking Water – Supplement II," August 1992, EPA 600/R-92/129, referenced in Sections 611.381 and 611.645 (Methods 548.1 (rev. 1.0), 552.1 (rev. 1.0), and 555 (rev. 1.0) only); "Methods for the Determination of Organic Compounds in Drinking Water – Supplement III," August 1995, EPA 600/R-95/131, referenced in Sections 611.381, 611.645, and 611.648 (Methods 502.2 (rev. 2.1), 504.1 (rev. 1.1), 505 (rev. 2.1), 506 (rev. 1.1), 507 (rev. 2.1), 508 (rev. 3.1), 508.1 (rev. 2.0), 515.2 (rev. 4.1), 524.2 (rev. 4.1), 525.2 (rev. 2.0), 531.1 (rev. 3.1), 551.1 (rev. 1.0), and 552.2 (rev. 1.0) only). See also NTIS and USEPA, EMSL.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

USEPA Radioactivity Methods, "Prescribed Procedures for Measurement of Radioactivity in Drinking Water," August 1980, EPA 600/4-80/032, referenced in Section 611.720. (For methods 900.0, 901, 901.1, 902, 903, 903.1, 904, 905, 906, 908, 908.1 only.) See also NTIS.

USEPA Technical Notes, "Technical Notes on Drinking Water Methods," October 1994, EPA 600/R-94/173, referenced in Sections 611.531, 611.611, and 611.645. See also NTIS.

BOARD NOTE: USEPA made the following assertion with regard to this reference at 40 CFR 141.23(k)(1) and 141.24(e) and (n)(11) ~~(2012)(2011)~~: "This document contains other analytical test procedures and approved analytical methods that remain available for compliance monitoring until July 1, 1996." Also available online at <http://nepis.epa.gov/EPA/html/Pubs/pubtitleORD.htm> under the document designation "600R94173."

USEPA, OGWDW. United States Environmental Protection Agency, Office of Ground Water and Drinking Water (accessible on-line and available by download from <http://www.epa.gov/safewater/methods/>).

USEPA OGWDW Methods, Method 302.0, "Determination of Bromate in Drinking Water Using Two-Dimensional Ion Chromatography with Suppressed Conductivity Detection," September 2009, EPA 815/B-09/014, referenced in Section 611.381. See also USEPA, NSCEP.

USEPA OGWDW Methods, Method 317.0, rev. 2.0, "Determination of Inorganic Oxyhalide Disinfection By-Products in Drinking Water Using Ion Chromatography with the Addition of a Postcolumn Reagent for Trace Bromate Analysis," USEPA, July 2001, EPA 815/B-01/001, referenced in Section 611.381. See also USEPA, NSCEP.

USEPA OGWDW Methods, Method 326.0, rev. 1.0, "Determination of Inorganic Oxyhalide Disinfection By-Products in Drinking Water Using Ion Chromatography Incorporating the

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Addition of a Suppressor Acidified Postcolumn Reagent for Trace Bromate Analysis," USEPA, June 2002, EPA 815/R-03/007, referenced in Section 611.381. See also NTIS and USEPA, NSCEP.

USEPA OGWDW Methods, Method 327.0, rev. 1.1, "Determination of Chlorine Dioxide and Chlorite Ion in Drinking Water Using Lissamine Green B and Horseradish Peroxidase with Detection by Visible Spectrophotometry," USEPA, May 2005, EPA 815/R-05/008, referenced in Sections 611.381 and 611.531. See also USEPA, NSCEP.

USEPA OGWDW Methods, Method 334.0, "Determination of Residual in Drinking Water Using an On-line Chlorine Analyzer," USEPA, August 2009, EPA 815/B-09/013, referenced in Section 611.531. See also USEPA, NSCEP.

USEPA OGWDW Methods, Method 515.4, rev. 1.0, "Determination of Chlorinated Acids in Drinking Water by Liquid-Liquid Microextraction, Derivatization and Fast Gas Chromatography with Electron Capture Detection," April 2000, EPA 815/B-00/001 (document file name "met515_4.pdf"), referenced in Section 611.645.

[USEPA OGWDW Methods, Method 523, ver. 1.0, "Determination of Triazine Pesticides and Other Degradates in Drinking Water by Gas Chromatography/Mass Spectrometry \(GC/MS\)," February 2011, EPA 815/R-11/002, referenced in Section 611.645. See also USEPA, NSCEP.](#)

USEPA OGWDW Methods, Method 524.3, rev. 1.0, "Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry," June 2009, EPA 815/B-09/009 (referred to as "Method 524.3 (rev. 1.0)"), referenced in Sections 611.381 and 611.645.

USEPA OGWDW Methods, Method 531.2, rev. 1.0, "Measurement of N-methylcarbamoyloximes and N-methylcarbamates in Water by Direct Aqueous Injection HPLC

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

with Postcolumn Derivatization," September 2001, EPA 815/B-01/002 (document file name "met531_2.pdf"), referenced in Section 611.645. See also USEPA, NSCEP.

[USEPA OGWDW Methods, Method 536, ver. 1.0, "Determination of Triazine Pesticides and Other Degradates in Drinking Water by Liquid Chromatography Electrospray Ionization Tandem Mass Spectrometry \(LC/ESI-MS/MS\)," October 2007, EPA 815/R-07/002, referenced in Section 611.645.](#)

USEPA OGWDW Methods, Method 552.3, rev. 1.0, "Determination of Haloacetic Acids and Dalapon in Drinking Water by Liquid-liquid Microextraction, Derivatization, and Gas Chromatography with Electron Capture Detection," USEPA, July 2003, EPA 815/B-03/002, referenced in Sections 611.381 and 611.645.

USEPA OGWDW Methods, Method 557, "Determination of Haloacetic Acids, Bromate, and Dalapon in Drinking Water by Ion Chromatography Electrospray Ionization Tandem Mass Spectrometry," July 2003, EPA 815/B-03/002, referenced in Sections 611.381 and 611.645. See also USEPA, NSCEP.

USEPA OGWDW Methods, Method 1622 (05), "Method 1622: Cryptosporidium in Water by Filtration/IMS/FA," December 2005, EPA 815/R-05/001, referenced in Sections 611.1004 and 611.1007.

USEPA OGWDW Methods, Method 1622 (01), "Method 1622: Cryptosporidium in Water by Filtration/IMS/FA," April 2001, EPA 821/R-01/026, referenced in Section 611.1007. See also USEPA, NSCEP.

USEPA OGWDW Methods, Method 1622 (99), "Method 1622: Cryptosporidium in Water by Filtration/IMS/FA," April 1999, EPA 821/R-99/001, referenced in Section 611.1007.

USEPA OGWDW Methods, Method 1623 (05), "Method 1623: Cryptosporidium and Giardia in Water by Filtration/IMS/FA,"

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

December 2005, EPA 815/R-05/002, referenced in Sections 611.1004 and 611.1007.

USEPA OGWDW Methods, Method 1623 (01), "Method 1623: Cryptosporidium and Giardia in Water by Filtration/IMS/FA," April 2001, EPA 821/R-01/025, referenced in Section 611.1007.

USEPA OGWDW Methods, Method 1623 (99), "Method 1623: Cryptosporidium and Giardia in Water by Filtration/IMS/FA," January 1999, EPA 821/R-99/006, referenced in [Section Sections](#) 611.1007.

[USEPA OGWDW Methods, Method 1623.1, "Method 1623.1: Cryptosporidium and Giardia in Water by Filtration/IMS/FA," January 2012, EPA 8161/R-12/001, referenced in Section 611.1004.](#)

BOARD NOTE: Many of the above-listed documents available from the USEPA, Office of Ground Water and Drinking Water are also listed as available from NTIS.

USEPA, ORD. USEPA, Office of Research and Development, National Exposure Research Laboratory, Microbiological & Chemical Exposure Assessment Research Division (accessible on-line and available by download from <http://www.epa.gov/nerlcwww/ordmeth.htm>).

USEPA NERL Method 200.5, rev. 4.2, "Determination of Trace Elements in Drinking Water by Axially Viewed Inductively Coupled Plasma – Atomic Emission Spectrometry," October 2003, EPA 600/R-06/115, referenced in Sections 611.611 and 611.612.

USEPA NERL Method 415.3, rev. 1.1, "Determination of Total Organic Carbon and Specific UV Absorbance at 254 nm in Source Water and Drinking Water," February 2005, EPA 600/R-05/055, referenced in Section 611.381.

USEPA NERL Method 415.3, rev. 1.2, "Determination of Total Organic Carbon and Specific UV Absorbance at 254 nm in Source

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Water and Drinking Water," February 2005, EPA 600/R-09/122, referenced in Section 611.381.

[USEPA NERL Method 525.3, ver. 1.0, "Determination of Total Semivolatile Organic Chemicals in Drinking Water by Solid Phase Extraction and Capillary Column Gas Chromatography/Mass Spectrometry \(GC/MS\)," February 2012, EPA 600/R-12/010, referenced in Section 611.645.](#)

USEPA NERL Method 549.2, rev. 1.0, "Determination of Diquat and Paraquat in Drinking Water by Liquid-Solid Extraction and High Performance Liquid Chromatography with Ultraviolet Detection," June 1997.

USEPA Water Resource Center (RC-4100T), 1200 Pennsylvania Avenue, NW, Washington, DC 20460:

E*Colite Test, "Charm E*Colite Presence/Absence Test for Detection and Identification of Coliform Bacteria and Escherichia coli in Drinking Water," January 9, 1998, referenced in Section 611.802. See also Charm Sciences, Inc.

m-ColiBlue24 Test, "Total Coliforms and E. coli Membrane Filtration Method with m-ColiBlue24® Broth," Method No. 10029, rev. 2, August 17, 1999, referenced in Section 611.802. See also The Hach Company.

USEPA Method 1600, "EPA Method 1600: Enterococci in Water by Membrane Filtration Using Membrane-Enterococcus Indoxyl-b-D-Glucoside Agar (mEI)," September 2002, EPA 821/R-02/022 is an approved variation of Standard Methods, Method 9230 C, "Fecal Streptococcus and Enterococcus Groups, Membrane Filter Techniques" (which has not itself been approved for use by USEPA) (accessible on-line and available by download from <http://www.epa.gov/nerlcwww/1600sp02.pdf>), referenced in Section 611.802.

USEPA Method 1601, "Method 1601: Male-specific (F⁺) and Somatic Coliphage in Water by Two-step Enrichment Procedure,"

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

April 2001, EPA 821/R-01/030 (accessible on-line and available by download from <http://www.epa.gov/nerlcwww/1601ap01.pdf>), referenced in Section 611.802.

USEPA Method 1602, "Method 1602: Male-specific (F⁺) and Somatic Coliphage in Water by Single Agar Layer (SAL) Procedure," April 2001, EPA 821/R-01/029 (accessible on-line and available by download from <http://www.epa.gov/nerlcwww/1602ap01.pdf>), referenced in Section 611.802.

USEPA Method 1604, "Method 1604: Total Coliforms and Escherichia coli in Water by Membrane Filtration Using a Simultaneous Detection Technique (MI Medium)," September 2002, EPA 821/R-02/024 (accessible on-line and available by download from <http://www.epa.gov/nerlcwww/1604sp02.pdf>), referenced in Section 611.802.

USGS. ~~Books and Open File Reports Section~~, United States Geological Survey, Federal Center, Box 25286, Denver, CO 80225-0425.

~~Method~~Methods available upon request by method number from "Methods for Analysis by the U.S. Geological Survey National Water Quality Laboratory – Determination of Inorganic and Organic Constituents in Water and Fluvial Sediments," Open File Report 93-125, 1993, ~~or Book 5, Chapter A-1, "Methods for Determination of Inorganic Substances in Water and Fluvial Sediments," 3rd ed., Open File Report 85-495, 1989, as appropriate~~ (referred to as "USGS Methods").

~~I-1030-85, referenced in Section 611.611.~~

~~I-1601-85, referenced in Section 611.611.~~

~~I-1700-85, referenced in Section 611.611.~~

~~I-2598-85, referenced in Section 611.611.~~

I-2601-90, referenced in Section 611.611.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

~~[I-2700-85, referenced in Section 611.611.](#)~~

~~[I-3300-85, referenced in Section 611.611.](#)~~

[Methods available upon request by method number from Book 5, Chapter A-1, "Methods for Determination of Inorganic Substances in Water and Fluvial Sediments," 3rd ed., USGS Techniques of Water-Resource Investigation: 05-A1, 1989 \(referred to as "USGS Methods"\).](#)

[I-1030-85, referenced in Section 611.611.](#)

[I-1601-85, referenced in Section 611.611.](#)

[I-1700-85, referenced in Section 611.611.](#)

[I-2598-85, referenced in Section 611.611.](#)

[I-2700-85, referenced in Section 611.611.](#)

[I-3300-85, referenced in Section 611.611.](#)

Methods available upon request by method number from "Methods for Determination of Radioactive Substances in Water and Fluvial Sediments," Chapter A5 in Book 5 of "Techniques of Water-Resources Investigations of the United States Geological Survey," ~~1977~~[1997](#).

[R-1110-76, referenced in Section 611.720.](#)

[R-1111-76, referenced in Section 611.720.](#)

[R-1120-76, referenced in Section 611.720.](#)

[R-1140-76, referenced in Section 611.720.](#)

[R-1141-76, referenced in Section 611.720.](#)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

R-1142-76, referenced in Section 611.720.

R-1160-76, referenced in Section 611.720.

R-1171-76, referenced in Section 611.720.

R-1180-76, referenced in Section 611.720.

R-1181-76, referenced in Section 611.720.

R-1182-76, referenced in Section 611.720.

[BOARD NOTE: USGS methods are freely available for download in an electronic format from the USGS Publications Warehouse at \[pubs.er.usgs.gov/\]\(http://pubs.er.usgs.gov/\). Sections 611.611 and 611.720 do not distinguish the volume in which each USGS method appears. The distinction as to which volume where a particular method appears is made in this incorporation by reference.](#)

Waters Corporation, Technical Services Division, 34 Maple St., Milford, MA 01757 (800-252-4752 or [508-478-2000](tel:508-478-2000), www.waters.com~~508-482-2131~~, fax: ~~508-482-3625~~).

"Waters Test Method for Determination of Nitrite/Nitrate in Water Using Single Column Ion Chromatography," Method B-1011, August 1987 (referred to as "Waters Method B-1011"), referenced in Section 611.611.

c) The Board incorporates the following federal regulations by reference:

40 CFR 3.2 ~~(2012)~~(~~2014~~) (How Does This Part Provide for Electronic Reporting?), referenced in Section 611.105.

40 CFR 3.3 ~~(2012)~~(~~2014~~) (What Definitions Are Applicable to This Part?), referenced in Section 611.105.

40 CFR 3.10 ~~(2012)~~(~~2014~~) (What Are the Requirements for Electronic Reporting to EPA?), referenced in Section 611.105.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

40 CFR 3.2000 ~~(2012)(2011)~~ (What Are the Requirements Authorized State, Tribe, and Local Programs' Reporting Systems Must Meet?), referenced in Section 611.105.

40 CFR 136.3(a) ~~(2012)(2011)~~, referenced in Section 611.1004.

Appendix B to 40 CFR 136 ~~(2012)(2011)~~, referenced in Sections 611.359, 611.609, and 611.646.

40 CFR 142.20(b)(1) ~~(2012)(2011)~~, referenced in Section 611.112.

- d) This Part incorporates no later amendments or editions.

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

SUBPART F: MAXIMUM CONTAMINANT LEVELS (MCLs)
AND MAXIMUM RESIDUAL DISINFECTANT LEVELS (MRDLs)

Section 611.300 Old MCLs for Inorganic Chemical Contaminants

- a) The old MCLs listed in subsection (b) of this Section for inorganic chemical contaminants (IOCs) apply only to CWS suppliers. Compliance with old MCLs for inorganic chemicals is calculated pursuant to Section 611.612, ~~except that analyses and determination of compliance with the 0.05 mg/ℓ MCL for arsenic are to be performed pursuant to Sections 611.600 through 611.611.~~

BOARD NOTE: ~~Formerly derived~~ Derived from 40 CFR 141.11(a), this subsection (a) has become an additional State requirement. (2002).

- b) The following are the old MCLs for IOCs:

Contaminant	Level, mg/ℓ	Additional State Requirement (*)
Arsenic, until January 23, 2006	0.05	
Iron	1.0	*
Manganese	0.15	*
Zinc	5.	*

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

BOARD NOTE: ~~Formerly derived~~Derived from 40 CFR 141.11(b), ~~this (2002)~~. This subsection (b) ~~will~~has become an additional State requirement ~~after expiration of the old arsenic MCL on the January 23, 2006 effective date of the federal amendments that instituted a new MCL for Arsenic.~~

- c) This subsection corresponds with 40 CFR 141.11(c), marked as reserved by USEPA. This statement maintains structural parity with the federal rules.
- d) Nitrate.
Non-CWSs may exceed the MCL for nitrate under the following circumstances:
 - 1) The nitrate level must not exceed 20 mg/l,
 - 2) The water must not be available to children under six months of age,
 - 3) The NCWS supplier is meeting the public notification requirements under Section 611.909, including continuous posting of the fact that the nitrate level exceeds 10 mg/l together with the potential health effects of exposure,
 - 4) The supplier will annually notify local public health authorities and the Department of Public Health of the nitrate levels that exceed 10 mg/l, and
 - 5) No adverse public health effects result.

BOARD NOTE: Derived from 40 CFR 141.11(d) ~~(2012)~~(2002). The Department of Public Health regulations may impose a nitrate limitation requirement. Those regulations are at 77 Ill. Adm. Code 900.50.

- e) The following supplementary condition applies to the MCLs listed in subsection (b) of this Section for iron and manganese:
 - 1) CWS suppliers that serve a population of 1000 or fewer, or 300 service connections or fewer, are exempt from the standards for iron and manganese.
 - 2) The Agency may, by a SEP issued pursuant to Section 611.110, allow iron and manganese in excess of the MCL if sequestration tried on an experimental basis proves to be effective. If sequestration is not effective,

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

positive iron or manganese reduction treatment as applicable must be provided. Experimental use of a sequestering agent may be tried only if approved by a SEP issued pursuant to Section 611.110.

BOARD NOTE: ~~This~~The requirements of this subsection (e) ~~is~~are an additional State requirement.

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

Section 611.301 Revised MCLs for Inorganic Chemical Contaminants

- a) This subsection corresponds with 40 CFR 141.62(a), reserved by USEPA. This statement maintains structural consistency with USEPA rules.
- b) The MCLs in the following table apply to CWSs. Except for fluoride, the MCLs also apply to NTNCWSs. The MCLs for nitrate, nitrite, and total nitrate and nitrite also apply to transient non-CWSs.

Contaminant	MCL	Units
Antimony	0.006	mg/l
Arsenic (effective January 23, 2006)	0.010	mg/l
Asbestos	7	MFL
Barium	2	mg/l
Beryllium	0.004	mg/l
Cadmium	0.005	mg/l
Chromium	0.1	mg/l
Cyanide (as free CN ⁻)	0.2	mg/l
Fluoride	4.0	mg/l
Mercury	0.002	mg/l
Nitrate (as N)	10	mg/l
Nitrite (as N)	1	mg/l
Total Nitrate and Nitrite (as N)	10	mg/l
Selenium	0.05	mg/l
Thallium	0.002	mg/l

BOARD NOTE: See Section 611.300(d) for an elevated nitrate level for non-CWSs. USEPA removed and reserved the MCL for nickel on June 29,

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

1995, at 60 Fed. Reg. 33932, as a result of a judicial order in Nickel Development Institute v. EPA, No. 92-1407, and Specialty Steel Industry of the U.S. v. Browner, No. 92-1410 (D.C. Cir. Feb. 23 & Mar. 6, 1995), while retaining the contaminant, analytical methodology, and detection limit listings for this contaminant.

- c) USEPA has identified the following as BAT for achieving compliance with the MCL for the IOCs identified in subsection (b) of this Section, except for fluoride:

Contaminant	BATs
Antimony	C/F RO
Arsenic (BATs for As ^V . Pre-oxidation may be required to convert As ^{III} to As ^V .)	AAL C/F IX LIME RO ED O/F (To obtain high removals, the iron to arsenic ratio must be at least 20:1)
Asbestos	C/F DDF CC
Barium	IX LIME RO ED
Beryllium	AA C/F IX LIME RO
Cadmium	C/F

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

	IX LIME RO
Chromium	C/F IX LIME, BAT for Cr ^{III} only RO
Cyanide	IX RO ALK Cl ₂
Mercury	C/F, BAT only if influent Hg concentrations less than or equal to 10 µg/l GAC LIME, BAT only if influent Hg concentrations less than or equal to 10 µg/l RO, BAT only if influent Hg concentrations less than or equal to 10 µg/l
Nickel	IX LIME RO
Nitrate	IX RO ED
Nitrite	IX RO
Selenium	AAL C/F, BAT for Se ^{IV} only LIME RO

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

ED

Thallium

AAL

IX

Abbreviations

AAL	Activated alumina
ALK C1 ₂	Alkaline chlorination (pH ≥ 8.5)
C/F	Coagulation/filtration (not BAT for a system that has fewer than 500 service connections)
CC	Corrosion control
C1 ₂	Oxidation (chlorine)
DDF	Direct and diatomite filtration
ED	Electrodialysis
GAC	Granular activated carbon
IX	Ion exchange
LIME	Lime softening
O/F	Oxidation/filtration
RO	Reverse osmosis
UV	Ultraviolet irradiation

- d) At 40 CFR 141.62(d) ~~(2012)~~(2003), USEPA identified the following as the affordable technology, treatment technique, or other means available to systems serving 10,000 persons or fewer for achieving compliance with the maximum contaminant level for arsenic:

Small System Compliance Technologies (SSCTs)¹ for Arsenic²

Small system compliance technology	Affordable for listed small system categories ³
Activated alumina (centralized)	All size categories
Activated alumina (point-of-use) ⁴	All size categories
Coagulation/filtration ⁵	501-3,300 persons, 3,301-10,000 persons
Coagulation-assisted microfiltration	501-3,300 persons, 3,301-10,000 persons
Electrodialysis reversal ⁶	501-3,300 persons, 3,301-10,000 persons
Enhanced coagulation/filtration	All size categories
Enhanced lime softening (pH >10.5)	All size categories

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Ion exchange	All size categories
Lime softening ⁵	501-3,300 persons, 3,301-10,000 persons
Oxidation/filtration ⁷	All size categories
Reverse osmosis (centralized) ⁶	501-3,300 persons, 3,301-10,000 persons
Reverse osmosis (point-of-use) ⁴	All size categories

¹ Section 1412(b)(4)(E)(ii) of the federal SDWA (42 USC 300g-1(b)(4)(E)(ii)) specifies that SSCTs must be affordable and technically feasible for a small system supplier.

² SSCTs for As^V. Pre-oxidation may be required to convert As^{III} to As^V.

³ The federal SDWA specifies three categories of small system suppliers: (1) those serving 25 or more, but fewer than 501 persons, (2) those serving more than 500 but fewer than 3,301 persons, and (3) those serving more than 3,300 but fewer than 10,001 persons.

⁴ When POU or POE devices are used for compliance, programs to ensure proper long-term operation, maintenance, and monitoring must be provided by the water supplier to ensure adequate performance.

⁵ Unlikely to be installed solely for arsenic removal. May require pH adjustment to optimal range if high removals are needed.

⁶ Technologies reject a large volume of water – may not be appropriate for areas where water quantity may be an issue.

⁷ To obtain high removals, iron to arsenic ratio must be at least 20:1.

BOARD NOTE: Derived from 40 CFR 141.62 ~~(2012)~~(2003).

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

Section 611.311 Revised MCLs for Organic Chemical Contaminants

- a) Volatile organic chemical contaminants. The following MCLs for volatile organic chemical contaminants (VOCs) apply to CWS suppliers and NTNCWS suppliers.

CAS No.	Contaminant	MCL (mg/ℓ)
71-43-2	Benzene	0.005
56-23-5	Carbon tetrachloride	0.005
95-50-1	o-Dichlorobenzene	0.6

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

106-46-7	p-Dichlorobenzene	0.075
107-06-2	1,2-Dichloroethane	0.005
75-35-4	1,1-Dichloroethylene	0.007
156-59-2	cis-1,2-Dichloroethylene	0.07
156-60-5	trans-1,2-Dichloroethylene	0.1
75-09-2	Dichloromethane (methylene chloride)	0.005 0.005
78-87-5	1,2-Dichloropropane	0.005
100-41-4	Ethylbenzene	0.7
108-90-7	Monochlorobenzene	0.1
100-42-5	Styrene	0.1
127-18-4	Tetrachloroethylene	0.005
108-88-3	Toluene	1
120-82-1	1,2,4-Trichlorobenzene	0.07
71-55-6	1,1,1-Trichloroethane	0.2
79-00-5	1,1,2-Trichloroethane	0.005
79-01-6	Trichloroethylene	0.005
75-01-4	Vinyl chloride	0.002
1330-20-7	Xylenes (total)	10

BOARD NOTE: See the definition of "initial compliance period" at Section 611.101.

- b) USEPA has identified, as indicated below, granular activated carbon (GAC), packed tower aeration (PTA), or oxidation (OX) as BAT for achieving compliance with the MCLs for volatile organic chemical contaminants (VOCs) and synthetic organic chemical contaminants (SOCs) in subsections (a) and (c) of this Section.

15972-60-8	Alachlor	GAC
116-06-3	Aldicarb*	GAC
1646-87-4	Aldicarb sulfone*	GAC
1646-87-3	Aldicarb sulfoxide*	GAC
1912-24-9	Atrazine	GAC
71-43-2	Benzene	GAC, PTA
50-32-8	Benzo(a)pyrene	GAC
1563-66-2	Carbofuran	GAC
56-23-5	Carbon tetrachloride	GAC, PTA
57-74-9	Chlordane	GAC
94-75-7	2,4-D	GAC

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

75-99-0	Dalapon	GAC
96-12-8	Dibromochloropropane	GAC, PTA
95-50-1	o-Dichlorobenzene	GAC, PTA
106-46-7	p-Dichlorobenzene	GAC, PTA
107-06-2	1,2-Dichloroethane	GAC, PTA
156-59-2	cis-1,2-Dichloroethylene	GAC, PTA
156-60-5	trans-1,2-Dichloroethylene	GAC, PTA
75-35-4	1,1-Dichloroethylene	GAC, PTA
75-09-2	Dichloromethane	PTA
78-87-5	1,2-Dichloropropane	GAC, PTA
103-23-1	Di(2-ethylhexyl)adipate	GAC, PTA
117-81-7	Di(2-ethylhexyl)phthalate	GAC
88-85-7	Dinoseb	GAC
85-00-7	Diquat	GAC
145-73-3	Endothall	GAC
72-20-8	Endrin	GAC
106-93-4	Ethylene dibromide (EDB)	GAC, PTA
100-41-4	Ethylbenzene	GAC, PTA
1071-53-6	Glyphosate	OX
76-44-8	Heptachlor	GAC
1024-57-3	Heptachlor epoxide	GAC
118-74-1	Hexachlorobenzene	GAC
77-47-3	Hexachlorocyclopentadiene	GAC, PTA
58-89-9	Lindane	GAC
72-43-5	Methoxychlor	GAC
108-90-7	Monochlorobenzene	GAC, PTA
23135-22-0	Oxamyl	GAC
87-86-5	Pentachlorophenol	GAC
1918-02-1	Picloram	GAC
1336-36-3	Polychlorinated biphenyls (PCB)	GAC
122-34-9	Simazine	GAC
100-42-5	Styrene	GAC, PTA
1746-01-6	2,3,7,8-TCDD	GAC
127-18-4	Tetrachloroethylene	GAC, PTA
108-88-3	Toluene	GAC
8001-35-2	Toxaphene	GAC
120-82-1	1,2,4-trichlorobenzene	GAC, PTA
71-55-6	1,1,1-Trichloroethane	GAC, PTA
79-00-5	1,1,2-trichloroethane	GAC, PTA

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

79-01-6	Trichloroethylene	GAC, PTA
93-72-1	2,4,5-TP	GAC
75-01-4	Vinyl chloride	PTA
1330-20-7	Xylene	GAC, PTA

*See the Board note appended to the end of this Section.

- c) Synthetic organic chemical contaminants. The following MCLs for SOCs apply to CWS and NTNCWS suppliers.

CAS Number	Contaminant	MCL (mg/l)
15972-60-8	Alachlor	0.002
116-06-3	Aldicarb*	0.002
1646-87-4	Aldicarb sulfone*	0.002
1646-87-3	Aldicarb sulfoxide*	0.004
1912-24-9	Atrazine	0.003
50-32-8	Benzo(a)pyrene	0.0002
1563-66-2	Carbofuran	0.04
57-74-9	Chlordane	0.002
94-75-7	2,4-D	0.07
75-99-0	Dalapon	0.2
96-12-8	Dibromochloropropane	0.0002
103-23-1	Di(2-ethylhexyl)adipate	0.4
117-81-7	Di(2-ethylhexyl)phthalate	0.006
88-85-7	Dinoseb	0.007
85-00-7	Diquat	0.02
145-73-3	Endothall	0.1
72-20-8	Endrin	0.002
106-93-4	Ethylene dibromide	0.00005
1071-53-6	Glyphosate	0.7
76-44-8	Heptachlor	0.0004
1024-57-3	Heptachlor epoxide	0.0002
118-74-1	Hexachlorobenzene	0.001
77-47-4	Hexachlorocyclopentadiene	0.05
58-89-9	Lindane	0.0002
72-43-5	Methoxychlor	0.04
23135-22-0	Oxamyl (Vydate)	0.2
87-86-5	Pentachlorophenol	0.001
1918-02-1	Picloram	0.5

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

1336-36-3	Polychlorinated biphenyls (PCBs)	0.0005
122-34-9	Simazine	0.004
1746-01-6	2,3,7,8-TCDD (Dioxin)	0.00000003
8001-35-2	Toxaphene	0.003
93-72-1	2,4,5-TP	0.05

* See the Board note appended to the end of this Section.

BOARD NOTE: Derived from 40 CFR 141.61 ~~(2012)~~(2003). See the definition of "initial compliance period" at Section 611.101. More stringent state MCLs for 2,4-D, heptachlor, and heptachlor epoxide appear at Section 611.310. See the Board Note at that provision. In 40 CFR 141.6(g), USEPA postponed the effectiveness of the MCLs for aldicarb, aldicarb sulfone, and aldicarb sulfoxide until it took further action on those MCLs. See 40 CFR 141.6(g) and 57 Fed. Reg. 22178 (May 27, 1992). USEPA has since stated that it anticipates taking no action until 2005 on a federal national primary drinking water regulation (NPDWR) applicable to the aldicarbs. 68 Fed. Reg. 31108 (May 27, 2003). In 2005, USEPA indicated no projected date for final action on the aldicarbs. (See 70 Fed. Reg. 27501, 671 (May 16, 2005)). An entry for the aldicarbs last appeared in USEPA's Spring 2007 semiannual regulatory agenda, indicating no projected dates for further action. (See 72 Fed. Reg. 23156, 97 (Apr. 30, 2007); see also 72 Fed. Reg. 70118, 23 (Dec. 10, 2007) (the first USEPA regulatory agenda that included no entry for the aldicarbs)). While the Board must maintain entries for aldicarb, aldicarb sulfoxide, and aldicarb sulfone to maintain consistency with the letter of the federal regulations (see 415 ILCS 5/7.2 and 17.5 (2010); 42 USC 300g-2 (2010); 40 CFR 142.10 (2012)), the Board intends that no ~~no~~ aldicarb requirements apply in Illinois until after USEPA adopts such requirements; and the Board has removed~~removes~~ this statement.

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

Section 611.330 Maximum Contaminant Levels for Radionuclides

- a) This subsection corresponds with 40 CFR 141.66(a), marked reserved by USEPA. This statement maintains structural consistency with USEPA rules.
- b) MCL for combined radium-226 and -228. The maximum contaminant level for combined radium-226 and radium-228 is 5 pCi/ℓ. The combined radium-226 and radium-228 value is determined by the addition of the results of the analysis for radium-226 and the analysis for radium-228.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- c) MCL for gross alpha particle activity (excluding radon and uranium). The maximum contaminant level for gross alpha particle activity (including radium-226 but excluding radon and uranium) is 15 pCi/ℓ.
- d) ~~Effective December 8, 2003,~~ MCL for beta particle and photon radioactivity.
- 1) The average annual concentration of beta particle and photon radioactivity from man-made radionuclides in drinking water must not produce an annual dose equivalent to the total body or any internal organ greater than 4 millirem/year (mrem/year).
 - 2) Except for the radionuclides listed in the following table, the concentration of man-made radionuclides causing 4 mrem total body or organ dose equivalents must be calculated on the basis of two liters per day drinking water intake, using the 168-hour data list set forth in "Maximum Permissible Body Burdens and Maximum Permissible Concentrations of Radionuclides in Air and in Water for Occupational Exposure," incorporated by reference in Section 611.102, available from the NTIS. If two or more radionuclides are present, the sum of their annual dose equivalent to the total body or to any organ must not exceed 4 mrem/year.

Average Annual Concentrations Assumed to Produce
a Total Body or Organ Dose of 4 mrem/yr

Radionuclide	Critical organ	pCi per liter
1. Tritium	Total body	20,000
2. Strontium-90	Bone Marrow	8

- e) MCL for uranium. ~~The Effective December 8, 2003, the~~ maximum contaminant level for uranium is 30 µg/ℓ.
- f) Compliance dates for combined radium-226 and -228, gross alpha particle activity, gross beta particle and photon radioactivity, and uranium. ~~Effective December 8, 2003,~~ CWS supplier must comply with the MCLs listed in subsections (b) through (e) of this Section, and compliance must be determined in accordance with the requirements of Subpart Q of this Part.
- g) Best available technologies (BATs) for radionuclides. USEPA has identified the technologies indicated in the following table as the BAT for achieving

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

compliance with the MCLs for combined radium-226 and -228, uranium, gross alpha particle activity, and beta particle and photon radioactivity.

BAT for Combined Radium-226 and Radium-228, Uranium, Gross Alpha Particle Activity, and Beta Particle and Photon Radioactivity

Contaminant	BAT
1. Combined radium-226 and radium-228	Ion exchange, reverse osmosis, lime softening.
2. Uranium	Ion exchange, reverse osmosis, lime softening, coagulation/filtration.
3. Gross alpha particle activity (excluding Radon and Uranium)	Reverse osmosis.
4. Beta particle and photon radioactivity	Ion exchange, reverse osmosis.

- h) Small systems compliance technologies list for radionuclides.

List of Small Systems Compliance Technologies for Radionuclides and Limitations to Use

Unit technologies	Limitations (see footnotes)	Operator skill level required ¹	Raw water quality range and considerations ¹
1. Ion exchange (IE)	(a)	Intermediate	All ground waters.
2. Point of use (POU ²) IE	(b)	Basic	All ground waters.
3. Reverse osmosis (RO)	(c)	Advanced	Surface waters usually require pre-filtration.
4. POU ² RO	(b)	Basic	Surface waters usually require pre-filtration.
5. Lime softening	(d)	Advanced	All waters.
6. Green sand filtration	(e)	Basic	
7. Co-precipitation	(f)	Intermediate to	Ground waters with

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

	with Barium sulfate		Advanced	suitable water quality.
8.	Electrodialysis/ electrodialysis reversal		Basic to Intermediate	All ground waters.
9.	Pre-formed hydrous Manganese oxide filtration	(g)	Intermediate	All ground waters.
10.	Activated alumina	(a), (h)	Advanced	All ground waters; competing anion concentrations may affect regeneration frequency.
11.	Enhanced coagulation/ filtration	(i)	Advanced	Can treat a wide range of water qualities.

¹ National Research Council (NRC). "Safe Water from Every Tap: Improving Water Service to Small Communities," National Academy Press, Washington, D.C. 1997.

² A POU, or "point-of-use" technology is a treatment device installed at a single tap used for the purpose of reducing contaminants in drinking water at that one tap. POU devices are typically installed at the kitchen tap. BOARD NOTE: USEPA refers the reader to the notice of data availability (NODA) at 66 Fed. Reg. 21576 (April 21, 2000) for more details.

Limitations Footnotes: Technologies for Radionuclides:

- (a) The regeneration solution contains high concentrations of the contaminant ions. Disposal options should be carefully considered before choosing this technology.
- (b) When POU devices are used for compliance, programs for long-term operation, maintenance, and monitoring must be provided by water utility to ensure proper performance.
- (c) Reject water disposal options should be carefully considered before choosing this technology.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

BOARD NOTE: In corresponding 40 CFR 141.66, Table C, footnote c states in part as follows: "See other RO limitations described in the SWTR Compliance Technologies Table." Table C was based in significant part on "Table 13. – Technologies for Radionuclides" that appears at 63 Fed. Reg. 42032 at 42043 (August 6, 1998), which refers to "Table 2. – SWTR Compliance Technology Table: Filtration." That Table 2 lists the limitations on RO as follows:

- ^d Blending (combining treated water with untreated raw water) cannot be practiced at risk of increasing microbial concentrations in finished water.
- ^e Post-disinfection recommended as a safety measure and for residual maintenance.
- ^f Post-treatment corrosion control will be needed prior to distribution.

63 Fed. Reg. at 42036.

- (d) The combination of variable source water quality and the complexity of the water chemistry involved may make this technology too complex for small surface water systems.
- (e) Removal efficiencies can vary depending on water quality.
- (f) This technology may be very limited in application to small systems. Since the process requires static mixing, detention basins, and filtration, it is most applicable to systems with sufficiently high sulfate levels that already have a suitable filtration treatment train in place.
- (g) This technology is most applicable to small systems that already have filtration in place.
- (h) Handling of chemicals required during regeneration and pH adjustment may be too difficult for small systems without an adequately trained operator.
- (i) Assumes modification to a coagulation/filtration process already in place.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Compliance Technologies by System Size Category
for Radionuclide NPDWRs

Contaminant	Compliance technologies ¹ for system size categories (population served)		
	25-500	501-3,300	3,300-10,000
1. Combined radium-226 and radium-228	1, 2, 3, 4, 5, 6, 7, 8, 9	1, 2, 3, 4, 5, 6, 7, 8, 9	1, 2, 3, 4, 5, 6, 7, 8, 9
2. Gross alpha particle activity	3, 4	3, 4	3, 4
3. Beta particle activity and photon activity	1, 2, 3, 4	1, 2, 3, 4	1, 2, 3, 4
4. Uranium	1, 2, 4, 10, 11	1, 2, 3, 4, 5, 10, 11	1, 2, 3, 4, 5, 10, 11

Note:

¹ Numbers correspond to those technologies found listed in the table, "List of Small Systems Compliance Technologies for Radionuclides and Limitations to Use," set forth above.

BOARD NOTE: Derived from 40 CFR 141.66 ~~(2012)(2003)~~.

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

SUBPART G: LEAD AND COPPER

Section 611.359 Analytical Methods

Analyses for lead, copper, pH, conductivity, calcium, alkalinity, orthophosphate, silica, and temperature must be conducted using the methods set forth in Section 611.611(a).

- a) Analyses for lead and copper performed for the purposes of compliance with this Subpart G must only be conducted by laboratories that have been certified by USEPA or the Agency. To obtain certification to conduct analyses for lead and copper, laboratories must do the following:
 - 1) Analyze performance evaluation samples that include lead and copper provided by USEPA Environmental Monitoring and Support Laboratory

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

or equivalent samples provided by the Agency; ~~and~~

- 2) Achieve quantitative acceptance limits as follows:
 - A) For lead: ± 30 percent of the actual amount in the performance evaluation sample when the actual amount is greater than or equal to 0.005 mg/l (the PQL for lead is 0.005 mg/l);
 - B) For copper: ± 10 percent of the actual amount in the performance evaluation sample when the actual amount is greater than or equal to 0.050 mg/l (the PQL for copper is 0.050 mg/l);
 - ~~C) Achieve the method detection limit (MDL) for lead (0.001 mg/l, as defined in Section 611.350(a)) according to the procedures in 35 Ill. Adm. Code 186 and appendix B to 40 CFR 136: "Definition and Procedure for the Determination of the Method Detection Limit – Revision 1.11", incorporated by reference in Section 611.102(c). This need only be accomplished if the laboratory will be processing source water composite samples under Section 611.358(a)(1)(D); and~~
 - ~~D) Be currently certified by USEPA or the Agency to perform analyses to the specifications described in subsection (a)(1) of this Section.~~
- 3) Achieve the method detection limit (MDL) for lead (0.001 mg/l, as defined in Section 611.350(a)) according to the procedures in 35 Ill. Adm. Code 186 and appendix B to 40 CFR 136: "Definition and Procedure for the Determination of the Method Detection Limit – Revision 1.11", incorporated by reference in Section 611.102(c). This need only be accomplished if the laboratory will be processing source water composite samples under Section 611.358(a)(1)(D); and
- 4) Be currently certified by USEPA or the Agency to perform analyses to the specifications described in subsection (a)(1) of this Section.

BOARD NOTE: Subsection (a) is derived from 40 CFR 141.89(a) and (a)(1) (2012)(2007), as amended at 72 Fed. Reg. 57782 (October 10, 2007).

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- b) The Agency must, by a SEP issued pursuant to Section 611.110, allow a supplier to use previously collected monitoring data for the purposes of monitoring under this Subpart G if the data were collected and analyzed in accordance with the requirements of this Subpart G.

BOARD NOTE: Subsection (b) is derived from 40 CFR 141.89(a)(2) ~~(2012)(2007)~~.

- c) Reporting lead and copper levels.
- 1) All lead and copper levels greater than or equal to the lead and copper PQL ($Pb \geq 0.005$ mg/l and $Cu \geq 0.050$ mg/l) must be reported as measured.
 - 2) All lead and copper levels measured less than the PQL and greater than the MDL (0.005 mg/l > Pb > MDL and 0.050 mg/l > Cu > MDL) must be either reported as measured or as one-half the PQL set forth in subsection (a) of this Section (i.e., reported as 0.0025 mg/l for lead or 0.025 mg/l for copper).
 - 3) All lead and copper levels below the lead and copper MDL (MDL > Pb) must be reported as zero.

BOARD NOTE: Subsection (c) is derived from 40 CFR 141.89(a)(3) and (a)(4) ~~(2012)(2007)~~.

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

SUBPART I: DISINFECTANT RESIDUALS, DISINFECTION
BYPRODUCTS, AND DISINFECTION BYPRODUCT PRECURSORS

Section 611.382 Monitoring Requirements

- a) General requirements.
- 1) A supplier must take all samples during normal operating conditions.
 - 2) A supplier may consider multiple wells drawing water from a single aquifer as one treatment plant for determining the minimum number of

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

TTHM and HAA5 samples required with Agency approval.

- 3) Failure to monitor in accordance with the monitoring plan required under subsection (f) of this Section is a monitoring violation.
 - 4) Where compliance is based on a running annual average of monthly or quarterly samples or averages and the supplier's failure to monitor makes it impossible to determine compliance with MCLs or MRDLs, this failure to monitor will be treated as a violation for the entire period covered by the annual average.
 - 5) A supplier must use only data collected under the provisions of this Subpart I to qualify for reduced monitoring.
- b) Monitoring requirements for disinfection byproducts (DBPs).
- 1) TTHMs and HAA5.
 - A) Routine monitoring. A supplier must monitor at the following frequency:
 - i) A Subpart B system supplier that serves 10,000 or more persons must collect four water samples per quarter per treatment plant. At least 25 percent of all samples collected each quarter must be collected at locations representing maximum residence time. The remaining samples may be taken at locations representative of at least average residence time in the distribution system and representing the entire distribution system, taking into account the number of persons served, the different sources of water, and the different treatment methods.
 - ii) A Subpart B system supplier that serves from 500 to 9,999 persons must collect one water sample per quarter per treatment plant. The samples must be collected from locations representing maximum residence time.
 - iii) A Subpart B system supplier that serves fewer than 500 persons must collect one sample per year per treatment

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

plant during month of warmest water temperature. The samples must be collected from locations representing maximum residence time. If the sample (or average of annual samples, if more than one sample is taken) exceeds the MCL, the supplier must increase the monitoring frequency to one sample per treatment plant per quarter, taken at a point reflecting the maximum residence time in the distribution system, until the supplier meets the standards in subsection (b)(1)(D) of this Section.

- iv) A supplier that uses only groundwater not under direct influence of surface water, which uses chemical disinfectant, and which serves 10,000 or more persons must collect one water sample per quarter per treatment plant. The samples must be collected from locations representing maximum residence time.
- v) A supplier that uses only groundwater not under direct influence of surface water, which uses chemical disinfectant, and which serves fewer than 10,000 persons must collect one sample per year per treatment plant during month of warmest water temperature. The samples must be collected from locations representing maximum residence time. If the sample (or average of annual samples, if more than one sample is taken) exceeds MCL, the supplier must increase monitoring to one sample per treatment plant per quarter, taken at a point reflecting the maximum residence time in the distribution system, until the supplier meets standards in subsection (b)(1)(D) of this Section.

BOARD NOTE: If a supplier elects to sample more frequently than the minimum required, at least 25 percent of all samples collected each quarter (including those taken in excess of the required frequency) must be taken at locations that represent the maximum residence time of the water in the distribution system. The remaining samples must be taken at locations representative of at least average residence time in the distribution system. For a supplier using groundwater not under the direct influence of surface water, multiple wells drawing water from a single aquifer

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

may be considered one treatment plant for determining the minimum number of samples required, with Agency approval.

- B) A supplier may reduce monitoring, except as otherwise provided, in accordance with the following:
- i) A Subpart B system supplier that serves 10,000 or more persons and which has a source water annual average TOC level, before any treatment, of less than or equal to 4.0 mg/ℓ may reduce monitoring if it has monitored for at least one year and its TTHM annual average is less than or equal to 0.040 mg/ℓ and HAA5 annual average is less than or equal to 0.030 mg/ℓ. The reduced monitoring allowed is a minimum of one sample per treatment plant per quarter at a distribution system location reflecting maximum residence time.
 - ii) A Subpart B system supplier that serves from 500 to 9,999 persons and which has a source water annual average TOC level, before any treatment, of less than or equal to 4.0 mg/ℓ may reduce monitoring if it has monitored at least one year and its TTHM annual average is less than or equal to 0.040 mg/ℓ and HAA5 annual average is less than or equal to 0.030 mg/ℓ. The reduced monitoring allowed is a minimum of one sample per treatment plant per year at a distribution system location reflecting maximum residence time during month of warmest water temperature.

BOARD NOTE: Any Subpart B system supplier that serves fewer than 500 persons may not reduce its monitoring to less than one sample per treatment plant per year.
 - iii) A supplier using only groundwater not under direct influence of surface water using chemical disinfectant and that serves 10,000 or more persons may reduce monitoring if it has monitored at least one year and its TTHM annual average is less than or equal to 0.040 mg/ℓ and HAA5 annual average is less than or equal to 0.030 mg/ℓ. The

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

reduced monitoring allowed is a minimum of one sample per treatment plant per year at a distribution system location reflecting maximum residence time during month of warmest water temperature.

- iv) A supplier using only groundwater not under direct influence of surface water that uses chemical disinfectant and which serves fewer than 10,000 persons may reduce monitoring if it has monitored at least one year and its TTHM annual average is less than or equal to 0.040 mg/l and HAA5 annual average is less than or equal to 0.030 mg/l for two consecutive years or TTHM annual average is less than or equal to 0.020 mg/l and HAA5 annual average is less than or equal to 0.015 mg/l for one year. The reduced monitoring allowed is a minimum of one sample per treatment plant per three year monitoring cycle at a distribution system location reflecting maximum residence time during month of warmest water temperature, with the three-year cycle beginning on January 1 following the quarter in which the supplier qualifies for reduced monitoring.

- C) Monitoring requirements for source water TOC. In order to qualify for reduced monitoring for TTHM and HAA5 under subsection (b)(1)(B) of this Section, a Subpart B system supplier not monitoring under the provisions of subsection (d) of this Section must take monthly TOC samples every 30 days at a location prior to any treatment, ~~beginning no later than April 1, 2008~~. In addition to meeting other criteria for reduced monitoring in subsection (b)(1)(B) of this Section, the source water TOC running annual average must be ≤ 4.0 mg/l (based on the most recent four quarters of monitoring) on a continuing basis at each treatment plant to reduce or remain on reduced monitoring for TTHM and HAA5. Once qualified for reduced monitoring for TTHM and HAA5 under subsection (b)(1)(B) of this Section, a system may reduce source water TOC monitoring to quarterly TOC samples taken every 90 days at a location prior to any treatment.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- D) A Subpart B system supplier on a reduced monitoring schedule may remain on that reduced schedule as long as the average of all samples taken in the year (for a supplier that must monitor quarterly) or the result of the sample (for a supplier that must monitor no more frequently than annually) is no more than 0.060 mg/l and 0.045 mg/l for TTHMs and HAA5, respectively. A supplier that does not meet these levels must resume monitoring at the frequency identified in subsection (b)(1)(A) of this Section in the quarter immediately following the monitoring period in which the supplier exceeds 0.060 mg/l for TTHMs or 0.045 mg/l for HAA5. For a supplier that uses only groundwater not under the direct influence of surface water and which serves fewer than 10,000 persons, if either the TTHM annual average is greater than 0.080 mg/l or the HAA5 annual average is greater than 0.060 mg/l, the supplier must go to increased monitoring identified in subsection (b)(1)(A) of this Section in the quarter immediately following the monitoring period in which the supplier exceeds 0.080 mg/l for TTHMs or 0.060 mg/l for HAA5.
- E) The Agency may return a supplier to routine monitoring.
- 2) Chlorite. A CWS or NTNCWS supplier using chlorine dioxide, for disinfection or oxidation, must conduct monitoring for chlorite.
- A) Routine monitoring.
- i) Daily monitoring. A supplier must take daily samples at the entrance to the distribution system. For any daily sample that exceeds the chlorite MCL, the supplier must take additional samples in the distribution system the following day at the locations required by subsection (b)(2)(B) of this Section, in addition to the sample required at the entrance to the distribution system.
- ii) Monthly monitoring. A supplier must take a three-sample set each month in the distribution system. The supplier must take one sample at each of the following locations: near the first customer, at a location representative of average residence time, and at a location reflecting

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

maximum residence time in the distribution system. Any additional routine sampling must be conducted in the same manner (as three-sample sets, at the specified locations). The supplier may use the results of additional monitoring conducted under subsection (b)(2)(B) of this Section to meet the requirement for monitoring in this subsection (b)(2)(A)(ii).

- B) Additional monitoring. On each day following a routine sample monitoring result that exceeds the chlorite MCL at the entrance to the distribution system, the supplier must take three chlorite distribution system samples at the following locations: as close to the first customer as possible, in a location representative of average residence time, and as close to the end of the distribution system as possible (reflecting maximum residence time in the distribution system).
- C) Reduced monitoring.
- i) Chlorite monitoring at the entrance to the distribution system required by subsection (b)(2)(A)(i) of this Section may not be reduced.
 - ii) Chlorite monitoring in the distribution system required by subsection (b)(2)(A)(ii) of this Section may be reduced to one three-sample set per quarter after one year of monitoring where no individual chlorite sample taken in the distribution system under subsection (b)(2)(A)(ii) of this Section has exceeded the chlorite MCL and the supplier has not been required to conduct monitoring under subsection (b)(2)(B) of this Section. The supplier may remain on the reduced monitoring schedule until either any of the three individual chlorite samples taken quarterly in the distribution system under subsection (b)(2)(A)(ii) of this Section exceeds the chlorite MCL or the supplier is required to conduct monitoring under subsection (b)(2)(B) of this Section, at which time the supplier must revert to routine monitoring.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- 3) Bromate.
- A) Routine monitoring. A CWS or NTNCWS supplier using ozone, for disinfection or oxidation, must take one sample per month for each treatment plant in the system using ozone. A supplier must take samples monthly at the entrance to the distribution system while the ozonation system is operating under normal conditions.
- B) Reduced monitoring. A supplier required to analyze for bromate may reduce monitoring from monthly to quarterly if the supplier's running annual average bromate concentration is not greater than 0.0025 mg/l based on monthly bromate measurements under subsection (b)(3)(A) of this Section for the most recent four quarters, with samples analyzed using USEPA OGWDW Methods, Method 302.0, Method 317.0 (rev. 2.0), Method 326.0 (rev. 1.0), or Method 557 or USEPA Organic and Inorganic Methods, Method 321.8. If a supplier has qualified for reduced bromate monitoring under subsection (b)(3)(B)(i) of this Section, that supplier may remain on reduced monitoring as long as the running annual average of quarterly bromate samples not greater than 0.0025 mg/l based on samples analyzed using USEPA OGWDW Methods, Method 302.0, Method 317.0, Method 326.0, or Method 557 or USEPA Organic and Inorganic Methods, Method 321.8. If the running annual average bromate concentration is greater than 0.0025 mg/l, the supplier must resume routine monitoring required by subsection (b)(3)(A) of this Section.
- i) ~~Until March 31, 2009, a supplier required to analyze for bromate may reduce monitoring from monthly to quarterly, if the supplier demonstrates that the average source water bromide concentration is less than 0.05 mg/l based on representative monthly bromide measurements for one year. The supplier may remain on reduced bromate monitoring until the running annual average source water bromide concentration, computed quarterly, is equal to or greater than 0.05 mg/l based on representative monthly measurements. If the running annual average source water bromide concentration is equal to or greater than 0.05 mg/l, the supplier must resume routine monitoring required by~~

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

~~subsection (b)(3)(A) of this Section in the following month.~~

- ~~ii) Beginning April 1, 2009, a Subpart B system supplier may no longer use the provisions of subsection (b)(3)(B)(i) of this Section to qualify for reduced monitoring. A supplier required to analyze for bromate may reduce monitoring from monthly to quarterly, if the supplier's running annual average bromate concentration is not greater than 0.0025 mg/l based on monthly bromate measurements under subsection (b)(3)(A) of this Section for the most recent four quarters, with samples analyzed using USEPA OGWDW Methods, Method 302.0, Method 317.0 (rev. 2.0), Method 326.0 (rev. 1.0), or Method 557 or USEPA Organic and Inorganic Methods, Method 321.8. If a supplier has qualified for reduced bromate monitoring under subsection (b)(3)(B)(i) of this Section, that supplier may remain on reduced monitoring as long as the running annual average of quarterly bromate samples not greater than 0.0025 mg/l based on samples analyzed using USEPA OGWDW Methods, Method 302.0, Method 317.0, Method 326.0, or Method 557 or USEPA Organic and Inorganic Methods, Method 321.8. If the running annual average bromate concentration is greater than 0.0025 mg/l, the supplier must resume routine monitoring required by subsection (b)(3)(A) of this Section.~~
- c) Monitoring requirements for disinfectant residuals.
 - 1) Chlorine and chloramines.
 - A) Routine monitoring. A CWS or NTNCWS supplier that uses chlorine or chloramines must measure the residual disinfectant level in the distribution system at the same point in the distribution system and at the same time as total coliforms are sampled, as specified in Section 611.521. A Subpart B system supplier may use the results of residual disinfectant concentration sampling conducted under Section 611.532 for unfiltered systems or Section 611.533 for systems that filter, in lieu of taking separate samples.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- B) Reduced monitoring. Monitoring may not be reduced.
- 2) Chlorine dioxide.
- A) Routine monitoring. A CWS, an NTNCWS, or a transient non-CWS supplier that uses chlorine dioxide for disinfection or oxidation must take daily samples at the entrance to the distribution system. For any daily sample that exceeds the MRDL, the supplier must take samples in the distribution system the following day at the locations required by subsection (c)(2)(B) of this Section, in addition to the sample required at the entrance to the distribution system.
 - B) Additional monitoring. On each day following a routine sample monitoring result that exceeds the MRDL, the supplier must take three chlorine dioxide distribution system samples. If chlorine dioxide or chloramines are used to maintain a disinfectant residual in the distribution system, or if chlorine is used to maintain a disinfectant residual in the distribution system and there are no disinfection addition points after the entrance to the distribution system (i.e., no booster chlorination), the supplier must take three samples as close to the first customer as possible, at intervals of at least six hours. If chlorine is used to maintain a disinfectant residual in the distribution system and there are one or more disinfection addition points after the entrance to the distribution system (i.e., booster chlorination), the supplier must take one sample at each of the following locations: as close to the first customer as possible, in a location representative of average residence time, and as close to the end of the distribution system as possible (reflecting maximum residence time in the distribution system).
 - C) Reduced monitoring. Monitoring may not be reduced.
- d) Monitoring requirements for disinfection byproduct (DBP) precursors.
- 1) Routine monitoring. A Subpart B system supplier that uses conventional filtration treatment (as defined in Section 611.101) must monitor each treatment plant for TOC not past the point of combined filter effluent

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

turbidity monitoring and representative of the treated water. A supplier required to monitor under this subsection (d)(1) must also monitor for TOC in the source water prior to any treatment at the same time as monitoring for TOC in the treated water. These samples (source water and treated water) are referred to as paired samples. At the same time as the source water sample is taken, a system must monitor for alkalinity in the source water prior to any treatment. A supplier must take one paired sample and one source water alkalinity sample per month per plant at a time representative of normal operating conditions and influent water quality.

- 2) **Reduced monitoring.** A Subpart B system supplier with an average treated water TOC of less than 2.0 mg/ℓ for two consecutive years, or less than 1.0 mg/ℓ for one year, may reduce monitoring for both TOC and alkalinity to one paired sample and one source water alkalinity sample per plant per quarter. The supplier must revert to routine monitoring in the month following the quarter when the annual average treated water TOC greater than or equal to 2.0 mg/ℓ.
- e) **Bromide.** A supplier required to analyze for bromate may reduce bromate monitoring from monthly to once per quarter, if the supplier demonstrates that the average source water bromide concentration is less than 0.05 mg/ℓ based upon representative monthly measurements for one year. The supplier must continue bromide monitoring to remain on reduced bromate monitoring.
- f) **Monitoring plans.** Each supplier required to monitor under this Subpart I must develop and implement a monitoring plan. The supplier must maintain the plan and make it available for inspection by the Agency and the general public no later than 30 days following the applicable compliance dates in Section 611.380(b). A Subpart B system supplier that serves more than 3,300 persons must submit a copy of the monitoring plan to the Agency no later than the date of the first report required under Section 611.384. After review, the Agency may require changes in any plan elements. The plan must include at least the following elements:
 - 1) Specific locations and schedules for collecting samples for any parameters included in this Subpart I;
 - 2) How the supplier will calculate compliance with MCLs, MRDLs, and treatment techniques; and

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- 3) If approved for monitoring as a consecutive system, or if providing water to a consecutive system, under the provisions of Section 611.500, the sampling plan must reflect the entire distribution system.

BOARD NOTE: Derived from 40 CFR 141.132 ~~(2010)~~(2012).

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

SUBPART N: INORGANIC MONITORING AND ANALYTICAL REQUIREMENTS

Section 611.600 Applicability

The following types of suppliers must conduct monitoring to determine compliance with the old MCLs in Section 611.300 and the revised MCLs in 611.301, as appropriate, in accordance with this Subpart N:

- a) CWS suppliers.
- b) NTNCWS suppliers.
- c) Transient non-CWS suppliers to determine compliance with the nitrate and nitrite MCLs.
- d) Detection limits. The following are detection limits for purposes of this Subpart N (MCLs from Section 611.301 are set forth for information purposes only):

Contaminant	MCL (mg/ℓ, except asbestos)	Method	Detection Limit (mg/ℓ)
Antimony	0.006	Atomic absorption – furnace technique	0.003
		Atomic absorption – furnace technique (stabilized temperature)	0.0008 ⁵

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

			Inductively coupled plasma-mass spectrometry	0.0004
			Atomic absorption – gaseous hydride technique	0.001
|	Arsenic	0.010 ⁶	Atomic absorption – furnace technique	0.001
|			Atomic absorption – furnace technique (stabilized temperature)	0.00005 ⁶⁷
			Atomic absorption – gaseous hydride technique	0.001
|			Inductively coupled plasma-mass spectrometry	0.0014 ⁷⁸
	Asbestos	7 MFL ¹	Transmission electron microscopy	0.01 MFL
	Barium	2	Atomic absorption – furnace technique	0.002
			Atomic absorption – direct aspiration technique	0.1
			Inductively coupled plasma arc furnace	0.002
			Inductively coupled plasma	0.001
	Beryllium	0.004	Atomic absorption – furnace technique	0.0002
			Atomic absorption – furnace technique (stabilized temperature)	0.00002 ⁵

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

		Inductively coupled plasma ²	0.0003
		Inductively coupled plasma-mass spectrometry	0.0003
Cadmium	0.005	Atomic absorption – furnace technique	0.0001
		Inductively coupled plasma	0.001
Chromium	0.1	Atomic absorption – furnace technique	0.001
		Inductively coupled plasma	0.007
		Inductively coupled plasma	0.001
Cyanide	0.2	Distillation, spectrophotometric ³	0.02
		Automated distillation, spectrophotometric ³	0.005
		Distillation, selective electrode ³	0.05
		Distillation, amenable, spectrophotometric ⁴	0.02
		UV, distillation, spectrophotometric ⁸⁹	0.0005
		Micro distillation, flow injection, spectrophotometric ³	0.0006
		Ligand exchange with amperometry ⁴	0.0005
Mercury	0.002	Manual cold vapor technique	0.0002

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

		Automated cold vapor technique	0.0002
Nickel	No MCL	Atomic absorption – furnace technique	0.001
		Atomic absorption – furnace technique (stabilized temperature)	0.0006 ⁵
		Inductively coupled plasma ²	0.005
		Inductively coupled plasma-mass spectrometry	0.0005
Nitrate (as N)	10	Manual cadmium reduction	0.01
		Automated hydrazine reduction	0.01
		Automated cadmium reduction	0.05
		Ion-selective electrode	1
		Ion chromatography	0.01
		Capillary ion electrophoresis	0.076
Nitrite (as N)	1	Spectrophotometric	0.01
		Automated cadmium reduction	0.05
		Manual cadmium reduction	0.01
		Ion chromatography	0.004

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

		Capillary ion electrophoresis	0.103
Selenium	0.05	Atomic absorption – furnace technique	0.002
		Atomic absorption – gaseous hydride technique	0.002
Thallium	0.002	Atomic absorption – furnace technique	0.001
		Atomic absorption – furnace technique (stabilized temperature)	0.0007 ⁵
		Inductively coupled plasma-mass spectrometry	0.0003

Footnotes.

¹ "MFL" means millions of fibers per liter less than 10 µm.

² Using a 2x preconcentration step as noted in Method 200.7. Lower MDLs may be achieved when using a 4x preconcentration.

³ Screening method for total cyanides.

⁴ Measures "free" cyanides when distillation, digestion, or ligand exchange is omitted.

⁵ Lower MDLs are reported using stabilized temperature graphite furnace atomic absorption.

⁶ ~~The value for arsenic is effective January 23, 2006. Until then, the MCL is 0.05 mg/ℓ.~~

⁶⁷ The MDL reported for USEPA Method 200.9 (atomic absorption-platform furnace (stabilized temperature)) was determined using a 2x concentration step during sample digestion. The MDL determined for samples analyzed using direct analyses (i.e., no sample digestion) will be higher. Using multiple depositions, USEPA Method 200.9 is capable of obtaining an MDL of 0.0001 mg/ℓ.

⁷⁸ Using selective ion monitoring, USEPA Method 200.8 (ICP-MS) is capable of obtaining an MDL of 0.0001 mg/ℓ.

⁸⁹ Measures total cyanides when UV-digester is used, and "free" cyanides when UV-digester is bypassed.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

BOARD NOTE: Subsections (a) through (c) of this Section are derived from 40 CFR 141.23 preamble ~~(2012)(2007)~~ and subsection (d) of this Section is derived from 40 CFR 141.23 (a)(4)(i) ~~(2007)~~ and appendix A to 40 CFR 141 ~~(2012)~~, as added at 73 Fed. Reg. 31616 (June 3, 2008). See the Board Note at Section 611.301(b) relating to the MCL for nickel.

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

Section 611.603 Inorganic Monitoring Frequency

The frequency of monitoring conducted to determine compliance with the revised MCLs in Section 611.301 for antimony, arsenic, barium, beryllium, cadmium, chromium, cyanide, fluoride, mercury, nickel, selenium, and thallium is as follows:

- a) Suppliers must take samples at each sampling point, beginning in the initial compliance period, as follows:
 - 1) For a GWS supplier: at least one sample during each compliance period;
 - 2) For an SWS or a mixed system supplier: at least one sample each year.

BOARD NOTE: Derived from 40 CFR 141.23(c)(1) ~~(2012)(2002)~~.

- b) SEP Application.
 - 1) The supplier may apply to the Agency for a SEP that allows reduction from the monitoring frequencies specified in subsection (a) of this Section pursuant to subsections (d) through (f) of this Section and Section 611.110.
 - 2) The supplier may apply to the Agency for a SEP that relieves it of the requirement for monitoring cyanide pursuant to subsections (d) through (f) of this Section and Section 611.110 if it can demonstrate that its system is not vulnerable due to a lack of any industrial source of cyanide.

BOARD NOTE: Drawn from 40 CFR 141.23(c)(2) and (c)(6) ~~(2012)(2002)~~.

- c) SEP Procedures. The Agency must review the request pursuant to the SEP procedures of Section 611.110 based on consideration of the factors in subsection

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

(e) of this Section.

BOARD NOTE: Drawn from 40 CFR 141.23(c)(6) ~~(2012)(2002)~~.

- d) Standard for SEP reduction in monitoring. The Agency must grant a SEP that allows a reduction in the monitoring frequency if the supplier demonstrates that all previous analytical results were less than the MCL, provided the supplier meets the following minimum data requirements:
- 1) For GWS suppliers: a minimum of three rounds of monitoring.
 - 2) For an SWS or mixed system supplier: annual monitoring for at least three years.
 - 3) At least one sample must have been taken since January 1, 1990.
 - 4) A supplier that uses a new water source is not eligible for a SEP until it completes three rounds of monitoring from the new source.

BOARD NOTE: Drawn from 40 CFR 141.23(c)(4) ~~(2012)(2002)~~.

- e) Standard for SEP monitoring conditions. As a condition of any SEP, the Agency must require that the supplier take a minimum of one sample during the term of the SEP. In determining the appropriate reduced monitoring frequency, the Agency must consider the following:
- 1) Reported concentrations from all previous monitoring;
 - 2) The degree of variation in reported concentrations; and
 - 3) Other factors that may affect contaminant concentrations, such as changes in groundwater pumping rates, changes in the CWS's configuration, the CWS's operating procedures, or changes in stream flows or characteristics.

BOARD NOTE: Drawn from 40 CFR 141.23(c)(3) and (c)(5) ~~(2012)(2002)~~.

- f) SEP Conditions and Revision.
- 1) A SEP will expire at the end of the compliance cycle for which it was

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

issued.

BOARD NOTE: Drawn from 40 CFR 141.23(c)(3) ~~(2012)(2002)~~.

- 2) In issuing a SEP, the Agency must specify the level of the contaminant upon which the "reliably and consistently" determination was based. A SEP must provide that the Agency will review and, where appropriate, revise its determination of the appropriate monitoring frequency when the supplier submits new monitoring data or when other data relevant to the supplier's appropriate monitoring frequency become available.

BOARD NOTE: Drawn from 40 CFR 141.23(c)(6) ~~(2012)(2002)~~.

- g) A supplier that exceeds the MCL as determined in Section 611.609, must monitor quarterly for that contaminant, beginning in the next quarter after the violation occurred.

BOARD NOTE: Derived from 40 CFR 141.23(c)(7) ~~(2012)(2002)~~.

- h) Reduction of quarterly monitoring.
 - 1) The Agency must grant a SEP pursuant to Section 611.110 that reduces the monitoring frequency to that specified by subsection (a) of this Section if it determines that the sampling point is reliably and consistently below the MCL.
 - 2) A request for a SEP must include the following minimal information:
 - A) For a GWS: two quarterly samples.
 - B) For an SWS or mixed system supplier: four quarterly samples.
 - 3) In issuing the SEP, the Agency must specify the level of the contaminant upon which the "reliably and consistently" determination was based. Any SEP that allows less frequent monitoring based on an Agency "reliably and consistently" determination must include a condition requiring the supplier to resume quarterly monitoring for any contaminant pursuant to subsection (g) of this Section if it violates the MCL specified by Section 611.609 for that contaminant.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

BOARD NOTE: Derived from 40 CFR 141.23(c)(8) ~~(2012)(2002)~~.

- i) A new system supplier ~~that begins operation after January 22, 2004~~ or a supplier whose system uses a new source of water ~~beginning after January 22, 2004~~ must demonstrate compliance with the MCL within a period of time specified by a permit issued the Agency. The supplier must also comply with the initial sampling frequencies specified by the Agency to ensure a system can demonstrate compliance with the MCL. Routine and increased monitoring frequencies must be conducted in accordance with the requirements in this Section.

BOARD NOTE: Derived from 40 CFR 141.23(c)(9) ~~(2012)(2002)~~.

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

Section 611.609 Determining Compliance

Compliance with the MCLs of Section 611.300 or 611.301 (as appropriate) must be determined based on the analytical results obtained at each sampling point.

- a) For suppliers that monitor at a frequency greater than annual, compliance with the MCLs for antimony, arsenic ~~(effective January 22, 2004)~~, asbestos, barium, beryllium, cadmium, chromium, cyanide, fluoride, mercury, nickel, selenium, or thallium is determined by a running annual average at each sampling point. ~~Effective January 22, 2004, if a system fails to collect the required number of samples, compliance (average concentration) will be based on the total number of samples collected.~~
- 1) If the average at any sampling point is greater than the MCL, then the supplier is out of compliance.
 - 2) If any one sample would cause the annual average to be exceeded, then the supplier is out of compliance immediately.
 - 3) Any sample below the method detection limit must be calculated at zero for the purpose of determining the annual average.

BOARD NOTE: The "method detection limit" is different from the "detection limit," as set forth in Section 611.600. The "method detection

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

limit" is the level of contaminant that can be determined by a particular method with a 95 percent degree of confidence, as determined by the method outlined in appendix B to 40 CFR 136, incorporated by reference at Section 611.102.

4) If a system fails to collect the required number of samples, compliance (average concentration) will be based on the total number of samples collected.

- b) For suppliers that monitor annually or less frequently, compliance with the MCLs for antimony, arsenic (~~effective January 22, 2004~~), asbestos, barium, beryllium, cadmium, chromium, cyanide, fluoride, mercury, nickel, selenium, or thallium is determined by the level of the contaminant at any sampling point. If confirmation samples are required by the Agency, the determination of compliance will be based on the average of the annual average of the initial MCL exceedance and any Agency-required confirmation samples. If a~~Effective January 22, 2004, if a~~ supplier fails to collect the required number of samples, compliance (average concentration) will be based on the total number of samples collected.
- c) Compliance with the MCLs for nitrate and nitrite is determined based on one sample if the levels of these contaminants are below the MCLs. If the levels of nitrate or nitrite in the initial sample exceed the MCLs, Section 611.606 requires confirmation sampling, and compliance is determined based on the average of the initial and confirmation samples.
- d) Arsenic sampling results must be reported to the nearest 0.001 mg/ℓ.

BOARD NOTE: Derived from 40 CFR 141.23(i) (~~2012~~)(~~2005~~).

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

Section 611.611 Inorganic Analysis

Analytical methods are from documents incorporated by reference in Section 611.102. These are mostly referenced by a short name defined by Section 611.102(a). Other abbreviations are defined in Section 611.101.

- a) Analysis for the following contaminants must be conducted using the following methods or an alternative method approved pursuant to Section 611.480. Criteria for analyzing arsenic, chromium, copper, lead, nickel, selenium, sodium, and

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

thallium with digestion or directly without digestion, and other analytical procedures, are contained in USEPA Technical Notes, incorporated by reference in Section 611.102.

BOARD NOTE: Because MDLs reported in USEPA Environmental Metals Methods 200.7 and 200.9 were determined using a 2× preconcentration step during sample digestion, MDLs determined when samples are analyzed by direct analysis (i.e., no sample digestion) will be higher. For direct analysis of cadmium and arsenic by USEPA Environmental Metals Method 200.7, and arsenic by Standard Methods, Method 3120 B, sample preconcentration using pneumatic nebulization may be required to achieve lower detection limits. Preconcentration may also be required for direct analysis of antimony, lead, and thallium by USEPA Environmental Metals Method 200.9; antimony and lead by Standard Methods, 18th, 19th, or 21st ed., Method 3113 B; and lead by ASTM Method D3559-96 D or D3559-03 D unless multiple in-furnace depositions are made.

- 1) Alkalinity.
 - A) Titrimetric.
 - i) ASTM Method D1067-92 B, D1067-02 B, or D1067-06 B;
 - ii) Standard Methods, 18th, 19th, 20th, or 21st ed., Method 2320 B; or
 - iii) Standard Methods Online, Method 3113 B-04.
 - B) Electrometric titration: USGS Methods, Method I-1030-85.

BOARD NOTE: USEPA added Standard Methods, 21st ed., Method 2320 B as an approved alternative method for alkalinity in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616). USEPA added ASTM Method D1067-06 B and Standard Methods Online, Method 3113 B-04 as approved alternative methods for alkalinity in appendix A to subpart C of 40 CFR 141 on June 24, 2011 (at 76 Fed. Reg. 37014).

- 2) Antimony.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- A) Inductively coupled plasma-mass spectrometry: USEPA Environmental Metals Methods, Method 200.8 (rev. 5.3).
- B) Atomic absorption, hydride technique: ASTM Method D3697-92, D3697-02, or D3697-07.
- C) Atomic absorption, platform furnace technique: USEPA Environmental Metals Methods, Method 200.9 (rev.2.2).
- D) Atomic absorption, furnace technique:
 - i) Standard Methods, 18th, 19th, or 21st ed., Method 3113 B; or
 - ii) Standard Methods Online, Method 3113 B-04.
- E) Axially viewed inductively coupled plasma-atomic emission spectrometry (AVICP-AES): USEPA NERL Method 200.5.

BOARD NOTE: USEPA added Standard Methods, 21st ed., Method 3113B and USEPA NERL Method 200.5 as approved alternative methods for antimony in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616). USEPA added ASTM Method D3697-07 as an approved alternative method for antimony in appendix A to subpart C of 40 CFR 141 on November 10, 2009 (at 74 Fed. Reg. 57908). USEPA added Standard Methods Online, Method 3113 B-04 as an approved alternative method for antimony in appendix A to subpart C of 40 CFR 141 on June 24, 2011 (at 76 Fed. Reg. 37014).

3) Arsenic.

BOARD NOTE: If ultrasonic nebulization is used in the determination of arsenic by Method 200.8, the arsenic must be in the pentavalent state to provide uniform signal response. For direct analysis of arsenic with Method 200.8 using ultrasonic nebulization, samples and standards must contain one mg/ℓ of sodium hypochlorite.

- A) Inductively coupled plasma-mass spectrometry: USEPA Environmental Metals Methods, Method 200.8 (rev. 5.3).

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- B) Atomic absorption, platform furnace technique: USEPA Environmental Metals Methods, Method 200.9 (rev. 2.2).
- C) Atomic absorption, furnace technique.
- i) ASTM Method D2972-97 C, D2972-03 C, or D2972-08 C;
 - ii) Standard Methods, 18th, 19th, or 21st ed., Method 3113 B; or
 - iii) Standard Methods Online, Method 3113 B-04.
- D) Atomic absorption, hydride technique.
- i) ASTM Method D2972-97 B, D2972-03 C, or D2972-08 B;
 - ii) Standard Methods, 18th, 19th, or 21st ed., Method 3114 B; or
 - iii) Standard Methods Online, Method 3114 B-04.
- E) Axially viewed inductively coupled plasma-atomic emission spectrometry (AVICP-AES): USEPA NERL Method 200.5.

BOARD NOTE: USEPA added Standard Methods, 21st ed., Methods 3113 B and 3114 B and USEPA NERL Method 200.5 as approved alternative methods for arsenic in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616). USEPA added ASTM Methods D2972-08 B and C as approved alternative methods for arsenic in appendix A to subpart C of 40 CFR 141 on November 10, 2009 (at 74 Fed. Reg. 57908). USEPA added Standard Methods Online, Method 3113 B-04 and Method 3114 B-04 as approved alternative methods for arsenic in appendix A to subpart C of 40 CFR 141 on June 24, 2011 (at 76 Fed. Reg. 37014).

- 4) Asbestos: Transmission electron microscopy: USEPA Asbestos Method-100.1 or USEPA Asbestos Method-100.2.
- 5) Barium.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- A) Inductively coupled plasma.
 - i) USEPA Environmental Metals Methods, Method 200.7 (rev. 4.4); or
 - ii) Standard Methods, 18th, 19th, 20th, or 21st ed., Method 3120 B.
- B) Inductively coupled plasma-mass spectrometry: USEPA Environmental Metals Methods, Method 200.8 (rev. 5.3).
- C) Atomic absorption, direct aspiration technique: Standard Methods, 18th, 19th, or 21st ed., Method 3111 D.
- D) Atomic absorption, furnace technique:
 - i) Standard Methods, 18th, 19th, or 21st ed., Method 3113 B; or
 - ii) Standard Methods Online, Method 3113 B-04.
- E) Axially viewed inductively coupled plasma-atomic emission spectrometry (AVICP-AES): USEPA NERL Method 200.5.

BOARD NOTE: USEPA added Standard Methods, 21st ed., Methods 3111 D, 3113 B, and 3120 B and USEPA NERL Method 200.5 as approved alternative methods for barium in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616). USEPA added Standard Methods Online, Method 3113 B-04 as an approved alternative method for barium in appendix A to subpart C of 40 CFR 141 on June 24, 2011 (at 76 Fed. Reg. 37014).

- 6) Beryllium.
 - A) Inductively coupled plasma.
 - i) USEPA Environmental Metals Methods, Method 200.7 (rev. 4.4); or

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- ii) Standard Methods, 18th, 19th, 20th, or 21st ed., Method 3120 B.
- B) Inductively coupled plasma-mass spectrometry: USEPA Environmental Metals Methods, Method 200.8 (rev. 5.3).
- C) Atomic absorption, platform furnace technique: USEPA Environmental Metals Methods, Method 200.9 (rev. 2.2).
- D) Atomic absorption, furnace technique.
 - i) ASTM Method D3645-97 B, D3645-03 B, or D3645-08 B;
 - ii) Standard Methods, 18th, 19th, or 21st ed., Method 3113 B; or
 - iii) Standard Methods Online, Method 3113 B-04.
- E) Axially viewed inductively coupled plasma-atomic emission spectrometry (AVICP-AES): USEPA NERL Method 200.5.

BOARD NOTE: USEPA added Standard Methods, 21st ed., Methods 3113 B and 3120 B and USEPA NERL Method 200.5 as approved alternative methods for beryllium in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616). USEPA added ASTM Method D3645-08 B as an approved alternative method for beryllium in appendix A to subpart C of 40 CFR 141 on November 10, 2009 (at 74 Fed. Reg. 57908). USEPA added Standard Methods Online, Method 3113 B-04 as an approved alternative method for beryllium in appendix A to subpart C of 40 CFR 141 on June 24, 2011 (at 76 Fed. Reg. 37014).

- 7) Cadmium.
 - A) Inductively coupled plasma arc furnace: USEPA Environmental Metals Methods, Method 200.7 (rev. 4.4).
 - B) Inductively coupled plasma-mass spectrometry: USEPA Environmental Metals Methods, Method 200.8 (rev. 5.3).

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- C) Atomic absorption, platform furnace technique: USEPA Environmental Metals Methods, Method 200.9 (rev. 2.2).
- D) Atomic absorption, furnace technique:
 - i) Standard Methods, 18th, 19th, or 21st ed., Method 3113 B; or
 - ii) Standard Methods Online, Method 3113 B-04.
- E) Axially viewed inductively coupled plasma-atomic emission spectrometry (AVICP-AES): USEPA NERL Method 200.5.

BOARD NOTE: USEPA added Standard Methods, 21st ed., Method 3113 B and USEPA NERL Method 200.5 as approved alternative methods for cadmium in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616). USEPA added Standard Methods Online, Method 3113 B-04 as an approved alternative method for cadmium in appendix A to subpart C of 40 CFR 141 on June 24, 2011 (at 76 Fed. Reg. 37014).

- 8) Calcium.
 - A) EDTA titrimetric.
 - i) ASTM Method D511-93 A, D511-03 A, or D511-09 A; or
 - ii) Standard Methods, 18th or 19th ed., Method 3500-Ca D or Standard Methods, 20th or 21st ed., Method 3500-Ca B.
 - B) Atomic absorption, direct aspiration.
 - i) ASTM Method D511-93 B, D511-03 B, or D511-09 B; or
 - ii) Standard Methods, 18th, 19th, or 21st ed., Method 3111 B.
 - C) Inductively coupled plasma.
 - i) USEPA Environmental Metals Methods, Method 200.7 (rev. 4.4); or

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- ii) Standard Methods, 18th, 19th, 20th, or 21st ed., Method 3120 B.

D) Ion chromatography: ASTM Method D6919-03 or D6919-09.

E) Axially viewed inductively coupled plasma-atomic emission spectrometry (AVICP-AES): USEPA NERL Method 200.5.

BOARD NOTE: USEPA added Standard Methods, 21st ed., Methods 3111 B, 3120 B, and 3500-Ca B and USEPA NERL Method 200.5 as approved alternative methods for calcium in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616). USEPA added ASTM Methods D511-09 A and B as approved alternative methods for calcium in appendix A to subpart C of 40 CFR 141 on November 10, 2009 (at 74 Fed. Reg. 57908). USEPA added ASTM Method D6919-09 as an approved alternative method for calcium in appendix A to subpart C of 40 CFR 141 on June 24, 2011 (at 76 Fed. Reg. 37014).

9) Chromium.

A) Inductively coupled plasma.

- i) USEPA Environmental Metals Methods, Method 200.7 (rev. 4.4); or

- ii) Standard Methods, 18th, 19th, 20th, or 21st ed., Method 3120 B.

B) Inductively coupled plasma-mass spectrometry: USEPA Environmental Metals Methods, Method 200.8 (rev. 5.3).

C) Atomic absorption, platform furnace technique: USEPA Environmental Metals Methods, Method 200.9 (rev. 2.2).

D) Atomic absorption, furnace technique:

- i) Standard Methods, 18th, 19th, or 21st ed., Method 3113 B; or
- ii) Standard Methods Online, Method 3113 B-04.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- E) Axially viewed inductively coupled plasma-atomic emission spectrometry (AVICP-AES): USEPA NERL Method 200.5.

BOARD NOTE: USEPA added Standard Methods, 21st ed., Methods 3113 B and 3120 B and USEPA NERL Method 200.5 as approved alternative methods for chromium in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616). USEPA added Standard Methods Online, Method 3113 B-04 as an approved alternative method for chromium in appendix A to subpart C of 40 CFR 141 on June 24, 2011 (at 76 Fed. Reg. 37014).

10) Copper.

- A) Atomic absorption, furnace technique.
- i) ASTM Method D1688-95 C, D1688-02 C, or D1688-07 C;
 - ii) Standard Methods, 18th, 19th, or 21st ed., Method 3113 B; or
 - iii) Standard Methods Online, Method 3113 B-04.
- B) Atomic absorption, direct aspiration.
- i) ASTM Method D1688-95 A, D1688-02 A, or D1688-07 A; or
 - ii) Standard Methods, 18th, 19th, or 21st ed., Method 3111 B.
- C) Inductively coupled plasma.
- i) USEPA Environmental Metals Methods, Method 200.7 (rev. 4.4); or
 - ii) Standard Methods, 18th, 19th, 20th, or 21st ed., Method 3120 B.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- D) Inductively coupled plasma-mass spectrometry: USEPA Environmental Metals Methods, Method 200.8 (rev. 5.3).
- E) Atomic absorption, platform furnace technique: USEPA Environmental Metals Methods, Method 200.9 (rev. 2.2).
- F) Axially viewed inductively coupled plasma-atomic emission spectrometry (AVICP-AES): USEPA NERL Method 200.5.

BOARD NOTE: USEPA added Standard Methods, 21st ed., Methods 3111 B, 3113 B, and 3120 B and USEPA NERL Method 200.5 as an approved alternative method for copper in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616). USEPA added ASTM Methods D1688-07 A and C as approved alternative methods for copper in appendix A to subpart C of 40 CFR 141 on November 10, 2009 (at 74 Fed. Reg. 57908). USEPA added Standard Methods Online, Method 3113 B-04 as an approved alternative method for copper in appendix A to subpart C of 40 CFR 141 on June 24, 2011 (at 76 Fed. Reg. 37014).

11) Conductivity; Conductance.

- A) ASTM Method D1125-95(1999) A; or
- B) Standard Methods, 18th, 19th, 20th, or 21st ed., Method 2510 B.

BOARD NOTE: USEPA added Standard Methods, 21st ed., Method 2510 B as an approved alternative method for conductivity in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616).

12) Cyanide.

- A) Manual distillation (ASTM Method D2036-98 A or Standard Methods, 18th, 19th, or 20th ed., Method 4500-CN⁻ C), followed by spectrophotometric, amenable.
 - i) ASTM Method D2036-98 B or 2036-06 B; or
 - ii) Standard Methods, 18th, 19th, 20th, or 21st ed., Method 4500-CN⁻ G.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- B) Manual distillation (ASTM Method D2036-98 A or Standard Methods, 18th, 19th, or 20th ed., Method 4500-CN⁻ C), followed by spectrophotometric, manual.
- i) ASTM Method D2036-98 A or D2036-06 A;
 - ii) Standard Methods, 18th, 19th, 20th, or 21st ed., Method 4500-CN⁻ E; or
 - iii) USGS Methods, Method I-3300-85.
- C) Spectrophotometric, semiautomated: USEPA Environmental Inorganic Methods, Method 335.4 (rev. 1.0).
- D) Selective electrode: Standard Methods, 18th, 19th, 20th, or 21st ed., Method 4500-CN⁻ F.
- E) UV/Distillation/Spectrophotometric: Kelada 01.
- F) Microdistillation/Flow Injection/Spectrophotometric: QuickChem 10-204-00-1-X.
- G) Ligand exchange and amperometry.
- i) ASTM Method D6888-03.
 - ii) OI Analytical Method OIA-1677 DW.
- H) Gas chromatography-mass spectrometry headspace: Method ME355.01.

BOARD NOTE: USEPA added ASTM Method D2036-06 A and Standard Methods, 21st ed., Methods 4500-CNE, F, and G as approved alternative methods for cyanide in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616). USEPA added Method ME355.01 as an approved alternative method for cyanide in appendix A to subpart C of 40 CFR 141 on August 3, 2009 (at 74 Fed. Reg. 38348).

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- 13) Fluoride.
- A) Ion Chromatography.
- i) USEPA Environmental Inorganic Methods, Method 300.0 (rev. 2.1) or USEPA Organic and Inorganic Methods, Method 300.1 (rev. 1.0);
 - ii) ASTM Method D4327-97 or D4327-03;
 - iii) Standard Methods, 18th, 19th, 20th, or 21st ed., Method 4110 B; or
 - iv) Hach SPADNS 2 Method 10225.
- B) Manual distillation, colorimetric SPADNS: Standard Methods, 18th, 19th, 20th, or 21st ed., Method 4500-F⁻ B and D.
- C) Manual electrode.
- i) ASTM Method D1179-93 B, D1179-99 B, ~~or~~ D1179-04 B, or D1179-10 B; or
 - ii) Standard Methods, 18th, 19th, 20th, or 21st ed., Method 4500-F⁻ C.
- D) Automated electrode: Technicon Methods, Method 380-75WE.
- E) Automated alizarin.
- i) Standard Methods, 18th, 19th, 20th, or 21st ed., Method 4500-F⁻ E; or
 - ii) Technicon Methods, Method 129-71W.
- F) Capillary ion electrophoresis: ASTM Method D6508-00(2005).

BOARD NOTE: On March 12, 2007 (at 72 Fed. Reg. 11200), USEPA amended the entry for fluoride to add capillary ion

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

electrophoresis in the table at corresponding 40 CFR 141.23(k)(1) to allow the use of "Waters Method D6508, Rev. 2." The Board attempt to locate a copy of the method disclosed that it is an ASTM method originally approved in 2000 and reapproved in 2005. The Board has cited to the ASTM Method D6508-00 (2005).

BOARD NOTE: USEPA added Standard Methods, 21st ed., Methods 4110 B and 4500-F⁻ B, C, D, and E and ASTM Method D1179-04 B as approved alternative methods for fluoride in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616). USEPA added Hach SPADNS 2 Method 10225 as an approved alternative method for fluoride in appendix A to subpart C of 40 CFR 141 on June 24, 2011 (at 76 Fed. Reg. 37014). [USEPA added ASTM Method D1179-10 B as an approved alternative method for fluoride in appendix A to subpart C of 40 CFR 141 on June 28, 2012 \(at 77 Fed. Reg. 38523\).](#)

- 14) Lead.
- A) Atomic absorption, furnace technique.
 - i) ASTM Method D3559-96 D, D3559-03 D, or D3559-08 D;
 - ii) Standard Methods, 18th, 19th, or 21st ed., Method 3113 B; or
 - iii) Standard Methods Online, Method 3113 B-04.
 - B) Inductively coupled plasma-mass spectrometry: USEPA Environmental Metals Methods, Method 200.8 (rev. 5.3).
 - C) Atomic absorption, platform furnace technique: USEPA Environmental Metals Methods, Method 200.9 (rev. 2.2).
 - D) Differential Pulse Anodic Stripping Voltammetry: Palintest Method 1001.
 - E) Axially viewed inductively coupled plasma-atomic emission spectrometry (AVICP-AES): USEPA NERL Method 200.5.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

BOARD NOTE: USEPA added Standard Methods, 21st ed., Method 3113 B and USEPA NERL Method 200.5 as approved alternative methods for lead in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616). USEPA added ASTM Method D3559-08 D as an approved alternative method for lead in appendix A to subpart C of 40 CFR 141 on November 10, 2009 (at 74 Fed. Reg. 57908). USEPA added Standard Methods Online, Method 3113 B-04 as an approved alternative method for lead in appendix A to subpart C of 40 CFR 141 on June 24, 2011 (at 76 Fed. Reg. 37014).

- 15) Magnesium.
- A) Atomic absorption.
 - i) ASTM Method D511-93 B, D511-03 B, or D511-09 B; or
 - ii) Standard Methods, 18th, 19th, or 21st ed., Method 3111 B.
 - B) Inductively coupled plasma.
 - i) USEPA Environmental Metals Methods, Method 200.7 (rev. 4.4); or
 - ii) Standard Methods, 18th, 19th, 20th, or 21st ed., Method 3120 B.
 - C) Complexation titrimetric.
 - i) ASTM Method D511-93 A, D511-03 A, or D511-09 A; or
 - ii) Standard Methods, 18th or 19th ed., Method 3500-Mg E or Standard Methods, 20th or 21st ed., Method 3500-Mg B.
 - D) Ion chromatography: ASTM Method D6919-03 or D6919-09.
 - E) Axially viewed inductively coupled plasma-atomic emission spectrometry (AVICP-AES): USEPA NERL Method 200.5.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

BOARD NOTE: USEPA added Standard Methods, 21st ed., Methods 3111 B, 3120 B, and 3500-Mg B and USEPA NERL Method 200.5 as approved alternative methods for magnesium in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616). USEPA added ASTM Methods D511-09 A and B as approved alternative methods for magnesium in appendix A to subpart C of 40 CFR 141 on November 10, 2009 (at 74 Fed. Reg. 57908). USEPA added ASTM Method D6919-09 as an approved alternative method for magnesium in appendix A to subpart C of 40 CFR 141 on June 24, 2011 (at 76 Fed. Reg. 37014).

- 16) Mercury.
- A) Manual cold vapor technique.
 - i) USEPA Environmental Metals Methods, Method 245.1 (rev. 3.0);
 - ii) ASTM Method D3223-97 or D3223-02;~~or~~
 - iii) Standard Methods, 18th, 19th, or 21st ed., Method 3112 B;~~;~~
 - iv) Standard Methods Online, Method 3112 B-09.
 - B) Automated cold vapor technique: USEPA Inorganic Methods, Method 245.2.
 - C) Inductively coupled plasma-mass spectrometry: USEPA Environmental Metals Methods, Method 200.8 (rev. 5.3).

BOARD NOTE: USEPA added Standard Methods, 21st ed., Method 3112 B as an approved alternative method for mercury in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616). USEPA added Standard Methods Online, Method 3112 B-09 as an approved alternative method for mercury in appendix A to subpart C of 40 CFR 141 on June 28, 2012 (at 77 Fed. Reg. 38523).

- 17) Nickel.
- A) Inductively coupled plasma.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- i) USEPA Environmental Metals Methods, Method 200.7 (rev. 4.4); or
 - ii) Standard Methods, 18th, 19th, 20th, or 21st ed., Method 3120 B.
- B) Inductively coupled plasma-mass spectrometry: USEPA Environmental Metals Methods, Method 200.8 (rev. 5.3).
- C) Atomic absorption, platform furnace technique: USEPA Environmental Metals Methods, Method 200.9 (rev. 2.2).
- D) Atomic absorption, direct aspiration technique: Standard Methods, 18th, 19th, or 21st ed., Method 3111 B.
- E) Atomic absorption, furnace technique:
- i) Standard Methods, 18th, 19th, or 21st ed., Method 3113 B; or
 - ii) Standard Methods Online, Method 3113 B-04.
- F) Axially viewed inductively coupled plasma-atomic emission spectrometry (AVICP-AES): USEPA NERL Method 200.5.

BOARD NOTE: USEPA added Standard Methods, 21st ed., Methods 3111 B, 3113 B, and 3120 B and USEPA NERL Method 200.5 as approved alternative methods for nickel in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616). USEPA added Standard Methods Online, Method 3113 B-04 as an approved alternative method for nickel in appendix A to subpart C of 40 CFR 141 on June 24, 2011 (at 76 Fed. Reg. 37014).

- 18) Nitrate.
- A) Ion chromatography.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- i) USEPA Environmental Inorganic Methods, Method 300.0 (rev. 2.1) or USEPA Organic and Inorganic Methods, Method 300.1 (rev. 1.0);
 - ii) ASTM Method D4327-97 or D4327-03;
 - iii) Standard Methods, 18th, 19th, 20th, or 21st ed., Method 4110 B; or
 - iv) Waters Test Method B-1011, available from Millipore Corporation.
- B) Automated cadmium reduction.
- i) USEPA Environmental Inorganic Methods, Method 353.2 (rev. 2.0);
 - ii) ASTM Method D3867-90 A; or
 - iii) Standard Methods, 18th, 19th, 20th, or 21st ed., Method 4500-NO₃⁻ F.
- C) Ion selective electrode.
- i) Standard Methods, 18th, 19th, 20th, or 21st ed., Method 4500-NO₃⁻ D; or
 - ii) Technical Bulletin 601.
- D) Manual cadmium reduction.
- i) ASTM Method D3867-90 B; or
 - ii) Standard Methods, 18th, 19th, 20th, or 21st ed., Method 4500-NO₃⁻ E.
- E) Capillary ion electrophoresis: ASTM Method D6508-00(2005).

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

~~BOARD NOTE: On March 12, 2007 (at 72 Fed. Reg. 11200), USEPA amended the entry for nitrate to add capillary ion electrophoresis in the table at corresponding 40 CFR 141.23(k)(1) to allow the use of "Waters Method D6508, Rev. 2." The Board attempt to locate a copy of the method disclosed that it is an ASTM method originally approved in 2000 and reapproved in 2005. The Board has cited to the ASTM Method D6508-00(2005).~~

- F) Reduction-colorimetric: Syssta Easy (1-Reagent).
- G) Direct colorimetric: Hach TNTplus 835/836 Method 10206.

BOARD NOTE: USEPA added Standard Methods, 21st ed., Methods 4110 B and 4500-NO₃⁻ D, E, and F as approved alternative methods for nitrate in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616). USEPA added Syssta Easy (1-Reagent) as an approved alternative method for nitrate in appendix A to subpart C of 40 CFR 141 on August 3, 2009 (at 73 Fed. Reg. 38348). USEPA added Hach TNTplus 835/836 Method 10206 as an approved alternative method for nitrate in appendix A to subpart C of 40 CFR 141 on June 24, 2011 (at 76 Fed. Reg. 37014).

- 19) Nitrite.
 - A) Ion chromatography.
 - i) USEPA Environmental Inorganic Methods, Method 300.0 (rev. 2.1) or USEPA Organic and Inorganic Methods, Method 300.1 (rev. 1.0);
 - ii) ASTM Method D4327-97 or D4327-03;
 - iii) Standard Methods, 18th, 19th, 20th, or 21st ed., Method 4110 B; or
 - iv) Waters Test Method B-1011, available from Millipore Corporation.
 - B) Automated cadmium reduction.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- i) USEPA Environmental Inorganic Methods, Method 353.2 (rev. 2.0);
 - ii) ASTM Method D3867-90 A; or
 - iii) Standard Methods, 18th, 19th, 20th, or 21st ed., Method 4500-NO₃⁻ F.
- C) Manual cadmium reduction.
- i) ASTM Method D3867-90 B; or
 - ii) Standard Methods, 18th, 19th, 20th, or 21st ed., Method 4500-NO₃⁻ E.
- D) Spectrophotometric: Standard Methods, 18th, 19th, 20th, or 21st ed., Method 4500-NO₂⁻ B.
- E) Capillary ion electrophoresis: ASTM Method D6508-00(2005).

~~BOARD NOTE: On March 12, 2007 (at 72 Fed. Reg. 11200), USEPA amended the entry for nitrite to add capillary ion electrophoresis in the table at corresponding 40 CFR 141.23(k)(1) to allow the use of "Waters Method D6508, Rev. 2." The Board attempt to locate a copy of the method disclosed that it is an ASTM method originally approved in 2000 and reapproved in 2005. The Board has cited to the ASTM Method D6508-00(2005).~~

- F) Reduction-colorimetric: Systea Easy (1-Reagent).

BOARD NOTE: USEPA added Standard Methods, 21st ed., Methods 4110 B, 4500-NO₃⁻ E and F; and 4500-NO₂⁻ B as approved alternative methods for nitrite in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616). USEPA added Systea Easy (1-Reagent) as an approved alternative method for nitrite in appendix A to subpart C of 40 CFR 141 on August 3, 2009 (at 73 Fed. Reg. 38348).

- 20) Orthophosphate (unfiltered, without digestion or hydrolysis).

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- A) Automated colorimetric, ascorbic acid.
 - i) USEPA Environmental Inorganic Methods, Method 365.1 (rev. 2.0); or
 - ii) Standard Methods, 18th, 19th, 20th, or 21st ed., Method 4500-P F.
- B) Single reagent colorimetric, ascorbic acid.
 - i) ASTM Method D515-88 A; or
 - ii) Standard Methods, 18th, 19th, 20th, or 21st ed., Method 4500-P E.
- C) Colorimetric, phosphomolybdate: USGS Methods, Method I-1601-85.
- D) Colorimetric, phosphomolybdate, automated-segmented flow: USGS Methods, Method I-2601-90.
- E) Colorimetric, phosphomolybdate, automated discrete: USGS Methods, Method I-2598-85.
- F) Ion Chromatography.
 - i) USEPA Environmental Inorganic Methods, Method 300.0 (rev. 2.1) or USEPA Organic and Inorganic Methods, Method 300.1 (rev. 1.0);
 - ii) ASTM Method D4327-97 or D4327-03; or
 - iii) Standard Methods, 18th, 19th, 20th, or 21st ed., Method 4110 B.
- G) Capillary ion electrophoresis: ASTM Method D6508-00 (2005).

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

~~BOARD NOTE: On March 12, 2007 (at 72 Fed. Reg. 11200), USEPA amended the entry for orthophosphate to add capillary ion electrophoresis in the table at corresponding 40 CFR 141.23(k)(1) to allow the use of "Waters Method D6508, Rev. 2." The Board attempt to locate a copy of the method disclosed that it is an ASTM method originally approved in 2000 and reapproved in 2005. The Board has cited to the ASTM Method D6508-00(2005).~~

BOARD NOTE: USEPA added Standard Methods, 21st ed., Methods 4110 B, 4500-P E and F as approved alternative methods for orthophosphate in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616).

- 21) pH: electrometric.
- A) USEPA Inorganic Methods, Method 150.1 or Method 150.2;
 - B) ASTM Method D1293-95 or D1293-99; or
 - C) Standard Methods, 18th, 19th, 20th, or 21st ed., Method 4500-H⁺ B.

BOARD NOTE: USEPA added Standard Methods, 21st ed., Method 4500-H⁺ B as an approved alternative method for pH in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616).

- 22) Selenium.
- A) Atomic absorption, hydride.
 - i) ASTM Method D3859-98 A, D3859-03 A, or D3859-08 A;
 - ii) Standard Methods, 18th, 19th, or 21st ed., Method 3114 B; or
 - iii) Standard Methods Online, Method 3114 B-09.
 - B) Inductively coupled plasma-mass spectrometry: USEPA Environmental Metals Methods, Method 200.8 (rev. 5.3).

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- C) Atomic absorption, platform furnace technique: USEPA Environmental Metals Methods, Method 200.9 (rev. 2.2).
- D) Atomic absorption, furnace technique.
 - i) ASTM Method D3859-98 B, D3859-03 B, or D3859-08 B;
 - ii) Standard Methods, 18th, 19th, or 21st ed., Method 3113 B; or
 - iii) Standard Methods Online, Method 3113 B-04.
- E) Axially viewed inductively coupled plasma-atomic emission spectrometry (AVICP-AES): USEPA NERL Method 200.5.

BOARD NOTE: USEPA added Standard Methods, 21st ed., Methods 3113 B and 3114 B and USEPA NERL Method 200.5 as approved alternative methods for selenium in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616). USEPA added ASTM Methods D3859-08 A and B as approved alternative methods for selenium in appendix A to subpart C of 40 CFR 141 on November 10, 2009 (at 74 Fed. Reg. 57908). USEPA added Standard Methods Online, Method 3113 B-04 and Method 3114 B-09 as approved alternative methods for selenium in appendix A to subpart C of 40 CFR 141 on June 24, 2011 (at 76 Fed. Reg. 37014).

- 23) Silica.
 - A) Colorimetric, molybdate blue: USGS Methods, Method I-1700-85.
 - B) Colorimetric, molybdate blue, automated-segmented flow: USGS Methods, Method I-2700-85.
 - C) Colorimetric: ASTM Method D859-94, D859-00, ~~or~~ D859-05, or D859-10.
 - D) Molybdosilicate: Standard Methods, 18th or 19th ed., Method 4500-Si D or Standard Methods, 20th or 21st ed., Method 4500-SiO₂ C.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- E) Heteropoly blue: Standard Methods, 18th or 19th ed., Method 4500-Si E or Standard Methods, 20th or 21st ed., Method 4500-SiO₂ D.
- F) Automated method for molybdate-reactive silica: Standard Methods, 18th or 19th ed., Method 4500-Si F or Standard Methods, 20th or 21st ed., Method 4500-SiO₂ E.
- G) Inductively coupled plasma.
- i) USEPA Environmental Metals Methods, Method 200.7 (rev. 4.4); or
- ii) Standard Methods, 18th, 19th, 20th, or 21st ed., Method 3120 B.
- H) Axially viewed inductively coupled plasma-atomic emission spectrometry (AVICP-AES): USEPA NERL Method 200.5.

BOARD NOTE: USEPA added ASTM Method D859-05, Standard Methods, 21st ed.; Methods 3120 B and 4500-SiO₂ C, D, and E; and USEPA NERL Method 200.5 as approved alternative methods for silica in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616). [USEPA added ASTM Method D859-10 as an approved alternative method for silica in appendix A to subpart C of 40 CFR 141 on June 28, 2012 \(at 77 Fed. Reg. 38523\).](#)

- 24) Sodium.
- A) Inductively coupled plasma: USEPA Environmental Metals Methods, Method 200.7 (rev. 4.4).
- B) Atomic absorption, direct aspiration: Standard Methods, 18th, 19th, or 21st ed., Method 3111 B.
- C) Ion chromatography: ASTM Method D6919-03 or D6919-09.
- D) Axially viewed inductively coupled plasma-atomic emission spectrometry (AVICP-AES): USEPA NERL Method 200.5.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

BOARD NOTE: USEPA added Standard Methods, 21st ed., Method 3113 B and USEPA NERL Method 200.5 as approved alternative methods for sodium in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616). USEPA added ASTM Method D6919-09 as an approved alternative method for sodium in appendix A to subpart C of 40 CFR 141 on June 24, 2011 (at 76 Fed. Reg. 37014).

- 25) Temperature; thermometric: Standard Methods, 18th, 19th, 20th, or 21st ed., Method 2550.

BOARD NOTE: USEPA added Standard Methods, 21st ed., Method 2550 as an approved alternative method for temperature in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616).

- 26) Thallium.

- A) Inductively coupled plasma-mass spectrometry: USEPA Environmental Metals Methods, Method 200.8 (rev. 5.3).
- B) Atomic absorption, platform furnace technique: USEPA Environmental Metals Methods, Method 200.9 (rev. 2.2).

- b) Sample collection for antimony, arsenic (~~effective January 22, 2004~~), asbestos, barium, beryllium, cadmium, chromium, cyanide, fluoride, mercury, nickel, nitrate, nitrite, selenium, and thallium pursuant to Sections 611.600 through 611.604 must be conducted using the following sample preservation, container, and maximum holding time procedures:

BOARD NOTE: For cyanide determinations samples must be adjusted with sodium hydroxide to pH 12 at the time of collection. When chilling is indicated the sample must be shipped and stored at 4° C or less. Acidification of nitrate or metals samples may be with a concentrated acid or a dilute (50% by volume) solution of the applicable concentrated acid. Acidification of samples for metals analysis is encouraged and allowed at the laboratory rather than at the time of sampling provided the shipping time and other instructions in Section 8.3 of USEPA Environmental Metals Method 200.7, 200.8, or 200.9 are followed.

- 1) Antimony.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- A) Preservative: Concentrated nitric acid to pH less than 2.
 - B) Plastic or glass (hard or soft).
 - C) Holding time: Samples must be analyzed as soon after collection as possible, but in any event within six months.
- 2) Arsenic.
- A) Preservative: Concentrated nitric acid to pH less than 2.
 - B) Plastic or glass (hard or soft).
 - C) Holding time: Samples must be analyzed as soon after collection as possible, but in any event within six months.
- 3) Asbestos.
- A) Preservative: Cool to 4° C.
 - B) Plastic or glass (hard or soft).
 - C) Holding time: Samples must be analyzed as soon after collection as possible, but in any event within 48 hours.
- 4) Barium.
- A) Preservative: Concentrated nitric acid to pH less than 2.
 - B) Plastic or glass (hard or soft).
 - C) Holding time: Samples must be analyzed as soon after collection as possible, but in any event within six months.
- 5) Beryllium.
- A) Preservative: Concentrated nitric acid to pH less than 2.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- B) Plastic or glass (hard or soft).
 - C) Holding time: Samples must be analyzed as soon after collection as possible, but in any event within six months.
- 6) Cadmium.
- A) Preservative: Concentrated nitric acid to pH less than 2.
 - B) Plastic or glass (hard or soft).
 - C) Holding time: Samples must be analyzed as soon after collection as possible, but in any event within six months.
- 7) Chromium.
- A) Preservative: Concentrated nitric acid to pH less than 2.
 - B) Plastic or glass (hard or soft).
 - C) Holding time: Samples must be analyzed as soon after collection as possible, but in any event within six months.
- 8) Cyanide.
- A) Preservative: Cool to 4° C. Add sodium hydroxide to pH greater than 12. See the analytical methods for information on sample preservation.
 - B) Plastic or glass (hard or soft).
 - C) Holding time: Samples must be analyzed as soon after collection as possible, but in any event within 14 days.
- 9) Fluoride.
- A) Preservative: None.
 - B) Plastic or glass (hard or soft).

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- C) Holding time: Samples must be analyzed as soon after collection as possible, but in any event within one month.
- 10) Mercury.
- A) Preservative: Concentrated nitric acid to pH less than 2.
 - B) Plastic or glass (hard or soft).
 - C) Holding time: Samples must be analyzed as soon after collection as possible, but in any event within 28 days.
- 11) Nickel.
- A) Preservative: Concentrated nitric acid to pH less than 2.
 - B) Plastic or glass (hard or soft).
 - C) Holding time: Samples must be analyzed as soon after collection as possible, but in any event within six months.
- 12) Nitrate, chlorinated.
- A) Preservative: Cool to 4° C.
 - B) Plastic or glass (hard or soft).
 - C) Holding time: Samples must be analyzed as soon after collection as possible, but in any event within 14 days.
- 13) Nitrate, non-chlorinated.
- A) Preservative: Concentrated sulfuric acid to pH less than 2.
 - B) Plastic or glass (hard or soft).
 - C) Holding time: Samples must be analyzed as soon after collection as possible, but in any event within 14 days.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- 14) Nitrite.
- A) Preservative: Cool to 4° C.
 - B) Plastic or glass (hard or soft).
 - C) Holding time: Samples must be analyzed as soon after collection as possible, but in any event within 48 hours.
- 15) Selenium.
- A) Preservative: Concentrated nitric acid to pH less than 2.
 - B) Plastic or glass (hard or soft).
 - C) Holding time: Samples must be analyzed as soon after collection as possible, but in any event within six months.
- 16) Thallium.
- A) Preservative: Concentrated nitric acid to pH less than 2.
 - B) Plastic or glass (hard or soft).
 - C) Holding time: Samples must be analyzed as soon after collection as possible, but in any event within six months.
- c) Analyses under this Subpart N must be conducted by laboratories that received approval from USEPA or the Agency. The Agency must certify laboratories to conduct analyses for antimony, arsenic ~~(effective January 23, 2006)~~, asbestos, barium, beryllium, cadmium, chromium, cyanide, fluoride, mercury, nickel, nitrate, nitrite, selenium, and thallium if the laboratory does as follows:
- 1) It analyzes performance evaluation (PE) samples, provided by the Agency pursuant to 35 Ill. Adm. Code 186, that include those substances at levels not in excess of levels expected in drinking water; and

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- 2) It achieves quantitative results on the analyses within the following acceptance limits:
- A) Antimony: $\pm 30\%$ at greater than or equal to 0.006 mg/l.
 - B) Arsenic: $\pm 30\%$ at greater than or equal to 0.003 mg/l.
 - C) Asbestos: 2 standard deviations based on study statistics.
 - D) Barium: $\pm 15\%$ at greater than or equal to 0.15 mg/l.
 - E) Beryllium: $\pm 15\%$ at greater than or equal to 0.001 mg/l.
 - F) Cadmium: $\pm 20\%$ at greater than or equal to 0.002 mg/l.
 - G) Chromium: $\pm 15\%$ at greater than or equal to 0.01 mg/l.
 - H) Cyanide: $\pm 25\%$ at greater than or equal to 0.1 mg/l.
 - I) Fluoride: $\pm 10\%$ at 1 to 10 mg/l.
 - J) Mercury: $\pm 30\%$ at greater than or equal to 0.0005 mg/l.
 - K) Nickel: $\pm 15\%$ at greater than or equal to 0.01 mg/l.
 - L) Nitrate: $\pm 10\%$ at greater than or equal to 0.4 mg/l.
 - M) Nitrite: $\pm 15\%$ at greater than or equal to 0.4 mg/l.
 - N) Selenium: $\pm 20\%$ at greater than or equal to 0.01 mg/l.
 - O) Thallium: $\pm 30\%$ at greater than or equal to 0.002 mg/l.

| BOARD NOTE: Derived from 40 CFR 141.23(k) and appendix A to 40 CFR 141 [\(2012\)\(2011\)](#).

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

Section 611.612 Monitoring Requirements for Old Inorganic MCLs

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- a) Analyses for the purpose of determining compliance with the old inorganic MCLs of Section 611.300 are required as follows:
- 1) Analyses for all CWSs utilizing surface water sources must be repeated at yearly intervals.
 - 2) Analyses for all CWSs utilizing only groundwater sources must be repeated at three-year intervals.
 - 3) This subsection (a)(3) corresponds with 40 CFR 141.23(1)(3), which requires monitoring for the repealed old MCL for nitrate at a frequency specified by the state. The Board has followed the USEPA lead and repealed that old MCL. This statement maintains structural consistency with USEPA rules.
 - 4) This subsection (a)(4) corresponds with 40 CFR 141.23(1)(4), which authorizes the state to determine compliance and initiate enforcement action. This statement maintains structural consistency with USEPA rules.
- b) If the result of an analysis made under subsection (a) of this Section indicates that the level of any contaminant listed in Section 611.300 exceeds the old MCL, the supplier must report to the Agency within seven days and initiate three additional analyses at the same sampling point within one month.
- c) When the average of four analyses made pursuant to subsection (b) of this Section, rounded to the same number of significant figures as the old MCL for the substance in question, exceeds the old MCL, the supplier must notify the Agency and give notice to the public pursuant to Subpart V of this Part. Monitoring after public notification must be at a frequency designated by the Agency by a SEP granted pursuant to Section 611.110 and must continue until the old MCL has not been exceeded in two successive samples or until a different monitoring schedule becomes effective as a condition to a variance, an adjusted standard, a site specific rule, an enforcement action, or another SEP granted pursuant to Section 611.110.
- d) This subsection (d) corresponds with 40 CFR 141.23(o), which pertains to monitoring for the repealed old MCL for nitrate. This statement maintains structural consistency with USEPA rules.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- e) This subsection (e) corresponds with 40 CFR 141.23(p), which pertains to the use of existing data up until a date long since expired. This statement maintains structural consistency with USEPA rules.
- f) ~~Analyses Except for arsenic, for which analyses must be made in accordance with Section 611.611, analyses~~ conducted to determine compliance with the old MCLs of Section 611.300 must be made in accordance with the following methods, incorporated by reference in Section 611.102, or alternative methods approved by the Agency pursuant to Section 611.480.
- 1) Fluoride: The methods specified in Section 611.611(c) must apply for the purposes of this Section.
 - 2) Iron.
 - A) Standard Methods.
 - i) Method 3111 B, 18th, 19th, or 21st ed.;
 - ii) Method 3113 B, 18th, 19th, or 21st ed.; or
 - iii) Method 3120 B, 18th, 19th, 20th, or 21st ed.
 - B) Standard Methods Online, Method 3113 B-04.
 - C) USEPA Environmental Metals Methods.
 - i) Method 200.7 (rev. 4.4); or
 - ii) Method 200.9 (rev. 2.2).
 - D) Axially viewed inductively coupled plasma-atomic emission spectrometry (AVICP-AES): USEPA NERL Method 200.5.

BOARD NOTE: USEPA added this method as an approved alternative method in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616). USEPA added Standard Methods Online, Method 3113

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

B-04 as an approved alternative method for iron in appendix A to subpart C of 40 CFR 141 on June 24, 2011 (at 76 Fed. Reg. 37014).

BOARD NOTE: USEPA added Standard Methods, 21st ed.; Methods 3111 B, 3113 B, and 3120 B and USEPA NERL Method 200.5 as approved alternative methods for iron in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616).

- 3) Manganese.
 - A) Standard Methods.
 - i) Method 3111 B, 18th, 19th, or 21st ed.;
 - ii) Method 3113 B, 18th, 19th, or 21st ed.; or
 - iii) Method 3120 B, 18th, 19th, 20th, or 21st ed.
 - B) Standard Methods Online, Method 3113 B-04.
 - C) USEPA Environmental Metals Methods.
 - i) Method 200.7 (rev. 4.4);
 - ii) Method 200.8 (rev. 5.3); or
 - iii) Method 200.9 (rev. 2.2).
 - D) Axially viewed inductively coupled plasma-atomic emission spectrometry (AVICP-AES): USEPA NERL Method 200.5.

BOARD NOTE: USEPA added Standard Methods, 21st ed.; Methods 3111 B, 3113 B, and 3120 B and USEPA NERL Method 200.5 as approved alternative methods for manganese in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616). USEPA added Standard Methods Online, Method 3113 B-04 as an approved alternative method for manganese in appendix A to subpart C of 40 CFR 141 on June 24, 2011 (at 76 Fed. Reg. 37014).

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- 4) Zinc.
 - A) Standard Methods.
 - i) Method 3111 B, 18th, 19th, or 21st ed.; or
 - ii) Method 3120 B, 18th, 19th, 20th, or 21st ed.
 - B) USEPA Environmental Metals Methods.
 - i) Method 200.7 (rev. 4.4); or
 - ii) Method 200.8 (rev. 5.3).
 - C) Axially viewed inductively coupled plasma-atomic emission spectrometry (AVICP-AES): USEPA NERL Method 200.5.

BOARD NOTE: USEPA added Standard Methods, 21st ed.; Methods 3111 B and 3120 B and USEPA NERL Method 200.5 as approved alternative methods for zinc in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616).

BOARD NOTE: The provisions of subsections (a) through (e) of this Section derive from 40 CFR 141.23(l) through (p) ~~(2012)(2011)~~. Subsections (f)(2) through (f)(4) of this Section relate exclusively to additional State requirements. The Board retained subsection (f) of this Section to set forth methods for the inorganic contaminants for which there is a State-only MCL. The methods specified are those set forth in 40 CFR 143.4(b) and appendix A to subpart C of 40 CFR 141 ~~(2012)(2011)~~, for secondary MCLs.

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

SUBPART O: ORGANIC MONITORING AND ANALYTICAL REQUIREMENTS

Section 611.641 Old MCLs

- a) An analysis of substances for the purpose of determining compliance with the old MCLs of Section 611.310 must be made as follows:
 - 1) The Agency mustshall, by SEP, require CWS suppliers utilizing surface

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

water sources to collect samples during the period of the year when contamination by pesticides is most likely to occur. The Agency must require the supplier to repeat these analyses at least annually.

- 2) The Agency mustshall, by SEP, require CWS suppliers utilizing only groundwater sources to collect samples at least once every three years.
- b) If the result of an analysis made pursuant to subsection (a) indicates that the level of any contaminant exceeds its old MCL, the CWS supplier must report to the Agency within seven days and initiate three additional analyses within one month.
- c) When the average of four analyses made pursuant to subsection (a), rounded to the same number of significant figures as the MCL for the substance in question, exceeds the old MCL, the CWS supplier must report to the Agency and give notice to the public pursuant to Subpart T of this Part. Monitoring after public notification must be at a frequency designated by the Agency and must continue until the MCL has not been exceeded in two successive samples or until a monitoring schedule as a condition to a variance, adjusted standard, or enforcement action becomes effective.
- d) Analysis made to determine compliance with the old MCLs of Section 611.310 must be made in accordance with the appropriate methods specified in Section 611.645.

BOARD NOTE: This provision now applies only to State-only MCLs. It was formerly derived from 40 CFR 141.24(a) through (e), which USEPA removed and reserved.

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

Section 611.645 Analytical Methods for Organic Chemical Contaminants

Analysis for the Section 611.311(a) VOCs under Section 611.646; the Section 611.311(c) SOCs under Section 611.648; the Section 611.310 old MCLs under Section 611.641; and for THMs, TTHMs, and TTHM potential must be conducted using the methods listed in this Section. All methods are incorporated by reference in Section 611.102. Other required analytical test procedures germane to the conduct of these analyses are contained in the USEPA document, "Technical Notes of Drinking Water Methods," incorporated by reference in Section 611.102.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

a) Volatile Organic Chemical Contaminants (VOCs).

Contaminant	Analytical Methods
Benzene	USEPA Organic Methods, Methods 502.2 (rev. 2.1) and 524.2 (rev. 4.1); USEPA OGWDW Methods, Method 524.3 (rev. 1.0)
Carbon tetrachloride	USEPA Organic Methods, Methods 502.2 (rev. 2.1) and 524.2 (rev. 4.1); USEPA OGWDW Methods, Method 524.3 (rev. 1.0) and 551.1 (rev. 1.0)
Chlorobenzene	USEPA Organic Methods, Methods 502.2 (rev. 2.1) and 524.2 (rev. 4.1); USEPA OGWDW Methods, Method 524.3 (rev. 1.0)
1,2-Dichlorobenzene	USEPA Organic Methods, Methods 502.2 (rev. 2.1) and 524.2 (rev. 4.1); USEPA OGWDW Methods, Method 524.3 (rev. 1.0)
1,4-Dichlorobenzene	USEPA Organic Methods, Methods 502.2 (rev. 2.1) and 524.2 (rev. 4.1); USEPA OGWDW Methods, Method 524.3 (rev. 1.0)
1,2-Dichloroethane	USEPA Organic Methods, Methods 502.2 (rev. 2.1) and 524.2 (rev. 4.1); USEPA OGWDW Methods, Method 524.3 (rev. 1.0)
cis-Dichloroethylene	USEPA Organic Methods, Methods 502.2 (rev. 2.1) and 524.2 (rev. 4.1); USEPA OGWDW Methods, Method 524.3 (rev. 1.0)
trans-Dichloroethylene	USEPA Organic Methods, Methods 502.2 (rev. 2.1) and 524.2 (rev. 4.1); USEPA OGWDW Methods, Method 524.3 (rev. 1.0)
Dichloromethane	USEPA Organic Methods, Methods 502.2 (rev. 2.1) and 524.2 (rev. 4.1); USEPA OGWDW Methods, Method

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

1,2-Dichloropropane	524.3 (rev. 1.0) USEPA Organic Methods, Methods 502.2 (rev. 2.1) and 524.2 (rev. 4.1); USEPA OGWDW Methods, Method 524.3 (rev. 1.0)
Ethylbenzene	USEPA Organic Methods, Methods 502.2 (rev. 2.1) and 524.2 (rev. 4.1); USEPA OGWDW Methods, Method 524.3 (rev. 1.0)
Styrene	USEPA Organic Methods, Methods 502.2 (rev. 2.1) and 524.2 (rev. 4.1); USEPA OGWDW Methods, Method 524.3 (rev. 1.0)
Tetrachloroethylene	USEPA Organic Methods, Methods 502.2 (rev. 2.1) and 524.2 (rev. 4.1); USEPA OGWDW Methods, Method 524.3 (rev. 1.0) and 551.1 (rev. 1.0)
1,1,1-Trichloroethane	USEPA Organic Methods, Methods 502.2 (rev. 2.1) and 524.2 (rev. 4.1); USEPA OGWDW Methods, Method 524.3 (rev. 1.0) and 551.1 (rev. 1.0)
Trichloroethylene	USEPA Organic Methods, Methods 502.2 (rev. 2.1) and 524.2 (rev. 4.1); USEPA OGWDW Methods, Method 524.3 (rev. 1.0) and 551.1 (rev. 1.0)
Toluene	USEPA Organic Methods, Methods 502.2 (rev. 2.1) and 524.2 (rev. 4.1); USEPA OGWDW Methods, Method 524.3 (rev. 1.0)
1,2,4-Trichlorobenzene	USEPA Organic Methods, Methods 502.2 (rev. 2.1) and 524.2 (rev. 4.1); USEPA OGWDW Methods, Method 524.3 (rev. 1.0)
1,1-Dichloroethylene	USEPA Organic Methods, Methods 502.2 (rev. 2.1) and 524.2 (rev. 4.1); USEPA OGWDW Methods, Method 524.3 (rev. 1.0)
1,1,2-Trichloroethane	USEPA Organic Methods, Methods 502.2 (rev. 2.1) and 524.2 (rev. 4.1);

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Vinyl chloride	USEPA OGWDW Methods, Method 524.3 (rev. 1.0) USEPA Organic Methods, Methods 502.2 (rev. 2.1) and 524.2 (rev. 4.1); USEPA OGWDW Methods, Method 524.3 (rev. 1.0)
Xylenes (total)	USEPA Organic Methods, Methods 502.2 (rev. 2.1) and 524.2 (rev. 4.1); USEPA OGWDW Methods, Method 524.3 (rev. 1.0)

BOARD NOTE: USEPA added USEPA OGWDW Method 524.3 (rev. 1.0) as an alternative method for all of the VOCs in appendix A to subpart C of 40 CFR 141 on August 3, 2009 (at 74 Fed. Reg. 38348).

b) Synthetic Organic Chemical Contaminants (SOCs).

Contaminant	Analytical Methods
2,3,7,8-Tetrachlorodibenzodioxin (2,3,7,8-TCDD or dioxin)	Dioxin and Furan Method 1613 (rev. B)
2,4-D	USEPA Organic Methods, Methods 515.2 (rev. 1.1), 555 (rev. 1.0), and 515.1 (rev. 4.0); USEPA Organic and Inorganic Methods, Method 515.3 (rev. 1.0); USEPA OGWDW Methods, Method 515.4 (rev. 1.0); ASTM Method D5317-93 or D5317-98; Standard Methods, 21 st ed., Method 6640 B
2,4,5-TP (Silvex)	USEPA Organic Methods, Methods 515.2 (rev. 1.1), 555 (rev. 1.0), and 515.1 (rev. 4.0); USEPA Organic and Inorganic Methods, Method 515.3 (rev. 1.0); USEPA OGWDW Methods, Method 515.4 (rev. 1.0); ASTM Method D5317-93 or D5317-98; Standard Methods, 21 st ed., Method 6640 B

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Alachlor	USEPA Organic Methods, Methods 505 (rev. 2.1) ¹ , 507 (rev. 2.1), 508.1 (rev. 2.0), 525.2 (rev. 2.0), 525.3 (ver. 1.0) , and 551.1 (rev. 1.0)
Atrazine	USEPA Organic Methods, Methods 505 (rev. 2.1) ¹ , 507 (rev. 2.1), 508.1 (rev. 2.1), 523 (ver. 1.0) , 525.2 (rev. 2.0), 525.3 (ver. 1.0) , 536 (ver. 1.0) , and 551.1 (rev. 1.0); Syngenta AG-625 ²
Benzo(a)pyrene	USEPA Organic Methods, Methods 525.2 (rev. 2.0), 525.3 (ver 1.0) , 550, and 550.1
Carbofuran	USEPA Organic Methods, Methods 531.1 (rev. 3.1); USEPA OGWDW Methods, Method 531.2 (rev. 1.0); Standard Methods, 18 th ed. Supplement, 19 th ed., or 20 th ed., Method 6610; Standard Methods, 21 st ed., Method 6610 B; Standard Methods Online, Method 6610 B-04
Chlordane	USEPA Organic Methods, Methods 505 (rev. 2.1), 508 (rev. 3.1), 508.1 (rev. 2.1), and 525.2 (rev. 2.0), and 525.3 (ver. 1.0)
Dalapon	USEPA Organic Methods, Methods 515.1 (rev. 4.0), 552.1 (rev. 1.0), and 552.2 (rev. 1.0); USEPA Organic and Inorganic Methods, Method 515.3 (rev. 1.0); USEPA OGWDW Methods, Methods 515.4 (rev. 1.0), 552.3 (rev. 1.0), and 557; Standard Methods, 21 st ed., Method 6640 B
Di(2-ethylhexyl)adipate	USEPA Organic Methods, Methods 506 (rev. 1.1), and 525.2 (rev. 2.0), and 525.3 (ver. 1.0)
Di(2-ethylhexyl)phthalate	USEPA Organic Methods, Methods 506 (rev. 1.1), and 525.2 (rev. 2.0), and 525.3 (ver. 1.0)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Dibromochloropropane (DBCP)	USEPA Organic Methods, Methods 504.1 (rev. 1.1), USEPA OGWDW Methods, Methods 524.3 (rev. 1.0) and 551.1 (rev. 1.0)
Dinoseb	USEPA Organic Methods, Methods 515.1 (rev. 4.0) and 515.2 (rev. 1.1); USEPA Organic and Inorganic Methods, Method 515.3 (rev. 1.0); USEPA OGWDW Methods, Methods 515.4 (rev. 1.0) and 555 (rev. 1.0); Standard Methods, 21 st ed., Method 6640 B
Diquat	USEPA NERL Method 549.2 (rev. 1.0)
Endothall	USEPA Organic Methods, Method 548.1 (rev. 1.0)
Endrin	USEPA Organic Methods, Methods 505 (rev. 2.1), 508 (rev. 3.1), 508.1 (rev. 2.0), 525.2 (rev. 2.0), 525.3 (ver. 1.0) , and 551.1 (rev. 1.0)
Ethylene dibromide (EDB)	USEPA Organic Methods, Method 504.1 (rev. 1.1); USEPA OGWDW Methods, Methods 524.3 (rev. 1.0) and 551.1 (rev.1.0)
Glyphosate	USEPA Organic Methods, Method 547; Standard Methods, 18 th ed., 19 th ed., 20 th , or 21 st ed., Method 6651 B
Heptachlor	USEPA Organic Methods, Methods 505 (rev. 2.1), 508 (rev. 3.1), 508.1 (rev. 2.0), 525.2 (rev. 2.0), 525.3 (ver. 1.0) , and 551.1 (rev. 1.0)
Heptachlor Epoxide	USEPA Organic Methods, Methods 505 (rev. 2.1), 508 (rev. 3.1), 508.1 (rev. 2.0), 525.2 (rev. 2.0), 525.3 (ver. 1.0) , and 551.1 (rev.1.0)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Hexachlorobenzene	USEPA Organic Methods, Methods 505 (rev. 2.1), 508 (rev. 3.1), 508.1 (rev. 2.0), 525.2 (rev. 2.0), 525.3 (ver. 1.0) , and 551.1 (rev. 1.0)
Hexachlorocyclopentadiene	USEPA Organic Methods, Methods 505 (rev. 2.1), 508 (rev. 3.1), 508.1 (rev. 2.0), 525.2 (rev. 2.0), 525.3 (ver. 1.0) , and 551.1 (rev. 1.0)
Lindane	USEPA Organic Methods, Methods 505 (rev. 2.1), 508 (rev. 3.1), 508.1 (rev. 2.0), 525.2 (rev. 2.0), 525.3 (ver. 1.0) , and 551.1 (rev. 1.0)
Methoxychlor	USEPA Organic Methods, Methods 505 (rev. 2.1), 508 (rev. 3.1), 508.1 (rev. 2.0), 525.2 (rev. 2.0), 525.3 (ver. 1.0) , and 551.1 (rev. 1.0)
Oxamyl	USEPA Organic Methods, Method 531.1 (rev. 3.1); USEPA OGWDW Methods, Method 531.2 (rev. 1.0); Standard Methods, 18 th ed. Supplement, 19 th ed., or 20 th ed. Method 6610; Standard Methods, 21 st ed., Method 6610 B; Standard Methods Online, Method 6610 B-04
PCBs (measured for compliance purposes as decachlorobiphenyl)	USEPA Organic Methods, Method 508A (rev. 1.0)
PCBs (qualitatively identified as Aroclors)	USEPA Organic Methods, Methods 505 (rev. 2.1), 508 (rev. 3.1), 508.1 (rev. 2.0), and 525.2 (rev. 2.0), and 525.3 (ver. 1.0)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Pentachlorophenol	USEPA Organic Methods, Methods 515.1 (rev. 4.0), 515.2 (rev. 1.1), 525.2 (rev. 2.0), 525.3 (ver. 1.0) , and 555 (rev. 1.0); USEPA Organic and Inorganic Methods, Method 515.3 (rev. 1.0); USEPA OGWDW Methods, Method 515.4 (rev. 1.0); ASTM Method D5317-93 or D5317-98 (2003); Standard Methods, 21 st ed., Method 6640 B
Picloram	USEPA Organic Methods, Methods 515.1 (rev. 4.0), 515.2 (rev. 1.1) and 555 (rev. 1.0); USEPA Organic and Inorganic Methods, Method 515.3 (rev. 1.0); USEPA OGWDW Methods, Method 515.4 (rev. 1.0); ASTM Method D5317-93 or D5317-98 (2003); Standard Methods, 21 st ed., Method 6640 B
Simazine	USEPA Organic Methods, Methods 505 (rev. 2.1) ¹ , 507 (rev. 2.1), 508.1 (rev. 2.0), 523 (ver. 1.0) , 525.2 (rev. 2.0), 525.3 (ver. 1.0) , 536 (ver. 1.0) , and 551.1 (rev. 1.0)
Toxaphene	USEPA Organic Methods, Methods 505 (rev. 2.1), 508 (rev. 2.1), 508.1 (rev. 2.0), and 525.2 (rev. 2.0), <u>and</u> 525.3 (ver. 1.0)

BOARD NOTE: USEPA added Standard Methods, 21st ed., Method 6610 B and Standard Methods Online, Method 6610 B-04 as approved alternative methods for carbofuran and oxamyl on June 3, 2008 (at 73 Fed. Reg. 31616). USEPA added USEPA OGWDW Method 524.3 (rev. 1.0) as an alternative method for dibromochloropropane and ethylene dibromide in appendix A to subpart C of 40 CFR 141 on August 3, 2009 (at 74 Fed. Reg. 38348). USEPA approved Standard Methods, 21st ed., Method 6640 B and Standard Methods Online, Method 6640 B-01 and USEPA OGWDW Methods, Method 557 as approved alternative methods for dalapon in appendix A to subpart C of 40 CFR 141 on June 8, 2010 (at 75 Fed. Reg. 32295). USEPA added Standard Methods, 21st ed., Method 6640 B as an approved alternative method for 2,4-D, 2,4,5-TP (Silvex), dinoseb,

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

pentachlorophenol, and picloram in appendix A to subpart C of 40 CFR 141 on June 24, 2011 (at 76 Fed. Reg. 37014). USEPA added Standard Methods, Online, Method 6640 B-01 as an approved alternative method for 2,4-D, 2,4,5-TP (Silvex), dalapon, dinoseb, pentachlorophenol, and picloram and in appendix A to subpart C of 40 CFR 141 on June 24, 2011 (at 76 Fed. Reg. 37014). Since the version of Method 6640 B that appears in Standard Methods Online is the same as that which appears in Standard Methods, 21st ed., the Board has cited only to Standard Methods, 21st ed. USEPA added Standard Methods, 21st ed., Method 6651 B as an approved alternative method for glyphosate in appendix A to subpart C of 40 CFR 141 on June 24, 2011 (at 76 Fed. Reg. 37014). USEPA added Standard Methods Online, Method 6651 B-00 as an approved alternative method for glyphosate in appendix A to subpart C of 40 CFR 141 on June 24, 2011 (at 76 Fed. Reg. 37014). Since the version of Method 6651 B that appears in Standard Methods Online is the same as that which appears in Standard Methods, 21st ed., the Board has cited only to Standard Methods, 21st ed. [USEPA approved USEPA OGWDW Methods, Method 523 \(ver. 1.0\) and Method 536 \(ver. 1.0\) as approved alternative methods for atrazine and simazine and USEPA NERL Methods, Method 525.3 as an approved alternative method for alachlor, atrazine, benzo\(a\)pyrene, chlordane, di\(2-ethylhexyl\)-adipate, di\(2-ethylhexyl\)phthalate, endrin, heptachlor, heptachlor epoxide, hexachlorobenzene, hexachlorocyclopentadiene, lindane, methoxychlor, PCBs \(as aroclors\), pentachlorophenol, simazine, and toxaphene in appendix A to subpart C of 40 CFR 141 on June 8, 2012 \(at 77 Fed. Reg. 38523\).](#)

c) Total Trihalomethanes (TTHMs).

Contaminant	Analytical Methods
Total Trihalomethanes (TTHMs), Trihalomethanes (THMs), and Maximum Total Trihalomethane Potential	USEPA Organic Methods, Methods 502.2 (rev. 2.1) and 524.2 (rev. 4.1); USEPA OGWDW Methods, Method 524.3 (rev. 1.0) and 551.1 (rev. 1.0)

BOARD NOTE: USEPA added USEPA OGWDW Method 524.3 (rev. 1.0) as an alternative method for total trihalomethane in appendix A to subpart C of 40 CFR 141 on August 3, 2009 (at 74 Fed. Reg. 38348).

d) State-Only MCLs (for which a method is not listed in subsections (a) through (c))

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

of this Section).

Contaminant	Analytical Methods
Aldrin	USEPA Organic Methods, Methods 505 (rev. 2.1), 508 (rev. 3.1), 508.1 (rev. 2.0), and 525.2 (rev. 2.0)
DDT	USEPA Organic Methods, Methods 505 (rev. 2.1) and 508 (rev. 3.1)
Dieldrin	USEPA Organic Methods, Methods 505 (rev. 2.1), 508 (rev. 3.1), 508.1 (rev. 2.0), and 525.2 (rev. 2.0)

- e) The following footnotes are appended to method entries in subsections (a) and (b) of this Section:

- ¹ denotes that, for the particular contaminant, a nitrogen-phosphorus detector should be substituted for the electron capture detector in method 505 (or another approved method should be used) to determine alachlor, atrazine, and simazine if lower detection limits are required.
- ² denotes that Syngenta Method AG-625 may not be used for the analysis of atrazine in any system where chlorine dioxide is used for drinking water treatment. In samples from all other systems, any result for atrazine generated by Syngenta Method AG-625 that is greater than one-half the maximum contaminant level (MCL) (in other words, greater than 0.0015mg/ℓ or 1.5 µg/ℓ) must be confirmed using another approved method for this contaminant and should use additional volume of the original sample collected for compliance monitoring. In instances where a result from Syngenta Method AG-625 triggers such confirmatory testing, the confirmatory result is to be used to determine compliance.

BOARD NOTE: Derived from 40 CFR 141.24(e) and appendix A to subpart C of 40 CFR 141 ~~(2012)(2011)~~.

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

Section 611.646 Phase I, Phase II, and Phase V Volatile Organic Contaminants

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Monitoring of the Phase I, Phase II, and Phase V VOCs for the purpose of determining compliance with the MCL must be conducted as follows:

- a) Definitions. As used in this Section the following have the given meanings:

"Detect" and "detection" mean that the contaminant of interest is present at a level greater than or equal to the "detection limit."

"Detection limit" means 0.0005 mg/ℓ.

BOARD NOTE: Derived from 40 CFR 141.24(f)(7), (f)(11), (f)(14)(i), and (f)(20) ~~(2012)(2005)~~. This is a "trigger level" for Phase I, Phase II, and Phase V VOCs inasmuch as it prompts further action. The use of the term "detect" in this Section is not intended to include any analytical capability of quantifying lower levels of any contaminant, or the "method detection limit." Note, however, that certain language at the end of federal paragraph (f)(20) is capable of meaning that the "method detection limit" is used to derive the "detection limit." The Board has chosen to disregard that language at the end of paragraph (f)(20) in favor of the more direct language of paragraphs (f)(7) and (f)(11).

"Method detection limit," as used in subsections (q) and (t) of this Section means the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix containing the analyte.

BOARD NOTE: Derived from appendix B to 40 CFR 136 ~~(2012)(2005)~~. The method detection limit is determined by the procedure set forth in appendix B to 40 CFR 136, incorporated by reference in Section 611.102(c). See subsection (t) of this Section.

- b) Required sampling. Each supplier must take a minimum of one sample at each sampling point at the times required in subsection (u) of this Section.
- c) Sampling points.
- 1) Sampling points for a GWS. Unless otherwise provided by a SEP granted by the Agency pursuant to Section 611.110, a GWS supplier must take at

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

least one sample from each of the following points: each entry point that is representative of each well after treatment.

- 2) Sampling points for an SWS or mixed system supplier. Unless otherwise provided by a SEP granted by the Agency pursuant to Section 611.110, an SWS or mixed system supplier must sample from each of the following points:
 - A) Each entry point after treatment; or
 - B) Points in the distribution system that are representative of each source.
- 3) The supplier must take each sample at the same sampling point unless the Agency has granted a SEP pursuant to Section 611.110 that designates another location as more representative of each source, treatment plant, or within the distribution system.
- 4) If a system draws water from more than one source, and the sources are combined before distribution, the supplier must sample at an entry point during periods of normal operating conditions when water is representative of all sources being used.

BOARD NOTE: Subsections (b) and (c) of this Section derived from 40 CFR 141.24(f)(1) through (f)(3) ~~(2012)(2005)~~.

- d) Each CWS and NTNCWS supplier must take four consecutive quarterly samples for each of the Phase I VOCs, excluding vinyl chloride, and Phase II VOCs during each compliance period, beginning in the compliance period starting in the initial compliance period.
- e) Reduction to annual monitoring frequency. If the initial monitoring for the Phase I, Phase II, and Phase V VOCs, as allowed in subsection (r)(1) of this Section, was completed by December 31, 1992, and the supplier did not detect any of the Phase I VOCs, including vinyl chloride; Phase II VOCs; or Phase V VOCs, then the supplier must take one sample annually beginning in the initial compliance period.
- f) GWS reduction to triennial monitoring frequency. After a minimum of three

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

years of annual sampling, GWS suppliers that have not previously detected any of the Phase I VOCs, including vinyl chloride; Phase II VOCs; or Phase V VOCs must take one sample during each three-year compliance period.

- g) A CWS or NTNCWS supplier that has completed the initial round of monitoring required by subsection (d) of this Section and which did not detect any of the Phase I VOCs, including vinyl chloride; Phase II VOCs; and Phase V VOCs may apply to the Agency for a SEP pursuant to Section 611.110 that releases it from the requirements of subsection (e) or (f) of this Section. A supplier that serves fewer than 3300 service connections may apply to the Agency for a SEP that releases it from the requirements of subsection (d) of this Section as to 1,2,4-trichlorobenzene.

BOARD NOTE: Derived from 40 CFR 141.24(f)(7) and (f)(10) ~~(2012)(2005)~~, and the discussion at 57 Fed. Reg. 31825 (July 17, 1992). Provisions concerning the term of the waiver appear in subsections (i) and (j) of this Section. The definition of "detect," parenthetically added to the federal counterpart paragraph, is in subsection (a) of this Section.

- h) Vulnerability assessment. The Agency must consider the factors of Section 611.110(e) in granting a SEP from the requirements of subsection (d), (e), or (f) of this Section sought pursuant to subsection (g) of this Section.
- i) A SEP issued to a GWS pursuant to subsection (g) of this Section is for a maximum of six years, except that a SEP as to the subsection (d) of this Section monitoring for 1,2,4-trichlorobenzene must apply only to the initial round of monitoring. As a condition of a SEP, except as to a SEP from the initial round of subsection (d) of this Section monitoring for 1,2,4-trichlorobenzene, the supplier shall, within 30 months after the beginning of the period for which the waiver was issued, reconfirm its vulnerability assessment required by subsection (h) of this Section and submitted pursuant to subsection (g) of this Section, by taking one sample at each sampling point and reapplying for a SEP pursuant to subsection (g) of this Section. Based on this application, the Agency must do either of the following:
- 1) If it determines that the PWS meets the standard of Section 611.610(e), issue a SEP that reconfirms the prior SEP for the remaining three-year compliance period of the six-year maximum term; or

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- 2) Issue a new SEP requiring the supplier to sample annually.

BOARD NOTE: Subsection (i) of this Section does not apply to an SWS or mixed system supplier.

- j) Special considerations for a SEP for an SWS or mixed-system supplier.
 - 1) The Agency must determine that an SWS is not vulnerable before issuing a SEP pursuant to Section 611.110 to an SWS supplier. A SEP issued to an SWS or mixed system supplier pursuant to subsection (g) of this Section is for a maximum of one compliance period; and
 - 2) The Agency may require, as a condition to a SEP issued to an SWS or mixed supplier, that the supplier take such samples for Phase I, Phase II, and Phase V VOCs at such a frequency as the Agency determines are necessary, based on the vulnerability assessment.

BOARD NOTE: There is a great degree of similarity between 40 CFR 141.24(f)(7) ~~(2012)(2005)~~, the provision applicable to GWSs, and 40 CFR 141.24(f)(10) ~~(2012)(2005)~~, the provision for SWSs. The Board has consolidated the common requirements of both paragraphs into subsection (g) of this Section. Subsection (j) of this Section represents the elements unique to an SWSs or mixed system, and subsection (i) of this Section relates to a GWS supplier. Although 40 CFR 141.24(f)(7) and (f)(10) are silent as to a mixed system supplier, the Board has included a mixed system supplier with an SWS supplier because this best follows the federal scheme for all other contaminants.

- k) If one of the Phase I VOCs, excluding vinyl chloride; a Phase II VOC; or a Phase V VOC is detected in any sample, then the following must occur:
 - 1) The supplier must monitor quarterly for that contaminant at each sampling point that resulted in a detection.
 - 2) Annual monitoring.
 - A) The Agency must grant a SEP pursuant to Section 611.110 that allows a supplier to reduce the monitoring frequency to annual at a sampling point if it determines that the sampling point is reliably and consistently below the MCL.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- B) A request for a SEP must include the following minimal information:
- i) For a GWS, two quarterly samples.
 - ii) For an SWS or mixed system supplier, four quarterly samples.
- C) In issuing a SEP, the Agency must specify the level of the contaminant upon which the "reliably and consistently" determination was based. Any SEP that allows less frequent monitoring based on an Agency "reliably and consistently" determination must include a condition requiring the supplier to resume quarterly monitoring pursuant to subsection (k)(1) of this Section if it violates the MCL specified by Section 611.311.
- 3) Suppliers that monitor annually must monitor during the quarters that previously yielded the highest analytical result.
- 4) Suppliers that do not detect a contaminant at a sampling point in three consecutive annual samples may apply to the Agency for a SEP pursuant to Section 611.110 that allows it to discontinue monitoring for that contaminant at that point, as specified in subsection (g) of this Section.
- 5) A GWS supplier that has detected one or more of the two-carbon contaminants listed in subsection (k)(5)(A) of this Section must monitor quarterly for vinyl chloride as described in subsection (k)(5)(B) of this Section, subject to the limitation of subsection (k)(5)(C) of this Section.
- A) "Two-carbon contaminants" (Phase I or II VOC) are the following:
- 1,2-Dichloroethane (Phase I)
 - 1,1-Dichloroethylene (Phase I)
 - cis-1,2-Dichloroethylene (Phase II)
 - trans-1,2-Dichloroethylene (Phase II)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Tetrachloroethylene (Phase II)

1,1,1-Trichloroethylene (Phase I)

Trichloroethylene (Phase I)

- B) The supplier must sample quarterly for vinyl chloride at each sampling point at which it detected one or more of the two-carbon contaminants listed in subsection (k)(5)(A) of this Section.
 - C) The Agency must grant a SEP pursuant to Section 611.110 that allows the supplier to reduce the monitoring frequency for vinyl chloride at any sampling point to once in each three-year compliance period if it determines that the supplier has not detected vinyl chloride in the first sample required by subsection (k)(5)(B) of this Section.
- l) Quarterly monitoring following MCL violations.
- 1) Suppliers that violate an MCL for one of the Phase I VOCs, including vinyl chloride; Phase II VOCs; or Phase V VOCs, as determined by subsection (o) of this Section, must monitor quarterly for that contaminant, at the sampling point where the violation occurred, beginning the next quarter after the violation.
 - 2) Annual monitoring.
 - A) The Agency must grant a SEP pursuant to Section 611.110 that allows a supplier to reduce the monitoring frequency to annually if it determines that the sampling point is reliably and consistently below the MCL.
 - B) A request for a SEP must include the following minimal information: four quarterly samples.
 - C) In issuing a SEP, the Agency must specify the level of the contaminant upon which the "reliably and consistently" determination was based. Any SEP that allows less frequent

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

monitoring based on an Agency "reliably and consistently" determination must include a condition requiring the supplier to resume quarterly monitoring pursuant to subsection (l)(1) of this Section if it violates the MCL specified by Section 611.311.

- D) The supplier must monitor during the quarters that previously yielded the highest analytical result.
- m) Confirmation samples. The Agency may issue a SEP pursuant to Section 610.110 to require a supplier to use a confirmation sample for results that it finds dubious for whatever reason. The Agency must state its reasons for issuing the SEP if the SEP is Agency-initiated.
- 1) If a supplier detects any of the Phase I, Phase II, or Phase V VOCs in a sample, the supplier must take a confirmation sample as soon as possible, but no later than 14 days after the supplier receives notice of the detection.
 - 2) Averaging is as specified in subsection (o) of this Section.
 - 3) The Agency must delete the original or confirmation sample if it determines that a sampling error occurred, in which case the confirmation sample will replace the original or confirmation sample.
- n) This subsection (n) corresponds with 40 CFR 141.24(f)(14), an optional USEPA provision relating to compositing of samples that USEPA does not require for state programs. This statement maintains structural consistency with USEPA rules.
- o) Compliance with the MCLs for the Phase I, Phase II, and Phase V VOCs must be determined based on the analytical results obtained at each sampling point.
~~If Effective January 22, 2004, if~~ one sampling point is in violation of an MCL, the system is in violation of the MCL.
- 1) ~~For Effective January 22, 2004, for~~ a supplier that monitors more than once per year, compliance with the MCL is determined by a running annual average at each sampling point.
 - 2) ~~A Effective January 22, 2004, a~~ supplier that monitors annually or less frequently whose sample result exceeds the MCL must begin quarterly

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

sampling. The system will not be considered in violation of the MCL until it has completed one year of quarterly sampling.

- 3) ~~If Effective January 22, 2004, if~~ any sample result will cause the running annual average to exceed the MCL at any sampling point, the supplier is out of compliance with the MCL immediately.
 - 4) ~~If Effective January 22, 2004, if~~ a supplier fails to collect the required number of samples, compliance will be based on the total number of samples collected.
 - 5) ~~If Effective January 22, 2004, if~~ a sample result is less than the detection limit, zero will be used to calculate the annual average.
 - 6) ~~Until January 22, 2004, for a supplier that conducts monitoring at a frequency greater than annual, compliance is determined by a running annual average of all samples taken at each sampling point.~~
 - A) ~~If the annual average of any sampling point is greater than the MCL, then the supplier is out of compliance.~~
 - B) ~~If the initial sample or a subsequent sample would cause the annual average to exceed the MCL, then the supplier is out of compliance immediately.~~
 - C) ~~Any samples below the detection limit must be deemed as zero for purposes of determining the annual average.~~
 - 7) ~~Until January 22, 2004, if monitoring is conducted annually, or less frequently, the supplier is out of compliance if the level of a contaminant at any sampling point is greater than the MCL. Until January 22, 2004, if a confirmation sample is taken, the determination of compliance is based on the average of two samples.~~
- p) This subsection (p) corresponds with 40 CFR 141.24(f)(16), which USEPA removed and reserved. This statement maintains structural consistency with the federal regulations.
- q) Analysis under this Section must only be conducted by laboratories that have

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

received certification by USEPA or the Agency according to the following conditions:

- 1) To receive certification to conduct analyses for the Phase I VOCs, excluding vinyl chloride; Phase II VOCs; and Phase V VOCs, the laboratory must do the following:
 - A) It must analyze performance evaluation (PE) samples that include these substances provided by the Agency pursuant to 35 Ill. Adm. Code 186.170;
 - B) It must achieve the quantitative acceptance limits under subsections (q)(1)(C) and (q)(1)(D) of this Section for at least 80 percent of the regulated organic contaminants in the PE sample;
 - C) It must achieve quantitative results on the analyses performed under subsection (q)(1)(A) of this Section that are within ± 20 percent of the actual amount of the substances in the PE sample when the actual amount is greater than or equal to 0.010 mg/l;
 - D) It must achieve quantitative results on the analyses performed under subsection (q)(1)(A) of this Section that are within ± 40 percent of the actual amount of the substances in the PE sample when the actual amount is less than 0.010 mg/l; and
 - E) It must achieve a method detection limit of 0.0005 mg/l, according to the procedures in appendix B to 40 CFR 136, incorporated by reference in Section 611.102.
- 2) To receive certification to conduct analyses for vinyl chloride the laboratory must do the following:
 - A) It must analyze PE samples provided by the Agency pursuant to 35 Ill. Adm. Code 186.170;
 - B) It must achieve quantitative results on the analyses performed under subsection (q)(2)(A) of this Section that are within ± 40 percent of the actual amount of vinyl chloride in the PE sample;

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- C) It must achieve a method detection limit of 0.0005 mg/ℓ, according to the procedures in appendix B to 40 CFR 136, incorporated by reference in Section 611.102; and
 - D) It must obtain certification pursuant to subsection (q)(1) of this Section for Phase I VOCs, excluding vinyl chloride; Phase II VOCs; and Phase V VOCs.
- r) This subsection (r) corresponds with 40 CFR 141.24(f)(18), an obsolete provision that relates to the initial compliance period from 1993 through 1995. This statement maintains consistency with the federal regulations.
- s) The Agency shall, by a SEP issued pursuant to Section 611.110, increase the number of sampling points or the frequency of monitoring if it determines that it is necessary to detect variations within the PWS.
- t) Each laboratory certified for the analysis of Phase I, Phase II, or Phase V VOCs pursuant to subsection (q)(1) or (q)(2) of this Section shall do the following:
- 1) Determine the method detection limit (MDL), as defined in appendix B to 40 CFR 136, incorporated by reference in Section 611.102, at which it is capable of detecting the Phase I, Phase II, and Phase V VOCs; and,
 - 2) Achieve an MDL for each Phase I, Phase II, and Phase V VOC that is less than or equal to 0.0005 mg/ℓ.
- u) Each supplier must monitor, within each compliance period, at the time designated by the Agency by SEP pursuant to Section 611.110.
- v) A new system supplier or a supplier that uses a new source of water ~~that begins operation after January 22, 2004~~ must demonstrate compliance with the MCL within a period of time specified by a permit issued by the Agency. The supplier must also comply with the initial sampling frequencies specified by the Agency to ensure the supplier can demonstrate compliance with the MCL. Routine and increased monitoring frequencies must be conducted in accordance with the requirements in this Section.

BOARD NOTE: Derived from 40 CFR 141.24(f) ~~(2012)(2005)~~.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

Section 611.648 Phase II, Phase IIB, and Phase V Synthetic Organic Contaminants

Analysis of the Phase II, Phase IIB, and Phase V SOCs for the purposes of determining compliance with the MCL must be conducted as follows:

- a) Definitions. As used in this Section, the following terms will have the following meanings:

"Detect" or "detection" means that the contaminant of interest is present at a level greater than or equal to the "detection limit."

"Detection limit" means the level of the contaminant of interest that is specified in subsection (r) of this Section.

BOARD NOTE: This is a "trigger level" for Phase II, Phase IIB, and Phase V SOCs inasmuch as it prompts further action. The use of the term "detect" or "detection" in this Section is not intended to include any analytical capability of quantifying lower levels of any contaminant, or the "method detection limit."

- b) Required sampling. Each supplier must take a minimum of one sample at each sampling point at the times required in subsection (q) of this Section.

BOARD NOTE: See the Board note appended to Section 611.311(c) for information relating to implementation of requirements relating to aldicarb, aldicarb sulfone, and aldicarb sulfoxide.

- c) Sampling points.

- 1) Sampling points for GWSs. Unless otherwise provided by SEP, a GWS supplier must take at least one sample from each of the following points: each entry point that is representative of each well after treatment.
- 2) Sampling points for an SWS or mixed system supplier. Unless otherwise provided by SEP, an SWS or mixed system supplier must sample from each of the following points:

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- A) Each entry point after treatment; or
 - B) Points in the distribution system that are representative of each source.
- 3) The supplier must take each sample at the same sampling point unless the Agency has granted a SEP that designates another location as more representative of each source, treatment plant, or within the distribution system.
 - 4) If a system draws water from more than one source, and the sources are combined before distribution, the supplier must sample at an entry point during periods of normal operating conditions when water is representative of all sources being used.

BOARD NOTE: Subsections (b) and (c) of this Section derived from 40 CFR 141.24(h)(1) through (h)(3) ~~(2012)(2003)~~.

- d) Monitoring frequency.
 - 1) Each CWS and NTNCWS supplier must take four consecutive quarterly samples for each of the Phase II, Phase IIB, and Phase V SOCs during each compliance period, beginning in the three-year compliance period starting in the initial compliance period.
 - 2) Suppliers serving more than 3,300 persons that do not detect a contaminant in the initial compliance period must take a minimum of two quarterly samples in one year of each subsequent three-year compliance period.
 - 3) Suppliers serving fewer than or equal to 3,300 persons that do not detect a contaminant in the initial compliance period must take a minimum of one sample during each subsequent three-year compliance period.
- e) Reduction to annual monitoring frequency. A CWS or NTNCWS supplier may apply to the Agency for a SEP that releases it from the requirements of subsection (d) of this Section. A SEP from the requirement of subsection (d) of this Section must last for only a single three-year compliance period.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- f) Vulnerability assessment. The Agency must grant a SEP from the requirements of subsection (d) of this Section based on consideration of the factors set forth at Section 611.110(e).
- g) If one of the Phase II, Phase IIB, or Phase V SOCs is detected in any sample, then the following must occur:
- 1) The supplier must monitor quarterly for the contaminant at each sampling point that resulted in a detection.
 - 2) Annual monitoring.
 - A) A supplier may request that the Agency grant a SEP pursuant to Section 610.110 that reduces the monitoring frequency to annual.
 - B) A request for a SEP must include the following minimal information:
 - i) For a GWS, two quarterly samples.
 - ii) For an SWS or mixed system supplier, four quarterly samples.
 - C) The Agency must grant a SEP that allows annual monitoring at a sampling point if it determines that the sampling point is reliably and consistently below the MCL.
 - D) In issuing the SEP, the Agency must specify the level of the contaminant upon which the "reliably and consistently" determination was based. Any SEP that allows less frequent monitoring based on an Agency "reliably and consistently" determination must include a condition requiring the supplier to resume quarterly monitoring pursuant to subsection (g)(1) of this Section if it detects any Phase II SOC.
 - 3) Suppliers that monitor annually must monitor during the quarters that previously yielded the highest analytical result.
 - 4) Suppliers that have three consecutive annual samples with no detection of

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

a contaminant at a sampling point may apply to the Agency for a SEP with respect to that point, as specified in subsections (e) and (f) of this Section.

- 5) Monitoring for related contaminants.
 - A) If monitoring results in detection of one or more of the related contaminants listed in subsection (g)(5)(B) of this Section, subsequent monitoring must analyze for all the related compounds in the respective group.
 - B) Related contaminants.
 - i) First group.

aldicarb

aldicarb sulfone

aldicarb sulfoxide

BOARD NOTE: See the Board note appended to Section 611.311(c) for information relating to implementation of requirements relating to aldicarb, aldicarb sulfone, and aldicarb sulfoxide.
 - ii) Second group.

heptachlor

heptachlor epoxide.
- h) Quarterly monitoring following MCL violations.
 - 1) Suppliers that violate an MCL for one of the Phase II, Phase IIB, or Phase V SOCs, as determined by subsection (k) of this Section, must monitor quarterly for that contaminant at the sampling point where the violation occurred, beginning the next quarter after the violation.
 - 2) Annual monitoring.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- A) A supplier may request that the Agency grant a SEP pursuant to Section 611.110 that reduces the monitoring frequency to annual.
 - B) A request for a SEP must include, at a minimum, the results from four quarterly samples.
 - C) The Agency must grant a SEP that allows annual monitoring at a sampling point if it determines that the sampling point is reliably and consistently below the MCL.
 - D) In issuing the SEP, the Agency must specify the level of the contaminant upon which the "reliably and consistently" determination was based. Any SEP that allows less frequent monitoring based on an Agency "reliably and consistently" determination must include a condition requiring the supplier to resume quarterly monitoring pursuant to subsection (h)(1) of this Section if it detects any Phase II SOC.
 - E) The supplier must monitor during the quarters that previously yielded the highest analytical result.
- i) Confirmation samples.
- 1) If any of the Phase II, Phase IIB, or Phase V SOCs are detected in a sample, the supplier must take a confirmation sample as soon as possible, but no later than 14 days after the supplier receives notice of the detection.
 - 2) Averaging is as specified in subsection (k) of this Section.
 - 3) The Agency must delete the original or confirmation sample if it determines that a sampling error occurred, in which case the confirmation sample will replace the original or confirmation sample.
- j) This subsection (j) corresponds with 40 CFR 141.24(h)(10), an optional USEPA provision relating to compositing of samples that USEPA does not require for state programs. This statement maintains structural consistency with USEPA rules.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- k) Compliance with the MCLs for the Phase II, Phase IIB, and Phase V SOCs must be determined based on the analytical results obtained at each sampling point. ~~If Effective January 22, 2004, if~~ one sampling point is in violation of an MCL, the supplier is in violation of the MCL.
- 1) ~~For Effective January 22, 2004, for~~ a supplier that monitors more than once per year, compliance with the MCL is determined by a running annual average at each sampling point.
 - 2) ~~A Effective January 22, 2004, a~~ supplier that monitors annually or less frequently whose sample result exceeds the regulatory detection level as defined by subsection (r) of this Section must begin quarterly sampling. The system will not be considered in violation of the MCL until it has completed one year of quarterly sampling.
 - 3) ~~If Effective January 22, 2004, if~~ any sample result will cause the running annual average to exceed the MCL at any sampling point, the supplier is out of compliance with the MCL immediately.
 - 4) ~~If Effective January 22, 2004, if~~ a supplier fails to collect the required number of samples, compliance will be based on the total number of samples collected.
 - 5) ~~If Effective January 22, 2004, if~~ a sample result is less than the detection limit, zero will be used to calculate the annual average.
 - 6) ~~Until January 22, 2004, for a supplier that conducts monitoring at a frequency greater than annual, compliance is determined by a running annual average of all samples taken at each sampling point.~~
 - A) ~~If the annual average of any sampling point is greater than the MCL, then the supplier is out of compliance.~~
 - B) ~~If the initial sample or a subsequent sample would cause the annual average to exceed the MCL, then the supplier is out of compliance immediately.~~
 - C) ~~Any samples below the detection limit must be deemed as zero for purposes of determining the annual average.~~

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

~~7) Until January 22, 2004, if the supplier conducts monitoring annually, or less frequently, the supplier is out of compliance if the level of a contaminant at any sampling point is greater than the MCL. Until January 22, 2004, if a confirmation sample is taken, the determination of compliance is based on the average of two samples.~~

- l) This subsection (1) corresponds with 40 CFR 141.24(h)(12), which USEPA removed and reserved. This statement maintains structural consistency with the federal regulations.
- m) Analysis for PCBs must be conducted as follows using the methods in Section 611.645:
- 1) Each supplier that monitors for PCBs must analyze each sample using either USEPA Organic Methods, Method 505 or Method 508.
 - 2) If PCBs are detected in any sample analyzed using USEPA Organic Methods, Method 505 or 508, the supplier must reanalyze the sample using Method 508A to quantitate the individual Aroclors (as decachlorobiphenyl).
 - 3) Compliance with the PCB MCL must be determined based upon the quantitative results of analyses using USEPA Organic Methods, Method 508A.
- n) This subsection (n) corresponds with 40 CFR 141.24(h)(14), an obsolete provision that relates to the initial compliance period from 1993 through 1995. This statement maintains consistency with the federal regulations.
- o) The Agency must issue a SEP that increases the number of sampling points or the frequency of monitoring if it determines that this is necessary to detect variations within the PWS due to such factors as fluctuations in contaminant concentration due to seasonal use or changes in the water source.

BOARD NOTE: At 40 CFR 141.24(h)(15), USEPA uses the stated factors as non-limiting examples of circumstances that make additional monitoring necessary.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- p) This subsection (p) corresponds with 40 CFR 141.24(h)(16), a USEPA provision relating to reserving enforcement authority to the State that would serve no useful function as part of the State's rules. This statement maintains structural consistency with USEPA rules.
- q) Each supplier must monitor, within each compliance period, at the time designated by the Agency by SEP pursuant to Section 611.110.
- r) "Detection" means greater than or equal to the following concentrations for each contaminant:

- 1) for PCBs (Aroclors), the following:

Aroclor	Detection Limit (mg/ℓ)
1016	0.00008
1221	0.02
1232	0.0005
1242	0.0003
1248	0.0001
1254	0.0001
1260	0.0002

- 2) for other Phase II, Phase IIB, and Phase V SOCs, the following:

Contaminant	Detection Limit (mg/ℓ)
Aalachlor	0.0002
Aldicarb	0.0005
Aldicarb sulfoxide	0.0005
Aldicarb sulfone	0.0008
Atrazine	0.0001
Benzo(a)pyrene	0.00002
Carbofuran	0.0009
Chlordane	0.0002
2,4-D	0.0001
Dalapon	0.001
1,2-Dibromo-3-chloropropane (DBCP)	0.00002

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Di(2-ethylhexyl)adipate	0.0006
Di(2-ethylhexyl)phthalate	0.0006
Dinoseb	0.0002
Diquat	0.0004
Endothall	0.009
Endrin	0.00001
Ethylene dibromide (EDB)	0.00001
Glyphosate	0.006
Heptachlor	0.00004
Heptachlor epoxide	0.00002
Hexachlorobenzene	0.0001
Hexachlorocyclopentadiene	0.0001
Lindane	0.00002
Methoxychlor	0.0001
Oxamyl	0.002
Picloram	0.0001
Polychlorinated biphenyls (PCBs) (as decachlorobiphenyl)	0.0001
Pentachlorophenol	0.00004
Simazine	0.00007
Toxaphene	0.001
2,3,7,8-TCDD (dioxin)	0.000000005
2,4,5-TP (silvex)	0.0002

BOARD NOTE: See the Board note appended to Section 611.311(c) for information relating to implementation of requirements relating to aldicarb, aldicarb sulfone, and aldicarb sulfoxide.

- s) Laboratory certification.
- 1) Analyses under this Section must only be conducted by laboratories that have received approval by USEPA or the Agency according to the conditions of subsection (s)(2) of this Section.
 - 2) To receive certification to conduct analyses for the Phase II, Phase IIB, and Phase V SOCs, the laboratory must do the following:
 - A) Analyze PE samples provided by the Agency pursuant to 35 Ill. Adm. Code 183.125(c) that include these substances; and

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- B) Achieve quantitative results on the analyses performed under subsection (s)(2)(A) of this Section that are within the following acceptance limits:

SOC	Acceptance Limits
Alachlor	± 45%
Aldicarb	2 standard deviations
Aldicarb sulfone	2 standard deviations
Aldicarb sulfoxide	2 standard deviations
Atrazine	± 45%
Benzo(a)pyrene	2 standard deviations
Carbofuran	± 45%
Chlordane	± 45%
Dalapon	2 standard deviations
Di(2-ethylhexyl)adipate	2 standard deviations
Di(2-ethylhexyl)phthalate	2 standard deviations
Dinoseb	2 standard deviations
Diquat	2 standard deviations
Endothall	2 standard deviations
Endrin	± 30%
Glyphosate	2 standard deviations
Dibromochloropropane (DBCP)	± 40%
Ethylene dibromide (EDB)	± 40%
Heptachlor	± 45%
Heptachlor epoxide	± 45%
Hexachlorobenzene	2 standard deviations
Hexachlorocyclopentadiene	2 standard deviations
Lindane	± 45%
Methoxychlor	± 45%
Oxamyl	2 standard deviations
PCBs (as decachlorobiphenyl)	0-200%
Pentachlorophenol	± 50%
Picloram	2 standard deviations
Simazine	2 standard deviations
Toxaphene	± 45%
2,4-D	± 50%
2,3,7,8-TCDD (dioxin)	2 standard deviations

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

2,4,5-TP (silvex) $\pm 50\%$

BOARD NOTE: See the Board note appended to Section 611.311(c) for information relating to implementation of requirements relating to aldicarb, aldicarb sulfone, and aldicarb sulfoxide.

- t) A new system supplier or a supplier that uses a new source of water ~~that begins operation after January 22, 2004~~ must demonstrate compliance with the MCL within a period of time specified by a permit issued by the Agency. The supplier must also comply with the initial sampling frequencies specified by the Agency to ensure the supplier can demonstrate compliance with the MCL. Routine and increased monitoring frequencies must be conducted in accordance with the requirements in this Section.

BOARD NOTE: Derived from 40 CFR 141.24(h) ~~(2003)~~.

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

SUBPART Q: RADIOLOGICAL MONITORING AND ANALYTICAL REQUIREMENTS

Section 611.720 Analytical Methods

- a) The methods specified below, or alternative methods approved by the Agency pursuant to Section 611.480, incorporated by reference in Section 611.102, are to be used to determine compliance with Section 611.330, except in cases where alternative methods have been approved in accordance with Section 611.480.
- 1) Gross Alpha and Beta.
 - A) Standard Methods.
 - i) Method 302, 13th ed.; or
 - ii) Method 7110 B, 17th, 18th, 19th, 20th, or 21st ed.;
 - B) USEPA Interim Radiochemical Methods: pages 1-3;
 - C) USEPA Radioactivity Methods, Method 900.0;

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- D) USEPA Radiochemical Analyses: pages 1-5;
- E) USEPA Radiochemistry Procedures, Method 00-01; or
- F) USGS Methods, Method R-1120-76.

BOARD NOTE: USEPA added Standard Methods, 21st ed., Method 7110 B as an approved alternative method for gross alpha and beta in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616).

2) Gross Alpha.

- A) Standard Methods, 18th, 19th, 20th, or 21st ed., Method 7110 C; or
- B) USEPA Radiochemistry Procedures, Method 00-02.

BOARD NOTE: USEPA added Standard Methods, 21st ed., Method 7110 C as an approved alternative method for gross alpha in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616).

3) Radium-226.

- A) ASTM Methods.
 - i) Method D2460-97 or D2460-07; or
 - ii) Method D3454-97 or D3454-05;
- B) New York Radium Method;
- C) Standard Methods.
 - i) Method 304, 13th ed.;
 - ii) Method 305, 13th ed.;
 - iii) Method 7500-Ra B, 17th, 18th, 19th, 20th, or 21st ed.; or

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- iv) Method 7500-Ra C, 17th, 18th, 19th, 20th, or 21st ed.;
- D) EML Procedures Manual (27th or 28th ed.), Method Ra-04;
- E) USEPA Interim Radiochemical Methods: pages 13-15 or 16-23;
- F) USEPA Radioactivity Methods, Methods 903.0, 903.1;
- G) USEPA Radiochemical Analyses, pages 19-32;
- H) USEPA Radiochemistry Procedures, Method Ra-03 or Ra-04; or
- I) USGS Methods.
 - i) Method R-1140-76; or
 - ii) Method R-1141-76.
- J) Georgia Radium Method.

BOARD NOTE: USEPA added Standard Methods, 21st ed., Methods 7500-Ra B and C as approved alternative methods for radium-226 in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616). USEPA added ASTM Methods D2460-07 and D3454-05 as approved alternative methods for radium-226 in appendix A to subpart C of 40 CFR 141 on June 8, 2010 (at 75 Fed. Reg. 32295).

- 4) Radium-228.
 - A) Standard Methods, 17th, 18th, 19th, 20th, or 21st ed., Method 7500-Ra D;
 - B) New York Radium Method;
 - C) USEPA Interim Radiochemical Methods, pages 24-28;
 - D) USEPA Radioactivity Methods, Method 904.0;
 - E) USEPA Radiochemical Analyses, pages 19-32;

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- F) USEPA Radiochemistry Procedures, Method Ra-05;
- G) USGS Methods, Method R-1142-76;
- H) New Jersey Radium Method; or
- I) Georgia Radium Method.

BOARD NOTE: USEPA added Standard Methods, 21st ed., Method 7500-Ra D as an approved alternative method for radium-228 in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616).

- 5) Uranium.
 - A) Standard Methods, 17th, 18th, 19th, 20th, or 21st ed., Method 7500-U C;
 - B) Standard Methods, 20th or 21st ed., Method 3125;
 - C) ASTM Methods.
 - i) Method D2907-97;
 - ii) Method D3972-97 or D3972-02;
 - iii) Method D5174-97, D5174-02, D5174-07, or D3972-09; ~~or~~
 - iv) Method D5673-03, ~~or~~ Method D5673-05, or Method D5673-105673-05; or
 - v) Method D6239-09;
 - D) USEPA Radioactivity Methods, Methods 908.0, 908.1;
 - E) USEPA Environmental Metals Methods, Method 200.8 (rev. 5.3);
 - F) USEPA Radiochemical Analyses, pages 33-48;

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- G) USEPA Radiochemistry Procedures, Method 00-07;
- H) EML Procedures Manual (27th or 28th ed.), Method U-02 or U-04;
or
- I) USGS Methods.
 - i) Method R-1180-76;
 - ii) Method R-1181-76; or
 - iii) Method R-1182-76.

BOARD NOTE: If uranium (U) is determined by mass, a conversion factor of 0.67 pCi/μg of uranium must be used. This conversion factor is based on the 1:1 activity ratio of ²³⁴U and ²³⁸U that is characteristic of naturally occurring uranium.

BOARD NOTE: USEPA added Standard Methods, 21st ed., Method 7500-U C and ASTM [Method D5673-05](#) as approved alternative methods for uranium in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616). USEPA added ASTM Method D5174-07 as an approved alternative method for uranium in appendix A to subpart C of 40 CFR 141 on June 8, 2010 (at 75 Fed. Reg. 32295). USEPA added ASTM Method D3972-09 as an approved alternative method for uranium in appendix A to subpart C of 40 CFR 141 on June 24, 2011 (at 76 Fed. Reg. 37014). [USEPA added Standard Methods, 21st ed., Method 3125 and ASTM Methods D5673-10 and D6329-09 as approved alternative methods for uranium in appendix A to subpart C of 40 CFR 141 on June 3, 2012 \(at 77 Fed. Reg. 38523\).](#)

- 6) Radioactive Cesium.
 - A) ASTM Methods.
 - i) Method D2459-72; or
 - ii) Method D3649-91, D3649-98a, or D3649-06;

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- B) Standard Methods.
 - i) Method 7120, 19th, 20th, or 21st ed.; or
 - ii) Method 7500-Cs B, 17th, 18th, 19th, 20th, or 21st ed.;
- C) EML Procedures Manual (27th or 28th ed.), Method 4.5.2.3;
- D) USEPA Interim Radiochemical Methods, pages 4-5;
- E) USEPA Radioactivity Methods, Methods 901.0, 901.1;
- F) USEPA Radiochemical Analyses, pages 92-95; or
- G) USGS Methods.
 - i) Method R-1110-76; or
 - ii) Method R-1111-76.

BOARD NOTE: USEPA added Standard Methods, 21st ed., Methods 7120 and 7500-Cs B as approved alternative methods for radioactive cesium in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616). USEPA added ASTM Method D3649-06 as an approved alternative method for radioactive cesium in appendix A to subpart C of 40 CFR 141 on June 8, 2010 (at 75 Fed. Reg. 32295).

- 7) Radioactive Iodine.
 - A) ASTM Methods.
 - i) D3649-91, D3649-98a, or D3649-06; or
 - ii) D4785-93, D4785-98, or D4785-08;
 - B) Standard Methods.
 - i) Method 7120, 19th, 20th, or 21st ed.;

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- ii) Method 7500-I B, 17th, 18th, 19th, 20th, or 21st ed.;
 - iii) Method 7500-I C, 17th, 18th, 19th, 20th, or 21st ed.; or
 - iv) Method 7500-I D, 17th, 18th, 19th, 20th, or 21st ed.;
- C) EML Procedures Manual (27th or 28th ed.), Method 4.5.2.3;
 - D) USEPA Interim Radiochemical Methods, pages 6-8 or 9-12;
 - E) USEPA Radiochemical Analyses, pages 92-95; or
 - F) USEPA Radioactivity Methods, Methods 901.1 or 902.0.

BOARD NOTE: USEPA added Standard Methods, 21st ed., Methods 7120 and 7500-I B, C, and D as approved alternative methods for radioactive iodine in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616). USEPA added ASTM Methods D3649-06 and D4785-08 as approved alternative methods for radioactive iodine in appendix A to subpart C of 40 CFR 141 on June 8, 2010 (at 75 Fed. Reg. 32295).

- 8) Radioactive Strontium-89 & 90.
 - A) Standard Methods.
 - i) Method 303, 13th ed.; or
 - ii) Method 7500-Sr B, 17th, 18th, 19th, 20th, or 21st ed.;
 - B) EML Procedures Manual (27th or 28th ed.), Method Sr-01 or Sr-02.
 - C) USEPA Interim Radiochemical Methods, pages 29-33;
 - D) USEPA Radioactivity Methods, Method 905.0;
 - E) USEPA Radiochemical Analyses, pages 65-73;
 - F) USEPA Radiochemistry Procedures, Method Sr-04; or

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- G) USGS Methods, Method R-1160-76.

BOARD NOTE: USEPA added Standard Methods, 21st ed., Method 7500-Sr B as an approved alternative method for radioactive strontium in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616).

- 9) Tritium.
- A) ASTM Methods: Method D4107-91, D4107-98, or D4107-08;
- B) Standard Methods.
- i) Method 306, 13th ed.; or
- ii) Method 7500-³H B, 17th, 18th, 19th, 20th, or 21st ed.;
- C) USEPA Interim Radiochemical Methods, pages 34-37;
- D) USEPA Radioactivity Methods, Method 906.0;
- E) USEPA Radiochemical Analyses, pages 87-91;
- F) USEPA Radiochemistry Procedures, Method H-02; or
- G) USGS Methods, Method R-1171-76.

BOARD NOTE: USEPA added Standard Methods, 21st ed., Method 7500-³H B as an approved alternative method for tritium in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616). USEPA added ASTM Method D4107-08 as an approved alternative method for tritium in appendix A to subpart C of 40 CFR 141 on June 8, 2010 (at 75 Fed. Reg. 32295).

- 10) Gamma Emitters.
- A) ASTM Methods.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- i) Method D3649-91, D3649-98a, or D3649-06; or
 - ii) Method D4785-93, D4785-00a, or D4785-08;
- B) Standard Methods.
- i) Method 7120, 19th, 20th, or 21st ed.;
 - ii) Method 7500-Cs B, 17th, 18th, 19th, 20th, or 21st ed.; or
 - iii) Method 7500-I B, 17th, 18th, 19th, 20th, or 21st ed.;
- C) EML Procedures Manual (27th or 28th ed.), Method Ga-01-R;
- D) USEPA Radioactivity Methods, Methods 901.0, 901.1, or 902.0;
- E) USEPA Radiochemical Analyses, pages 92-95; or
- F) USGS Methods, Method R-1110-76.

BOARD NOTE: USEPA added Standard Methods, 21st ed., Methods 7120, 7500-Cs B, and 7500-I B as approved alternative methods for gamma emitters in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616). USEPA added ASTM Methods D3649-08 and D4785-08 as approved alternative methods for tritium in appendix A to subpart C of 40 CFR 141 on June 8, 2010 (at 75 Fed. Reg. 32295).

- b) When the identification and measurement of radionuclides other than those listed in subsection (a) of this Section are required, the following methods, incorporated by reference in Section 611.102, are to be used, except in cases where alternative methods have been approved in accordance with Section 611.480:
- 1) "Procedures for Radiochemical Analysis of Nuclear Reactor Aqueous Solutions," available from NTIS.
 - 2) EML Procedures Manual (27th or 28th ed.), available from USDOE, EML.
- c) For the purpose of monitoring radioactivity concentrations in drinking water, the required sensitivity of the radioanalysis is defined in terms of a detection limit.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

The detection limit must be that concentration which can be counted with a precision of plus or minus 100 percent at the 95 percent confidence level (1.96σ , where σ is the standard deviation of the net counting rate of the sample).

- 1) To determine compliance with Section 611.330(b), (c), and (e), the detection limit must not exceed the concentrations set forth in the following table:

Contaminant	Detection Limit
Gross alpha particle activity	3 pCi/ℓ
Radium-226	1 pCi/ℓ
Radium-228	1 pCi/ℓ
Uranium	1 μg/ℓ

BOARD NOTE: Derived from 40 CFR 141.25(c) Table B ~~(2012)~~(2011).

- 2) To determine compliance with Section 611.330(d), the detection limits must not exceed the concentrations listed in the following table:

Radionuclide	Detection Limit
Tritium	1,000 pCi/ℓ
Strontium-89	10 pCi/ℓ
Strontium-90	2 pCi/ℓ
Iodine-131	1 pCi/ℓ
Cesium-134	10 pCi/ℓ
Gross beta	4 pCi/ℓ
Other radionuclides	1/10 of applicable limit

BOARD NOTE: Derived from 40 CFR 141.25(c) Table C ~~(2012)~~(2011).

- d) To judge compliance with the MCLs listed in Section 611.330, averages of data must be used and must be rounded to the same number of significant figures as the MCL for the substance in question.

BOARD NOTE: Derived from 40 CFR 141.25 and appendix A to subpart C of 40 CFR 141 ~~(2012)~~(2011).

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Section 611.731 Gross Alpha

Monitoring requirements for gross alpha particle activity, radium-226, radium-228, and uranium are as follows:

- a) ~~Effective December 8, 2003, a~~ community water system (CWS) supplier must conduct initial monitoring to determine compliance with Section 611.330(b), (c), and (e) ~~by December 31, 2007~~. For the purposes of monitoring for gross alpha particle activity, radium-226, radium-228, uranium, and beta particle and photon radioactivity in drinking water, "detection limit" is defined as in Section 611.720(c).
 - 1) Applicability and sampling location for an existing CWS supplier. An existing CWS supplier using groundwater, surface water, or both groundwater and surface water (for the purpose of this Section hereafter referred to as a supplier) must sample at every entry point to the distribution system that is representative of all sources being used (hereafter called a sampling point) under normal operating conditions. The supplier must take each sample at the same sampling point, unless conditions make another sampling point more representative of each source or the Agency has designated a distribution system location, in accordance with subsection (b)(2)(C) of this Section.
 - 2) Applicability and sampling location for a new CWS supplier. A new CWS supplier or a CWS supplier that uses a new source of water must begin to conduct initial monitoring for the new source within the first quarter after initiating use of the source. A CWS supplier must conduct more frequent monitoring when ordered by the Agency in the event of possible contamination or when changes in the distribution system or treatment processes occur that may increase the concentration of radioactivity in finished water.
- b) Initial monitoring: ~~Effective December 8, 2003, a~~ CWS supplier must conduct initial monitoring for gross alpha particle activity, radium-226, radium-228, and uranium as follows:
 - 1) A CWS supplier without acceptable historical data, as defined in subsection (b)(2) of this Section, ~~is required to have collected~~ ~~must collect~~

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

four consecutive quarterly samples at all sampling points before December 31, 2007.

- 2) Grandfathering of data: A CWS supplier may use historical monitoring data collected at a sampling point to satisfy the initial monitoring requirements for that sampling point, under the following situations.
 - A) To satisfy initial monitoring requirements, a CWS supplier having only one entry point to the distribution system may use the monitoring data from the last compliance monitoring period that began between June 2000 and December 8, 2003.
 - B) To satisfy initial monitoring requirements, a CWS supplier with multiple entry points and having appropriate historical monitoring data for each entry point to the distribution system may use the monitoring data from the last compliance monitoring period that began between June 2000 and December 8, 2003.
 - C) To satisfy initial monitoring requirements, a CWS supplier with appropriate historical data for a representative point in the distribution system may use the monitoring data from the last compliance monitoring period that began between June 2000 and December 8, 2003, provided that the Agency finds that the historical data satisfactorily demonstrate that each entry point to the distribution system is expected to be in compliance based upon the historical data and reasonable assumptions about the variability of contaminant levels between entry points. The Agency must make its finding in writing, by a SEP issued pursuant to Section 611.110, indicating how the data conforms to the requirements of this subsection (b)(2).
- 3) For gross alpha particle activity, uranium, radium-226, and radium-228 monitoring, the Agency may, by a SEP issued pursuant to Section 611.110, waive the final two quarters of initial monitoring for a sampling point if the results of the samples from the previous two quarters are below the detection limit.
- 4) If the average of the initial monitoring results for a sampling point is above the MCL, the supplier must collect and analyze quarterly samples at

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

that sampling point until the system has results from four consecutive quarters that are at or below the MCL, unless the supplier enters into another schedule as part of a formal compliance agreement with the Agency.

- c) Reduced monitoring: ~~The Effective December 8, 2003, the~~ Agency may allow a CWS supplier to reduce the future frequency of monitoring from once every three years to once every six or nine years at each sampling point, based on the following criteria:
- 1) If the average of the initial monitoring results for each contaminant (i.e., gross alpha particle activity, uranium, radium-226, or radium-228) is below the detection limit specified in the table at Section 611.720(c)(1), the supplier must collect and analyze for that contaminant using at least one sample at that sampling point every nine years.
 - 2) For gross alpha particle activity and uranium, if the average of the initial monitoring results for each contaminant is at or above the detection limit but at or below one-half the MCL, the supplier must collect and analyze for that contaminant using at least one sample at that sampling point every six years. For combined radium-226 and radium-228, the analytical results must be combined. If the average of the combined initial monitoring results for radium-226 and radium-228 is at or above the detection limit but at or below one-half the MCL, the supplier must collect and analyze for that contaminant using at least one sample at that sampling point every six years.
 - 3) For gross alpha particle activity and uranium, if the average of the initial monitoring results for each contaminant is above one-half the MCL but at or below the MCL, the supplier must collect and analyze at least one sample at that sampling point every three years. For combined radium-226 and radium-228, the analytical results must be combined. If the average of the combined initial monitoring results for radium-226 and radium-228 is above one-half the MCL but at or below the MCL, the supplier must collect and analyze at least one sample at that sampling point every three years.
 - 4) A supplier must use the samples collected during the reduced monitoring period to determine the monitoring frequency for subsequent monitoring

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

periods (e.g., if a supplier's sampling point is on a nine year monitoring period, and the sample result is above one-half the MCL, then the next monitoring period for that sampling point is three years).

5) If a supplier has a monitoring result that exceeds the MCL while on reduced monitoring, the supplier must collect and analyze quarterly samples at that sampling point until the supplier has results from four consecutive quarters that are below the MCL, unless the supplier enters into another schedule as part of a formal compliance agreement with the Agency.

d) Compositing: ~~To Effective December 8, 2003, to~~ fulfill quarterly monitoring requirements for gross alpha particle activity, radium-226, radium-228, or uranium, a supplier may composite up to four consecutive quarterly samples from a single entry point if analysis is done within a year after the first sample. The analytical results from the composited sample must be treated as the average analytical result to determine compliance with the MCLs and the future monitoring frequency. If the analytical result from the composited sample is greater than one-half the MCL, the Agency may, by a SEP issued pursuant to Section 611.110, direct the supplier to take additional quarterly samples before allowing the supplier to sample under a reduced monitoring schedule.

e) ~~A Effective December 8, 2003, a~~ gross alpha particle activity measurement may be substituted for the required radium-226 measurement, provided that the measured gross alpha particle activity does not exceed 5 pCi/l. A gross alpha particle activity measurement may be substituted for the required uranium measurement provided that the measured gross alpha particle activity does not exceed 15 pCi/l.

- 1) The gross alpha measurement must have a confidence interval of 95% (1.65σ , where σ is the standard deviation of the net counting rate of the sample) for radium-226 and uranium.
- 2) When a supplier uses a gross alpha particle activity measurement in lieu of a radium-226 or uranium measurement, the gross alpha particle activity analytical result will be used to determine the future monitoring frequency for radium-226 or uranium.
- 3) If the gross alpha particle activity result is less than detection, one-half the detection limit will be used to determine compliance and the future

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

monitoring frequency.

- f) ~~Until December 8, 2003, compliance must be based on the analysis of an annual composite of four consecutive quarterly samples or the average of the analyses of four samples obtained at quarterly intervals.~~
- 1) ~~A gross alpha particle activity measurement may be substituted for the required radium-226 and radium-228 analysis, provided that the measured gross alpha particle activity does not exceed 5 pCi/l at a confidence level of 95 percent (1.65σ , where σ is the standard deviation of the net counting rate of the sample). In localities where radium-228 may be present in drinking water, the Agency may, by a SEP issued pursuant to Section 611.110, require radium-226 or radium-228 analyses when the gross alpha particle activity exceeds 2 pCi/l.~~
 - 2) ~~When the gross alpha particle activity exceeds 5 pCi/l, the same or an equivalent sample must be analyzed for radium-226. If the concentration of radium-226 exceeds 3 pCi/l the same or an equivalent sample must be analyzed for radium-228.~~
- g) ~~Until December 8, 2003, CWS suppliers must monitor at least once every four years following the procedure required by subsection (f) of this Section. When an annual record taken in conformance with subsection (f) of this Section has established that the average annual concentration is less than half the MCLs established by Section 611.330, the Agency shall, by a SEP issued pursuant to Section 611.110, substitute analysis of a single sample for the quarterly sampling procedure required by subsection (f) of this Section.~~
- 1) ~~The Agency shall, by a SEP issued pursuant to Section 611.110, require more frequent monitoring in the vicinity of mining or other operations that may contribute alpha particle radioactivity to either surface or groundwater sources of drinking water.~~
 - 2) ~~A CWS supplier must monitor in conformance with subsection (f) of this Section for one year after the introduction of a new water source. The Agency shall, by a SEP issued pursuant to Section 611.110, require more frequent monitoring in the event of possible contamination or when changes in the distribution system or treatment process occur that may increase the concentration of radioactivity in finished water.~~

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- 3) ~~The Agency shall, by a SEP issued pursuant to Section 611.110, require a CWS supplier using two or more sources having different concentrations of radioactivity to monitor source water, in addition to water from a free-flowing tap.~~
- 4) ~~The Agency must not require monitoring for radium-228 to determine compliance with Section 611.330 after the initial period, provided that the average annual concentration of radium-228 has been assayed at least once using the quarterly sampling procedure required by subsection (f) of this Section.~~
- 5) ~~The Agency must require the CWS supplier to conduct annual monitoring if the radium-226 concentration exceeds 3 pCi/l.~~
- h) ~~Until December 8, 2003, if the average annual MCL for gross alpha particle activity or total radium as set forth in Section 611.330 is exceeded, the CWS supplier must give notice to the Agency and notify the public as required by Subpart V. Monitoring at quarterly intervals must be continued until the annual average concentration no longer exceeds the MCL or until a monitoring schedule as a condition to a variance, adjusted standard or enforcement action becomes effective.~~

BOARD NOTE: Subsections (a) through (e) derive from 40 CFR 141.26(a) ~~(2012)~~(2003).

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

Section 611.732 Beta Particle and Photon Radioactivity

Monitoring and compliance requirements for manmade radioactivity. To determine compliance with the maximum contaminant levels in Section 611.330(d) for beta particle and photon radioactivity, a supplier must monitor at a frequency as follows:

- a) ~~Effective December 8, 2003, a~~ CWS supplier (either a surface water or groundwater supplier) designated by the Agency, by a SEP issued pursuant to Section 611.110, as vulnerable must sample for beta particle and photon radioactivity. A supplier must collect quarterly samples for beta emitters and annual samples for tritium and strontium-90 at each entry point to the distribution system (hereafter called a sampling point), beginning within one quarter after

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

being notified by the Agency. A supplier already designated by the Agency must continue to sample until the Agency reviews and either reaffirms or removes the designation, by a SEP issued pursuant to Section 611.110.

- 1) If the gross beta particle activity minus the naturally occurring potassium-40 beta particle activity at a sampling point has a running annual average (computed quarterly) less than or equal to 50 pCi/l (screening level), the Agency may reduce the frequency of monitoring at that sampling point to once every three years. A supplier must collect all samples required in subsection (a) of this Section during the reduced monitoring period.
- 2) For a supplier in the vicinity of a nuclear facility, the Agency may allow the CWS supplier to utilize environmental surveillance data collected by the nuclear facility in lieu of monitoring at the supplier's entry points, where the Agency determines if such data is applicable to a particular water system, by a SEP issued pursuant to Section 611.110. In the event that there is a release from a nuclear facility, a supplier that is using surveillance data must begin monitoring at the community water supplier's entry points in accordance with subsection (b)(1) of this Section.

b) ~~Effective December 8, 2003, a~~ CWS supplier (either a surface water or groundwater supplier) designated by the Agency, by a SEP issued pursuant to Section 611.110, as utilizing waters contaminated by effluents from nuclear facilities must sample for beta particle and photon radioactivity. A supplier must collect quarterly samples for beta emitters and iodine-131 and annual samples for tritium and strontium-90 at each entry point to the distribution system (hereafter called a sampling point), beginning within one quarter after being notified by the Agency. A supplier already designated by the Agency as a supplier using waters contaminated by effluents from nuclear facilities must continue to sample until the Agency reviews and either reaffirms or removes the designation, by a SEP issued pursuant to Section 611.110.

- 1) Quarterly monitoring for gross beta particle activity must be based on the analysis of monthly samples or the analysis of a composite of three monthly samples.

BOARD NOTE: In corresponding 40 CFR 141.26(b)(2)(i), USEPA recommends the use of a composite of three monthly samples.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- 2) For iodine-131, a composite of five consecutive daily samples must be analyzed once each quarter. The Agency may, by a SEP issued pursuant to Section 611.110, order more frequent monitoring for iodine-131 where it is identified in the finished water.
- 3) Annual monitoring for strontium-90 and tritium must be conducted by means of the analysis of a composite of four consecutive quarterly samples or analysis of four quarterly samples.

BOARD NOTE: In corresponding 40 CFR 141.26(b)(2)(iii), USEPA recommends the analysis of four consecutive quarterly samples.

- 4) If the gross beta particle activity minus the naturally occurring potassium-40 beta particle activity at a sampling point has a running annual average (computed quarterly) less than or equal to 15 pCi/l, the Agency may, by a SEP issued pursuant to Section 611.110, reduce the frequency of monitoring at that sampling point to once every three years. The supplier must collect the same type of samples required in subsection (b) of this Section during the reduced monitoring period.
- 5) For a supplier in the vicinity of a nuclear facility, the Agency may allow the CWS to utilize environmental surveillance data collected by the nuclear facility in lieu of monitoring at the system's entry points, where the Agency determines, by a SEP issued pursuant to Section 611.110, that such data is applicable to the particular water system. In the event that there is a release from a nuclear facility, a supplier that uses such surveillance data must begin monitoring at the CWS's entry points in accordance with subsection (b) of this Section.

| c) ~~Effective December 8, 2003, a~~ CWS supplier designated by the Agency to monitor for beta particle and photon radioactivity can not apply to the Agency for a waiver from the monitoring frequencies specified in subsection (a) or (b) of this Section.

| d) ~~Effective December 8, 2003, a~~ CWS supplier may analyze for naturally occurring potassium-40 beta particle activity from the same or equivalent sample used for the gross beta particle activity analysis. A supplier is allowed to subtract the potassium-40 beta particle activity value from the total gross beta particle activity value to determine if the screening level is exceeded. The potassium-40

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

beta particle activity must be calculated by multiplying elemental potassium concentrations (in mg/l) by a factor of 0.82.

- e) ~~If Effective December 8, 2003, if~~ the gross beta particle activity minus the naturally occurring potassium-40 beta particle activity exceeds the appropriate screening level, an analysis of the sample must be performed to identify the major radioactive constituents present in the sample and the appropriate doses must be calculated and summed to determine compliance with Section 611.330(d)(1), using the formula in Section 611.330(d)(2). Doses must also be calculated and combined for measured levels of tritium and strontium to determine compliance.
- f) ~~A Effective December 8, 2003, a~~ supplier must monitor monthly at the sampling points that exceeds the maximum contaminant level in Section 611.330(d) beginning the month after the exceedence occurs. A supplier must continue monthly monitoring until the supplier has established, by a rolling average of three monthly samples, that the MCL is being met. A supplier that establishes that the MCL is being met must return to quarterly monitoring until it meets the requirements set forth in subsection (a)(1) or (b)(4) of this Section.
- g) ~~Until December 8, 2003, CWSs using surface water sources and serving more than 100,000 persons and such other CWSs as the Agency, by a SEP issued pursuant to Section 611.110, requires must monitor for compliance with Section 611.331 by analysis of a composite of four consecutive quarterly samples or analysis of four quarterly samples. Compliance with Section 611.331 is assumed without further analysis if the average annual concentration of gross beta particle activity is less than 50 pCi/l and if the average annual concentrations of tritium and strontium-90 are less than those listed in Section 611.331, provided that if both radionuclides are present the sum of their annual dose equivalents to bone marrow must not exceed 4 millirem/year.~~
- 1) ~~If the gross beta particle activity exceeds 50 pCi/l, an analysis of the sample must be performed to identify the major radioactive constituents present and the appropriate organ and total body doses must be calculated to determine compliance with Section 611.331.~~
 - 2) ~~If the MCLs are exceeded, the Agency shall, by a SEP issued pursuant to Section 611.110, require the supplier to conduct additional monitoring to determine the concentration of man-made radioactivity in principal watersheds.~~

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- 3) ~~The Agency shall, pursuant to subsection (j) of this Section, by a SEP issued pursuant to Section 611.110, require suppliers of water utilizing only groundwater to monitor for man-made radioactivity.~~
- h) ~~Until December 8, 2003, CWS suppliers must monitor at least every four years following the procedure in subsection (g) of this Section.~~
- i) ~~Until December 8, 2003, the Agency must, by a SEP issued pursuant to Section 611.110, require any CWS supplier utilizing waters contaminated by effluents from nuclear facilities to initiate quarterly monitoring for gross beta particle and iodine-131 radioactivity and annual monitoring for strontium-90 and tritium.~~
- 1) ~~Quarterly monitoring for gross beta particle activity must be based on the analysis of monthly samples or the analysis of a composite of three monthly samples. If the gross beta particle activity in a sample exceeds 15 pCi/l, the same or an equivalent sample must be analyzed for strontium-89 and cesium-134. If the gross beta particle activity exceeds 50 pCi/l, an analysis of the sample must be performed to identify the major radioactive constituents present and the appropriate organ and total body doses must be calculated to determine compliance with Section 611.331.~~
- 2) ~~For iodine-131, a composite of five consecutive daily samples must be analyzed once each quarter. The Agency shall, by a SEP issued pursuant to Section 611.110, require more frequent monitoring when iodine-131 is identified in the finished water.~~
- 3) ~~The Agency shall, by a SEP issued pursuant to Section 611.110, require annual monitoring for strontium-90 and tritium by means of the analysis of a composite of four consecutive quarterly samples or analysis of four quarterly samples.~~
- 4) ~~The Agency shall, by a SEP issued pursuant to Section 611.110, allow the substitution of environmental surveillance data taken in conjunction with a nuclear facility for direct monitoring of manmade radioactivity by the supplier where the Agency determines such data is applicable to the CWS.~~
- j) ~~Until December 8, 2003, if the average annual MCL for man-made radioactivity set forth in Section 611.331 is exceeded, the CWS supplier must give notice to the~~

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

~~Agency and to the public as required by Subpart T. Monitoring at monthly intervals must be continued until the concentration no longer exceeds the MCL or until a monitoring schedule as a condition to a variance, adjusted standard, or enforcement action becomes effective.~~

BOARD NOTE: Subsections (a) through (f) derive from 40 CFR 141.26(b) ~~(2003)~~ (2012).

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

SUBPART U: CONSUMER CONFIDENCE REPORTS

Section 611.884 Required Additional Health Information

- a) All reports must prominently display the following language: "Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. USEPA or Centers for Disease Control and Prevention guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the USEPA Safe Drinking Water Hotline (800-426-4791)."
- b) A supplier that detects arsenic above 0.005 mg/ℓ and up to and including 0.010 mg/ℓ must do the following:
 - 1) The supplier must include in its report a short informational statement about arsenic, using the following language: "While your drinking water meets USEPA's standard for arsenic, it does contain low levels of arsenic. USEPA's standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. USEPA continues to research the health effects of low levels of arsenic, which is a naturally-occurring mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems."; or
 - 2) The supplier may write its own educational statement, but only in consultation with the Agency.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

c) A supplier that detects nitrate at levels above 5 mg/ℓ, but below the MCL, must do the following:

- 1) The supplier must include a short informational statement about the impacts of nitrate on children, using the following language: "Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant you should ask advice from your health care provider"; or
- 2) The CWS supplier may write its own educational statement, but only in consultation with the Agency.

d) Every report must include the following lead-specific information:

- 1) A short informational statement about lead in drinking water and its effects on children. The statement must include the following information:

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. [NAME OF SUPPLIER] is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to two minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

- 2) A supplier may write its own educational statement, but only in consultation with the Agency.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- e) A CWS supplier that detects TTHM above 0.080 mg/ℓ, but below the MCL in Section 611.312, as an annual average, monitored and calculated under the provisions of former Section 611.680, must include the health effects language prescribed by Appendix A of this Part.
- ~~f) Until January 22, 2006, a CWS supplier that detects arsenic above 0.010 mg/ℓ and up to and including 0.05 mg/ℓ must include the arsenic health effects language prescribed by Appendix A to this Part.~~

BOARD NOTE: Derived from 40 CFR 141.154 ~~(2012)(2007), as amended at 72 Fed. Reg. 7782 (October 12, 2007).~~

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

SUBPART W: INITIAL DISTRIBUTION SYSTEM EVALUATIONS

Section 611.920 General Requirements

- a) USEPA has designated that the requirements of this Subpart W constitute National Primary Drinking Water Regulations. The regulations in this Subpart W establish monitoring and other requirements for identifying Subpart Y compliance monitoring locations for determining compliance with maximum contaminant levels for TTHMs and HAA5. The supplier must use an initial distribution system evaluation (IDSE) to determine the locations in its distribution system that are representative of high TTHM and HAA5 concentrations throughout the supplier's distribution system. An IDSE is used in conjunction with, but separate from, Subpart I compliance monitoring, to identify and select Subpart Y compliance monitoring locations.
- b) Applicability. A supplier is subject to the requirements of this Subpart W if it fulfills any of the following conditions:
- 1) The supplier owns or operates a community water system that uses a primary or residual disinfectant other than ultraviolet light;
 - 2) The supplier delivers water that has been treated with a primary or residual disinfectant other than ultraviolet light; or

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- 3) The supplier owns or operates a non-transient non-community water system that serves at least 10,000 people, and it either uses a primary or residual disinfectant other than ultraviolet light, or it delivers water that has been treated with a primary or residual disinfectant other than ultraviolet light.
- c) Schedule. A supplier must comply with the requirements of this Subpart W on the schedule provided in subsection (c)(1) of this Section based on its system type, as set forth in the applicable of subsections (c)(1)(A) through (c)(1)(E) of this Section, subject to the conditions of subsections (c)(1)(F) through (c)(1)(H) of this Section:
- 1) Compliance dates.
 - A) A supplier that is not part of a combined distribution system, or a supplier that serves the largest population in a combined distribution system, and which serves a population of 100,000 or more persons is required to have~~must~~ either ~~have~~ submitted its standard monitoring plan, its system-specific study plan, or its 40/30 certification or ~~must have~~ obtained or ~~have~~ been subject to a very small system waiver before October 1, 2006. The supplier ~~is~~~~must~~ further required to have completed~~complete~~ its standard monitoring or system-specific study before September 30, 2008 and submitted~~submit~~ its IDSE report to the Agency before January 1, 2009.
 - B) A supplier that is not part of a combined distribution system, or a supplier that serves the largest population in a combined distribution system, and which serves a population of 50,000 to 99,999 persons is required to have~~must~~ either ~~have~~ submitted its standard monitoring plan, its system-specific study plan, or its 40/30 certification or ~~must have~~ obtained or ~~have~~ been subject to a very small system waiver before April 1, 2007. The supplier ~~is~~~~must~~ further required to have completed~~complete~~ its standard monitoring or system-specific study before March 31, 2009 and submitted~~submit~~ its IDSE report to the Agency before July 1, 2009.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- C) A supplier that is not part of a combined distribution system, or a supplier that serves the largest population in a combined distribution system, and which serves a population of 10,000 to 49,999 persons ~~is required to have either submitted~~~~must submit~~ its standard monitoring plan, its system-specific study plan, or its 40/30 certification or ~~obtained~~~~must obtain~~ or ~~been~~~~be~~ subject to a very small system waiver before October 1, 2007. The supplier ~~is~~~~must~~ further ~~required to have completed~~~~complete~~ its standard monitoring or system-specific study before September 30, 2009 and ~~submitted~~~~submit~~ its IDSE report to the Agency before January 1, 2010.
- D) A supplier that is not part of a combined distribution system, or a supplier that serves the largest population in a combined distribution system, and which serves a population of fewer than 10,000 persons (and which is a CWS) ~~is required to have either submitted~~~~must submit~~ its standard monitoring plan, its system-specific study plan, or its 40/30 certification or ~~obtained~~~~must obtain~~ or ~~been~~~~be~~ subject to a very small system waiver before April 1, 2008. The supplier ~~is~~~~must~~ further ~~required to have completed~~~~complete~~ its standard monitoring or system-specific study before March 31, 2010 and ~~submitted~~~~submit~~ its IDSE report to the Agency before July 1, 2010.
- E) A supplier that is part of a combined distribution system which does not serve the largest population in the combined system, which is a wholesale system supplier or a consecutive system supplier, ~~is required to have either submitted~~~~must submit~~ its standard monitoring plan, its system-specific study plan, or its 40/30 certification or ~~obtained~~~~must obtain~~ or ~~been~~~~be~~ subject to a very small system waiver; ~~is~~~~must~~ further ~~required to have completed~~~~complete~~ its standard monitoring or system-specific study; and ~~submitted~~~~submit~~ its IDSE report to the Agency at the same time as the supplier in the combined system that has the earliest compliance date.
- F) If, within 12 months after the date when submission of the standard monitoring plan, the system-specific study plan, or the 40/30 certification or becoming subject to a very small system waiver

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- ~~was~~is due, as identified in the applicable of subsections (a)(1) through (a)(4) of this Section, the Agency ~~did~~does not approve a supplier's plan or notify the supplier that it ~~had~~has not yet completed its review, the supplier may consider the plan that it submitted as approved. The supplier is required to have implemented~~must implement~~ that plan, and it is required to have completed~~must complete~~ standard monitoring or a system-specific study no later than the date when completion of the standard monitoring or system-specific study is due, as identified in the applicable of subsections (a)(1) through (a)(4) of this Section.
- G) The supplier is required to have submitted~~must submit~~ its 40/30 certification pursuant to Section 611.923 before the date indicated in the applicable of subsections (a)(1) through (a)(4) of this Section.
- H) If, within three months after the due date for submission of the IDSE report identified in this subsection (c)(1) (nine months after this date if the supplier is required to have complied~~must comply~~ on the schedule in subsection (c)(1)(C) of this Section), the Agency ~~did~~does not approve the supplier's IDSE report or notify the supplier that it ~~had~~has not yet completed its review, the supplier ~~could~~may consider the report that it submitted to the Agency as approved, and the supplier is required to have implemented~~must implement~~ the recommended Subpart Y monitoring as required.
- 2) For the purpose of determining the applicable compliance schedule in subsection (c)(1) of this Section, the Agency may, by a SEP issued pursuant to Section 611.110, determine that a combined distribution system does not include certain consecutive systems based on such factors as the receipt of water from a wholesale system only on an emergency basis or the receipt of only a small percentage and small volume of water from a wholesale system. The Agency may also determine, by a SEP issued pursuant to Section 611.110, that a combined distribution system does not include certain wholesale systems based on such factors as the delivery of water to a consecutive system only on an emergency basis or the delivery of only a small percentage and small volume of water to a consecutive system.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- d) A supplier must do one of the following: it must conduct standard monitoring that meets the requirements in Section 611.921; it must conduct a system-specific study that meets the requirements in Section 611.922; it must certify to the Agency that it meets the 40/30 certification criteria under Section 611.923; or it must qualify for a very small system waiver under Section 611.924.
- 1) The supplier must have taken the full complement of routine TTHM and HAA5 compliance samples required of a system that serves the appropriate population and which uses the appropriate source water under Subpart I of this Part (or the supplier must have taken the full complement of reduced TTHM and HAA5 compliance samples required of a system with the supplier's population and source water under Subpart I of this Part if the supplier meets reduced monitoring criteria under Subpart I of this Part) during the period specified in Section 611.923(a) to meet the 40/30 certification criteria in Section 611.923. The supplier must have taken TTHM and HAA5 samples under Sections 611.381 and 611.382 to be eligible for the very small system waiver in Section 611.924.
 - 2) If the supplier has not taken the required samples, the supplier must conduct standard monitoring that meets the requirements in Section 611.921, or a system-specific study that meets the requirements in Section 611.922.
- e) The supplier must use only the analytical methods specified in Section 611.381, or otherwise approved by the Agency for monitoring under this Subpart W, to demonstrate compliance with the requirements of this Subpart W.
- f) IDSE results will not be used for the purpose of determining compliance with MCLs in Section 611.312.

BOARD NOTE: Derived from 40 CFR 141.600 ~~(2007)~~ (2012).

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

Section 611.923 40/30 Certification

- a) Eligibility. A supplier is eligible for 40/30 certification if it had no TTHM or HAA5 monitoring violations under Subpart I of this Part and no individual sample

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

exceeded 0.040 mg/ℓ for TTHM or 0.030 mg/ℓ for HAA5 during an eight consecutive calendar quarter period beginning no earlier than the date specified in the applicable of subsections (a)(1) through (a)(4) of this Section, subject to the limitations of subsection (a)(5) of this Section.

- 1) If the supplier's 40/30 certification ~~wasis~~ due no later than October 1, 2006, then its eligibility for 40/30 certification ~~wasis~~ based on eight consecutive calendar quarters of Subpart I compliance monitoring results ~~that began~~~~beginning~~ no earlier than January 2004.
 - 2) If the supplier's 40/30 certification ~~wasis~~ due no later than April 1, 2007, then its eligibility for 40/30 certification ~~wasis~~ based on eight consecutive calendar quarters of Subpart I compliance monitoring results ~~that began~~~~beginning~~ no earlier than January 2004.
 - 3) If the supplier's 40/30 certification ~~wasis~~ due no later than October 1, 2007, then its eligibility for 40/30 certification ~~wasis~~ based on eight consecutive calendar quarters of Subpart I compliance monitoring results ~~that began~~~~beginning~~ no earlier than January 2005.
 - 4) If the supplier's 40/30 certification ~~wasis~~ due no later than April 1, 2008, then its eligibility for 40/30 certification ~~wasis~~ based on eight consecutive calendar quarters of Subpart I compliance monitoring results ~~that began~~~~beginning~~ no earlier than January 2005.
 - 5) Eligibility for 40/30 certification is based on eight consecutive calendar quarters of Subpart I compliance monitoring results beginning no earlier than the date set forth in the applicable of subsections (a)(1) through (a)(4) of this Section, unless the supplier is on reduced monitoring under Subpart I of this Part and was not required to monitor during the specified period. If the supplier did not monitor during the specified period, the supplier must base its eligibility on compliance samples taken during the 12 months preceding the specified period.
- b) 40/30 certification.
- 1) A supplier must certify to the Agency that every individual compliance sample taken under Subpart I of this Part during the applicable of the periods specified in subsection (a) of this Section were no more than 0.040

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

mg/ℓ for TTHM and 0.030 mg/ℓ for HAA5, and that the supplier has not had any TTHM or HAA5 monitoring violations during the period specified in subsection (a) of this Section.

- 2) The Agency may require the supplier to submit compliance monitoring results, distribution system schematics, or recommended Subpart Y compliance monitoring locations in addition to the supplier's certification. If the supplier fails to submit the requested information, the Agency may require standard monitoring under Section 611.921 or a system-specific study under Section 611.922.
- 3) The Agency may still require standard monitoring under Section 611.921 or a system-specific study under Section 611.922 even if the supplier meets the criteria in subsection (a) of this Section.
- 4) The supplier must retain a complete copy of its certification submitted under this Section for 10 years after the date that it submitted the supplier's certification. The supplier must make the certification, all data upon which the certification is based, and any Agency notification available for review by the Agency or the public.

BOARD NOTE: Derived from 40 CFR 141.603 ~~(2012)(2006)~~.

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

SUBPART Y: STAGE 2 DISINFECTION BYPRODUCTS REQUIREMENTS

Section 611.970 General Requirements

- a) **General.** The requirements of this Subpart Y constitute NPDWRs. The regulations in this Subpart Y establish monitoring and other requirements for achieving compliance with MCLs based on LRAAs for TTHM and HAA5, and for achieving compliance with MRDLs for chlorine and chloramine for certain consecutive systems.
- b) **Applicability.** A supplier is subject to these requirements if its system is a CWS or a NTNCWS that uses a primary or residual disinfectant other than ultraviolet light or which delivers water that has been treated with a primary or residual disinfectant other than ultraviolet light.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- c) Schedule. A supplier must comply with the requirements in this Subpart Y on the applicable schedule set forth in subsections (c)(1) through (c)(6) of this Section based on the supplier's system type, subject to the limitations of subsection (b)(7) of this Section.
- 1) A supplier that is not part of a combined distribution system, or a supplier whose system serves the largest population in a combined system, and whose system serves 100,000 or more persons ~~is required to have complied~~must comply with the requirements of this Subpart Y before April 1, 2012.
 - 2) A supplier that is not part of a combined distribution system, or a supplier whose system serves the largest population in a combined system, and whose system serves 50,000 to 99,999 persons ~~is required to have complied~~must comply with the requirements of this Subpart Y before October 1, 2012.
 - 3) A supplier that is not part of a combined distribution system, or a supplier whose system serves the largest population in a combined system, and whose system serves 10,000 to 49,999 persons must comply with the requirements of this Subpart Y before October 1, 2013.
 - 4) A supplier that is not part of a combined distribution system, or a supplier whose system serves the largest population in a combined system, and whose system serves fewer than 10,000 persons must comply with the requirements of this Subpart Y before October 1, 2013 if no Cryptosporidium monitoring is required pursuant to Section 611.1001(a)(4).
 - 5) A supplier that is not part of a combined distribution system, or a supplier whose system serves the largest population in a combined system, and whose system serves fewer than 10,000 persons must comply with the requirements of this Subpart Y before October 1, 2014 if Cryptosporidium monitoring is required pursuant to Section 611.1001(a)(4) or (a)(6).
 - 6) A supplier whose consecutive system or wholesale system is part of a combined system, other than a supplier that is subject to any of subsections (c)(1) through (c)(4) of this Section, must comply with the

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

requirements of this Subpart Y before the earliest compliance date applicable to any segment of the combined distribution system.

- 7) The Agency must, by a SEP issued pursuant to Section 611.110, grant up to an additional 24 months for compliance with MCLs and operational evaluation levels if it finds that the additional time is needed because the supplier requires capital improvements to comply with an MCL.
- 8) The supplier's monitoring frequency is specified in Section 611.971(a)(2).
 - A) If a supplier is required to conduct quarterly monitoring, it must begin monitoring in the first full calendar quarter that includes the applicable compliance date set forth in this subsection (c).
 - B) If a supplier is required to conduct monitoring less frequently than quarterly, it must begin monitoring in the calendar month recommended in the IDSE report prepared pursuant to Section 611.921 or Section 611.922 or in the calendar month identified in the Subpart Y monitoring plan developed pursuant to Section 611.972, but in no instance later than 12 months after the applicable compliance date set forth in this subsection (c).
- 9) If a supplier is required to conduct quarterly monitoring, it must make compliance calculations at the end of the fourth calendar quarter that follows the compliance date and at the end of each subsequent quarter (or earlier if the LRAA calculated based on fewer than four quarters of data would cause the MCL to be exceeded regardless of the monitoring results of subsequent quarters). If a supplier is required to conduct monitoring less frequently than quarterly, it must make compliance calculations beginning with the first compliance sample taken after the compliance date.
- 10) For the purpose of the schedule set forth in this subsection (c), the Agency may, by a SEP issued pursuant to Section 611.110, determine that the combined distribution system does not include certain consecutive systems based on factors such as receipt of water from a wholesale system only on an emergency basis or receipt of only a small percentage and small volume of water from a wholesale system. The Agency may also determine that the combined distribution system does not include certain

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

wholesale systems based on factors such as delivery of water to a consecutive system only on an emergency basis or delivery of only a small percentage and small volume of water to a consecutive system.

BOARD NOTE: The Board found it necessary to deviate from the structure of 40 CFR 141.620(c) when incorporating this subsection (c). Subsections (c)(1) through (c)(4) of this Section correspond with 40 CFR 141.620(c)(1) through (c)(4). Subsections (c)(5) and (c)(6) of this Section correspond with the two segments of 40 CFR 141.620(c)(5). Subsection (c)(7) of this Section corresponds with the footnote to the table in 40 CFR 141.620(c). Subsections (c)(8) through (c)(10) of this Section correspond with 40 CFR 141.620(c)(6) through (c)(8).

- d) Monitoring and compliance.
- 1) Suppliers required to monitor quarterly. To comply with Subpart Y MCLs in Section 611.312(b)(2), the supplier must calculate LRAAs for TTHM and HAA5 using monitoring results collected under this Subpart Y, and it must determine that each LRAA does not exceed the MCL. If the supplier fails to complete four consecutive quarters of monitoring, it must calculate compliance with the MCL based on the average of the available data from the most recent four quarters. If the supplier takes more than one sample per quarter at a monitoring location, it must average all samples taken in the quarter at that location to determine a quarterly average to be used in the LRAA calculation.
 - 2) Suppliers required to monitor yearly or less frequently. To determine compliance with Subpart Y MCLs in Section 611.312(b)(2), the supplier must determine that each sample taken is less than the MCL. If any sample exceeds the MCL, the supplier must comply with the requirements of Section 611.975. If no sample exceeds the MCL, the sample result for each monitoring location is considered the LRAA for that monitoring location.
- e) Violation for failure to monitor. A supplier is in violation of the monitoring requirements for each quarter that a monitoring result would be used in calculating an LRAA if the supplier fails to monitor.

BOARD NOTE: Derived from 40 CFR 141.620 ~~(2012)(2006)~~.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

Section 611.974 Additional Requirements for Consecutive Systems

If a supplier has a consecutive system that does not add a disinfectant but which delivers water that has been treated with a primary or residual disinfectant other than ultraviolet light, it must comply with the analytical and monitoring requirements for chlorine and chloramines in Sections 611.381(c) and 611.382(c)(1) and with the compliance requirements in Section 611.383(c)(1) ~~beginning April 1, 2009, unless the supplier is required to comply earlier by the Agency~~, and the supplier must report monitoring results pursuant to Section 611.384(c).

BOARD NOTE: Derived from 40 CFR 141.624 ~~(2012)(2006)~~.

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

SUBPART Z: ENHANCED TREATMENT FOR CRYPTOSPORIDIUM

Section 611.1001 Source Water Monitoring Requirements: Source Water Monitoring

- a) Initial round of source water monitoring. A supplier must conduct the following monitoring on the schedule in subsection (c) of this Section, unless it meets the monitoring exemption criteria in subsection (d) of this Section.
 - 1) A filtered system supplier that serves 10,000 or more people must sample its source water for Cryptosporidium, E. coli, and turbidity at least monthly for 24 months.
 - 2) An unfiltered system supplier that serves 10,000 or more people must sample its source water for Cryptosporidium at least monthly for 24 months.
 - 3) Smaller system suppliers monitoring for E. coli.
 - A) A filtered system supplier that serves fewer than 10,000 people must sample its source water for E. coli at least once every two weeks for 12 months.
 - B) A filtered system supplier that serves fewer than 10,000 people may avoid E. coli monitoring if the system notifies the Agency that

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

it will monitor for Cryptosporidium as described in subsection (a)(4) of this Section. The system must notify the Agency no later than three months prior to the date before which the system is otherwise required to start E. coli monitoring pursuant to Section 611.1001(c).

- 4) Smaller system suppliers monitoring for Cryptosporidium. A filtered system supplier that serves fewer than 10,000 people must sample its source water for Cryptosporidium at least twice per month for 12 months or at least monthly for 24 months if it meets any of the conditions set forth in subsections (a)(4)(A) through (a)(4)(C) of this Section, subject to the limitations of subsection (a)(4)(D) of this Section, based on monitoring conducted pursuant to subsection (a)(3) of this Section.
 - A) For a supplier that uses a lake or reservoir source, the annual mean E. coli concentration is greater than 10 E. coli/100 ml.
 - B) For a supplier that uses a flowing stream source the annual mean E. coli concentration is greater than 50 E. coli/100 ml.
 - C) The supplier does not conduct E. coli monitoring as described in subsection (a)(3) of this Section.
 - D) A supplier that uses groundwater under the direct influence of surface water must comply with the requirements of subsection (a)(4) of this Section based on the E. coli level that applies to the nearest surface water body. If no surface water body is nearby, the system must comply based on the requirements that apply to a supplier that uses a lake or reservoir source.
- 5) For a filtered system supplier that serves fewer than 10,000 people, the Agency may, by a SEP issued pursuant to Section 611.110, approve monitoring for an indicator other than E. coli pursuant to subsection (a)(3) of this Section. The Agency may also, by a SEP issued pursuant to Section 611.110, approve an alternative to the E. coli concentration in subsection (a)(4)(A), (a)(4)(B) or (a)(4)(D) of this Section to trigger Cryptosporidium monitoring. This approval by the Agency must be provided to the supplier in writing, and it must include the basis for the Agency's determination that the alternative indicator or trigger level will

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

provide a more accurate identification of whether a system will exceed the Bin 1 Cryptosporidium level set forth in Section 611.1010.

- 6) An unfiltered system supplier that serves fewer than 10,000 people must sample its source water for Cryptosporidium at least twice per month for 12 months or at least monthly for 24 months.
 - 7) A supplier may sample more frequently than required by this Section if the sampling frequency is evenly spaced throughout the monitoring period.
- b) Second round of source water monitoring. A supplier must conduct a second round of source water monitoring that meets the requirements for monitoring parameters, frequency, and duration described in subsection (a) of this Section, unless it meets the monitoring exemption criteria in subsection (d) of this Section. The supplier must conduct this monitoring on the schedule set forth in subsection (c) of this Section.
- c) Monitoring schedule. A supplier must begin the monitoring required in subsections (a) and (b) of this Section no later than the month beginning with the applicable date listed in subsections (c)(1) through (c)(5) of this Section.
- 1) A supplier that serves 100,000 or more persons ~~is required to have begun~~must begin the first round of source water monitoring no later than the month beginning October 1, 2006, and it must begin the second round of source water monitoring no later than the month beginning April 1, 2015.
 - 2) A supplier that serves 50,000 to 99,999 persons ~~is required to have begun~~must begin the first round of source water monitoring no later than the month beginning April 1, 2007, and it must begin the second round of source water monitoring no later than the month beginning October 1, 2015.
 - 3) A supplier that serves 10,000 to 49,999 persons ~~is required to have begun~~must begin the first round of source water monitoring no later than the month beginning April 1, 2008, and it must begin the second round of source water monitoring no later than the month beginning October 1, 2016.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- 4) A supplier that serves fewer than 10,000 persons, that is a filtered system supplier, and which monitors for E. coli ~~is required to have begun~~~~must begin~~ the first round of source water monitoring no later than the month beginning October 1, 2008, and it must begin the second round of source water monitoring no later than the month beginning October 1, 2017.
 - 5) A supplier that serves fewer than 10,000 persons, that is an unfiltered system supplier, or that is a filtered system supplier which meets the conditions of subsection (a)(4) of this Section, and which monitors for Cryptosporidium, ~~is required to have begun~~~~must begin~~ the first round of source water monitoring no later than the month beginning April 1, 2010, and it must begin the second round of source water monitoring no later than the month beginning April 1, 2019.
- d) Monitoring avoidance.
- 1) A filtered system supplier is not required to conduct source water monitoring pursuant to this Subpart Z if the system will provide a total of at least 5.5-log of treatment for Cryptosporidium, equivalent to meeting the treatment requirements of Bin 4 in Section 611.1011.
 - 2) An unfiltered system supplier is not required to conduct source water monitoring pursuant to this Subpart Z if the system will provide a total of at least 3-log Cryptosporidium inactivation, equivalent to meeting the treatment requirements for an unfiltered system supplier with a mean Cryptosporidium concentration of greater than 0.01 oocysts/ℓ in Section 611.1012.
 - 3) If a supplier chooses to provide the level of treatment set forth in subsection (d)(1) or (d)(2) of this Section, as applicable, rather than start source water monitoring, it must notify the Agency in writing no later than the date on which the system is otherwise required to submit a sampling schedule for monitoring pursuant to Section 611.1002. Alternatively, a supplier may choose to stop sampling at any point after it has initiated monitoring if it notifies the Agency in writing that it will provide this level of treatment. The supplier must install and operate technologies to provide this level of treatment before the applicable treatment compliance date set forth in Section 611.1013.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- e) Plants operating only part of the year. A supplier that has a Subpart B plant that operates for only part of the year must conduct source water monitoring in accordance with this Subpart Z, but with the following modifications:
- 1) The supplier must sample its source water only during the months that the plant operates, unless the Agency, by a SEP issued pursuant to Section 611.110, specifies another monitoring period based on plant operating practices.
 - 2) A supplier with plants that operate less than six months per year and which monitors for *Cryptosporidium* must collect at least six *Cryptosporidium* samples per year during each of two years of monitoring. Samples must be evenly spaced throughout the period during which the plant operates.
- f) New sources and new systems.
- 1) New sources. A supplier that begins using a new source of surface water or groundwater under the direct influence of surface water after the supplier is required to begin monitoring pursuant to subsection (c) of this Section must monitor the new source on a schedule that the Agency has approved by a SEP issued pursuant to Section 611.110. Source water monitoring must meet the requirements of this Subpart Z. The supplier must also meet the bin classification and *Cryptosporidium* treatment requirements of Sections 611.1010 and 611.1011 or Section 611.1012, as applicable, for the new source on a schedule that the Agency has approved by a SEP issued pursuant to Section 611.110.
 - 2) The requirements of Section 611.1001(f) apply to a Subpart B system supplier that begins operation after the applicable monitoring start date set forth in subsection (c) of this Section.
 - 3) The supplier must begin a second round of source water monitoring no later than six years following initial bin classification pursuant to Section 611.1010 or determination of the mean *Cryptosporidium* level pursuant to Section 611.1012.
- g) Failure to collect any source water sample required under this Section in accordance with the sampling schedule, sampling location, analytical method,

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

approved laboratory, and reporting requirements of Sections 611.1002 through 611.1006 is a monitoring violation.

- h) Grandfathering monitoring data. A supplier may use (grandfather) monitoring data collected prior to the applicable monitoring start date in subsection (c) of this Section to meet the initial source water monitoring requirements in subsection (a) of this Section. Grandfathered data may substitute for an equivalent number of months at the end of the monitoring period. All data submitted pursuant to this subsection must meet the requirements set forth in Section 611.1007.

BOARD NOTE: Derived from 40 CFR 141.701 ~~(2012)~~(2006).

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

Section 611.1004 Source Water Monitoring Requirements: Analytical Methods

- a) Cryptosporidium. A supplier must analyze for Cryptosporidium using USEPA OGWDW Methods, Method 1623 (05), 1623.1, or ~~USEPA OGWDW Methods, Method 1622 (05)~~, each incorporated by reference in Section 611.102, or alternative methods approved by the Agency pursuant to Section 611.480.
- 1) The supplier must analyze at least a 10 ℓ sample or a packed pellet volume of at least 2 mℓ as generated by the methods listed in subsection (a) of this Section. A supplier unable to process a 10 ℓ sample must analyze as much sample volume as can be filtered by two filters approved by USEPA for the methods listed in subsection (a) of this Section, up to a packed pellet volume of at least 2 mℓ.
 - 2) Matrix spike (MS) samples.
 - A) MS samples, as required by the methods in subsection (a) of this Section, must be spiked and filtered by a laboratory approved for Cryptosporidium analysis pursuant to Section 611.1005.
 - B) If the volume of the MS sample is greater than 10 ℓ, the supplier may filter all but 10 ℓ of the MS sample in the field, and ship the filtered sample and the remaining 10 ℓ of source water to the laboratory. In this case, the laboratory must spike the remaining

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

10 ℓ of water and filter it through the filter used to collect the balance of the sample in the field.

- 3) Flow cytometer-counted spiking suspensions must be used for MS samples and ongoing precision and recovery samples.
- b) E. coli. A supplier must use methods for enumeration of E. coli in source water approved in 40 CFR 136.3(a), incorporated by reference in Section 611.102, or alternative methods approved by the Agency pursuant to Section 611.480.
- 1) The time from sample collection to initiation of analysis may not exceed 30 hours, unless the supplier meets the condition of subsection (b)(2) of this Section.
 - 2) The Agency may, by a SEP issued pursuant to Section 611.110, approve on a case-by-case basis the holding of an E. coli sample for up to 48 hours between sample collection and initiation of analysis if it determines that analyzing an E. coli sample within 30 hours is not feasible. E. coli samples held between 30 to 48 hours must be analyzed by the Autoanalysis Colilert System reagent version of Standard Methods, 18th, 19th, or 20th ed., Method 9223 B, ~~as listed in 40 CFR 136.3(a)~~, incorporated by reference in Section 611.102.
 - 3) A supplier must maintain the temperature of its samples between 0°C and 10°C during storage and transit to the laboratory.
 - 4) The supplier may use the membrane filtration, two-step procedure described in Standard Methods, 20th ed., Method 9222 D and G, incorporated by reference in Section 611.102.
- BOARD NOTE: On June 3, 2008 (at 73 Fed. Reg. 31616), USEPA added appendix A to subpart C of 40 CFR 141, which authorized alternative methods to those listed for E. coli by multiple-tube technique at corresponding 40 CFR 141.402(c)(2) to allow the use of Standard Methods for the Examination of Water and Wastewater, 20th ed., Method 9222 D and G.
- c) Turbidity. A supplier must use methods for turbidity measurement approved in Section 611.531(a).

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

BOARD NOTE: Derived from 40 CFR 141.704 and appendix A to 40 CFR 141
~~(2012)(2010)~~.

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

**Section 611.1012 Treatment Technique Requirements: Unfiltered System
Cryptosporidium Treatment Requirements**

- a) Determination of the mean Cryptosporidium level.
 - 1) Following completion of the initial source water monitoring required by Section 611.1001(a), an unfiltered system supplier ~~is required to have calculated~~~~must calculate~~ the arithmetic mean of all Cryptosporidium sample concentrations reported pursuant to Section 611.1001(a). The supplier ~~is required to have reported~~~~must report~~ this value to the Agency for approval no later than six months after the month the supplier is required to ~~have completed~~~~complete~~ initial source water monitoring based on the applicable schedule set forth in Section 611.1001(c).
 - 2) Following completion of the second round of source water monitoring required by Section 611.1001(b), an unfiltered system supplier must calculate the arithmetic mean of all Cryptosporidium sample concentrations reported pursuant to Section 611.1001(b). The supplier must report this value to the Agency for approval no later than six months after the month the supplier is required to complete the second round of source water monitoring based on the applicable schedule set forth in Section 611.1001(c).
 - 3) If the monthly Cryptosporidium sampling frequency varies, a supplier must first calculate a monthly average for each month of monitoring. The supplier must then use these monthly average concentrations, rather than individual sample concentrations, in the calculation of the mean Cryptosporidium level in subsection (a)(1) or (a)(2) of this Section.
 - 4) The report to the Agency of the mean Cryptosporidium levels calculated pursuant to subsections (a)(1) and (a)(2) of this Section must include a summary of the source water monitoring data used for the calculation.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- 5) A failure to comply with the conditions of subsection (a) of this Section is a violation of the treatment technique requirement.
- b) Cryptosporidium inactivation requirements. An unfiltered system supplier must provide the level of inactivation for Cryptosporidium specified in this subsection, based on its mean Cryptosporidium levels, as determined pursuant to subsection (a) of this Section and according to the applicable schedule set forth in Section 611.1013.
 - 1) An unfiltered system supplier with a mean Cryptosporidium level of 0.01 oocysts/ℓ or less must provide at least 2-log Cryptosporidium inactivation.
 - 2) An unfiltered system supplier with a mean Cryptosporidium level of greater than 0.01 oocysts/ℓ must provide at least 3-log Cryptosporidium inactivation.
- c) Inactivation treatment technology requirements. An unfiltered system supplier must use chlorine dioxide, ozone, or UV, as described in Section 611.1020, to meet the Cryptosporidium inactivation requirements of this Section.
 - 1) A supplier that uses chlorine dioxide or ozone and fails to achieve the Cryptosporidium inactivation required in subsection (b) of this Section on more than one day in the calendar month is in violation of the treatment technique requirement.
 - 2) A supplier that uses UV light and fails to achieve the Cryptosporidium inactivation required in subsection (b) of this Section by meeting the criteria in Section 611.1020(d)(3)(B) is in violation of the treatment technique requirement.
- d) Use of two disinfectants. An unfiltered system supplier must meet the combined Cryptosporidium inactivation requirements of this Section and Giardia lamblia and virus inactivation requirements of Section 611.241 using a minimum of two disinfectants, and each of two disinfectants must separately achieve the total inactivation required for any of Cryptosporidium, Giardia lamblia, or viruses.

BOARD NOTE: Derived from 40 CFR 141.712 ~~(2012)(2006)~~.

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Section 611.1013 Treatment Technique Requirements: Schedule for Compliance with Cryptosporidium Treatment Requirements

- a) Following initial bin classification pursuant to Section 611.1010(c), a filtered system supplier must provide the level of treatment for Cryptosporidium required by Section 611.1011 according to the applicable schedule set forth in subsection (c) of this Section.
- b) Following initial determination of the mean Cryptosporidium level pursuant to Section 611.1012(a)(1), an unfiltered system supplier must provide the level of treatment for Cryptosporidium required by Section 611.1012 according to the applicable schedule set forth in subsection (c) of this Section.
- c) Cryptosporidium treatment compliance dates.
 - 1) A supplier that serves 100,000 or more persons ~~is required to have complied~~~~must comply~~ **is required to have complied** with Cryptosporidium treatment requirements before April 1, 2012.
 - 2) A supplier that serves 50,000 to 99,999 persons ~~is required to have complied~~~~must comply~~ **is required to have complied** with Cryptosporidium treatment requirements before October 1, 2012.
 - 3) A supplier that serves 10,000 to 49,999 persons must comply with Cryptosporidium treatment requirements before October 1, 2013.
 - 4) A supplier that serves fewer than 10,000 persons must comply with Cryptosporidium treatment requirements before October 1, 2014.
 - 5) The Agency may, by a SEP issued pursuant to Section 611.110, allow up to an additional two years from the applicable date set forth in this subsection (c) for complying with the treatment requirement if it determines that the additional time is necessary for the supplier to make capital improvements to implement the treatment.
- d) If the bin classification for a filtered system supplier changes following the second round of source water monitoring, as determined pursuant to Section 611.1010(d), the supplier must provide the level of treatment for Cryptosporidium

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

required by Section 611.1011 on a schedule approved by the Agency by a SEP issued pursuant to Section 611.110.

- e) If the mean *Cryptosporidium* level for an unfiltered system supplier changes following the second round of monitoring, as determined pursuant to Section 611.1012(a)(2), and if the supplier must provide a different level of *Cryptosporidium* treatment pursuant to Section 611.1012 due to this change, the supplier must meet this treatment requirement on a schedule approved by the Agency by a SEP issued pursuant to Section 611.110.

BOARD NOTE: Derived from 40 CFR 141.713 ~~(2012)(2006)~~.

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

Section 611.1014 Treatment Technique Requirements: Requirements for Uncovered Finished Water Storage Facilities

- a) A supplier that uses uncovered finished water storage facilities must comply with the conditions of this Section.
- b) A supplier ~~is required to have notified~~~~must notify~~ the Agency in writing of the use of each uncovered finished water storage facility no later than April 1, 2008.
- c) A supplier ~~is required to have met~~~~must meet~~ either of the following conditions for each uncovered finished water storage facility, or it ~~is required to have been~~~~must be~~ in compliance with an Agency-approved schedule to meet these conditions, no later than April 1, 2009:
- 1) The supplier must cover any uncovered finished water storage facility; or
 - 2) The supplier must treat the discharge from the uncovered finished water storage facility to the distribution system to achieve inactivation or removal of at least 4-log virus, 3-log *Giardia lamblia*, and 2-log *Cryptosporidium* using a protocol approved by the Agency.
- d) A failure to comply with the requirements of this Section is a violation of the treatment technique requirement.

BOARD NOTE: Derived from 40 CFR 141.714 ~~(2012)(2006)~~.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Section 611.APPENDIX A Regulated Contaminants

Microbiological contaminants.

Contaminant (units): Total Coliform Bacteria

Traditional MCL in mg/ℓ: MCL: (a supplier that collects 40 or more samples/month) five percent or fewer of monthly samples are positive; (systems that collect fewer than 40 samples/month) one or fewer positive monthly samples.

To convert for CCR, multiply by: –

MCL in CCR units: MCL: (a supplier that collects 40 or more samples/month) five percent or fewer of monthly samples are positive; (a supplier that collects fewer than 40 samples/month) one or fewer positive monthly samples.

MCLG: 0

Major sources in drinking water: Naturally present in the environment.

Health effects language: Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems.

Contaminant (units): Fecal coliform and E. coli

Traditional MCL in mg/ℓ: 0

To convert for CCR, multiply by: –

MCL in CCR units: 0

MCLG: 0

Major sources in drinking water: Human and animal fecal waste.

Health effects language: Fecal coliforms and E. coli are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Microbes in these wastes can cause short-term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a special health risk for infants, young children, some of the elderly, and people with severely-compromised immune systems.

Contaminant (units): Fecal Indicators (enterococci or coliphage).

Traditional MCL in mg/ℓ: TT.

To convert for CCR, multiply by: –

MCL in CCR units: TT.

MCLG: N/A

Major sources in drinking water: Human and animal fecal waste.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Health effects language: Fecal indicators are microbes whose presence indicates that the water may be contaminated with human or animal wastes. Microbes in these wastes can cause short-term health effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a special health risk for infants, young children, some of the elderly, and people with severely compromised immune systems.

Contaminant (units): Total organic carbon (ppm)

Traditional MCL in mg/l: TT

To convert for CCR, multiply by: –

MCL in CCR units: TT

MCLG: N/A

Major sources in drinking water: Naturally present in the environment.

Health effects language: Total organic carbon (TOC) has no health effects. However, total organic carbon provides a medium for the formation of disinfection byproducts. These byproducts include trihalomethanes (THMs) and haloacetic acids (HAAs). Drinking water containing these byproducts in excess of the MCL may lead to adverse health effects, liver or kidney problems, or nervous system effects, and may lead to an increased risk of getting cancer.

Contaminant (units): Turbidity (NTU)

Traditional MCL in mg/l: TT

To convert for CCR, multiply by: –

MCL in CCR units: TT

MCLG: N/A

Major sources in drinking water: Soil runoff.

Health effects language: Turbidity has no health effects. However, turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.

Radioactive contaminants.

Contaminant (units): Beta/photon emitters (mrem/yr)

Traditional MCL in mg/l: 4 mrem/yr

To convert for CCR, multiply by: –

MCL in CCR units: 4

MCLG: 0

Major sources in drinking water: Decay of natural and man-made deposits.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Health effects language: Certain minerals are radioactive and may emit forms of radiation known as photons and beta radiation. Some people who drink water containing beta particle and photon radioactivity in excess of the MCL over many years may have an increased risk of getting cancer.

Contaminant (units): Alpha emitters (pCi/l)

Traditional MCL in mg/l: 15 pCi/l

To convert for CCR, multiply by: –

MCL in CCR units: 15

MCLG: 0

Major sources in drinking water: Erosion of natural deposits.

Health effects language: Certain minerals are radioactive and may emit a form of radiation known as alpha radiation. Some people who drink water containing alpha emitters in excess of the MCL over many years may have an increased risk of getting cancer.

Contaminant (units): Combined radium (pCi/l)

Traditional MCL in mg/l: 5 pCi/l

To convert for CCR, multiply by: –

MCL in CCR units: 5

MCLG: 0

Major sources in drinking water: Erosion of natural deposits.

Health effects language: Some people who drink water containing radium-226 or -228 in excess of the MCL over many years may have an increased risk of getting cancer.

Contaminant (units): Uranium ($\mu\text{g}/\ell$)

Traditional MCL in mg/l: 30 $\mu\text{g}/\ell$

To convert for CCR, multiply by: –

MCL in CCR units: 30

MCLG: 0

Major sources in drinking water: Erosion of natural deposits.

Health effects language: Some people who drink water containing uranium in excess of the MCL over many years may have an increased risk of getting cancer and kidney toxicity.

Inorganic contaminants.

Contaminant (units): Antimony (ppb)

Traditional MCL in mg/l: 0.006

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

To convert for CCR, multiply by: 1000

MCL in CCR units: 6

MCLG: 6

Major sources in drinking water: Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder.

Health effects language: Some people who drink water containing antimony well in excess of the MCL over many years could experience increases in blood cholesterol and decreases in blood sugar.

Contaminant (units): Arsenic (ppb)

Traditional MCL in mg/ℓ: ~~0.05 until January 23, 2006~~ or 0.010
effective January 23, 2006

To convert for CCR, multiply by: 1000

MCL in CCR units: 50

MCLG: 0 (effective January 26, 2006)

Major sources in drinking water: Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes.

Health effects language: Some people who drink water containing arsenic in excess of the MCL over many years could experience skin damage or problems with their circulatory system, and may have an increased risk of getting cancer.

Contaminant (units): Asbestos (MFL)

Traditional MCL in mg/ℓ: 7 MFL

To convert for CCR, multiply by: –

MCL in CCR units: 7

MCLG: 7

Major sources in drinking water: Decay of asbestos cement water mains; erosion of natural deposits.

Health effects language: Some people who drink water containing asbestos in excess of the MCL over many years may have an increased risk of developing benign intestinal polyps.

Contaminant (units): Barium (ppm)

Traditional MCL in mg/ℓ: 2

To convert for CCR, multiply by: –

MCL in CCR units: 2

MCLG: 2

Major sources in drinking water: Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Health effects language: Some people who drink water containing barium in excess of the MCL over many years could experience an increase in their blood pressure.

Contaminant (units): Beryllium (ppb)

Traditional MCL in mg/l: 0.004

To convert for CCR, multiply by: 1000

MCL in CCR units: 4

MCLG: 4

Major sources in drinking water: Discharge from metal refineries and coal-burning factories; discharge from electrical, aerospace, and defense industries.

Health effects language: Some people who drink water containing beryllium well in excess of the MCL over many years could develop intestinal lesions.

Contaminant (units): Bromate (ppb)

Traditional MCL in mg/l: 0.010

To convert for CCR, multiply by: 1000

MCL in CCR units: 10

MCLG: 0

Major sources in drinking water: By-product of drinking water disinfection.

Health effects language: Some people who drink water containing bromate in excess of the MCL over many years may have an increased risk of getting cancer.

Contaminant (units): Cadmium (ppb)

Traditional MCL in mg/l: 0.005

To convert for CCR, multiply by: 1000

MCL in CCR units: 5

MCLG: 5

Major sources in drinking water: Corrosion of galvanized pipes; erosion of natural deposits; discharge from metal refineries; runoff from waste batteries and paints.

Health effects language: Some people who drink water containing cadmium in excess of the MCL over many years could experience kidney damage.

Contaminant (units): Chloramines (ppm)

Traditional MCL in mg/l: MRDL=4

To convert for CCR, multiply by: -

MCL in CCR units: MRDL=4

MCLG: MRDLG=4

Major sources in drinking water: Water additive used to control microbes.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Health effects language: Some people who drink water containing chloramines well in excess of the MRDL could experience irritating effects to their eyes and nose. Some people who drink water containing chloramines well in excess of the MRDL could experience stomach discomfort or anemia.

Contaminant (units): Chlorine (ppm)

Traditional MCL in mg/ℓ: MRDL=4

To convert for CCR, multiply by: –

MCL in CCR units: MRDL=4

MCLG: MRDLG=4

Major sources in drinking water: Water additive used to control microbes.

Health effects language: Some people who drink water containing chlorine well in excess of the MRDL could experience irritating effects to their eyes and nose. Some people who drink water containing chlorine well in excess of the MRDL could experience stomach discomfort.

Contaminant (units): Chlorine dioxide (ppb)

Traditional MCL in mg/ℓ: MRDL=800

To convert for CCR, multiply by: 1000

MCL in CCR units: MRDL=800

MCLG: MRDLG=800

Major sources in drinking water: Water additive used to control microbes.

Health effects language: Some infants and young children who drink water containing chlorine dioxide well in excess of the MRDL could experience nervous system effects. Similar effects may occur in fetuses of pregnant women who drink water containing chlorine dioxide in excess of the MRDL. Some people may experience anemia.

Contaminant (units): Chlorite (ppm)

Traditional MCL in mg/ℓ: MRDL=1

To convert for CCR, multiply by: –

MCL in CCR units: MRDL=1

MCLG: MRDLG=0.8

Major sources in drinking water: By-product of drinking water disinfection.

Health effects language: Some infants and young children who drink water containing chlorite well in excess of the MCL could experience nervous system effects. Similar effects may occur in fetuses of pregnant women who drink water containing chlorite in excess of the MCL. Some people may experience anemia.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Contaminant (units): Chromium (ppb)

Traditional MCL in mg/ℓ: 0.1

To convert for CCR, multiply by: 1000

MCL in CCR units: 100

MCLG: 100

Major sources in drinking water: Discharge from steel and pulp mills; erosion of natural deposits.

Health effects language: Some people who use water containing chromium well in excess of the MCL over many years could experience allergic dermatitis.

Contaminant (units): Copper (ppm)

Traditional MCL in mg/ℓ: AL=1.3

To convert for CCR, multiply by: –

MCL in CCR units: AL=1.3

MCLG: 1.3

Major sources in drinking water: Corrosion of household plumbing systems; erosion of natural deposits.

Health effects language: Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years could suffer liver or kidney damage. People with Wilson's Disease should consult their personal doctor.

Contaminant (units): Cyanide (ppb)

Traditional MCL in mg/ℓ: 0.2

To convert for CCR, multiply by: 1000

MCL in CCR units: 200

MCLG: 200

Major sources in drinking water: Discharge from steel/metal factories; discharge from plastic and fertilizer factories.

Health effects language: Some people who drink water containing cyanide well in excess of the MCL over many years could experience nerve damage or problems with their thyroid.

Contaminant (units): Fluoride (ppm)

Traditional MCL in mg/ℓ: 4

To convert for CCR, multiply by: –

MCL in CCR units: 4

MCLG: 4

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Major sources in drinking water: Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories.

Health effects language: Some people who drink water containing fluoride in excess of the MCL over many years could get bone disease, including pain and tenderness of the bones. Fluoride in drinking water at half the MCL or more may cause mottling of children's teeth, usually in children less than nine years old. Mottling, also known as dental fluorosis, may include brown staining or pitting of the teeth, and occurs only in developing teeth before they erupt from the gums.

Contaminant (units): Lead (ppb)

Traditional MCL in mg/ℓ: AL=0.015

To convert for CCR, multiply by: 1000

MCL in CCR units: AL=15

MCLG: 0

Major sources in drinking water: Corrosion of household plumbing systems; erosion of natural deposits.

Health effects language: Infants and children who drink water containing lead in excess of the action level could experience delays in their physical or mental development. Children could show slight deficits in attention span and learning abilities. Adults who drink this water over many years could develop kidney problems or high blood pressure.

Contaminant (units): Mercury (inorganic) (ppb)

Traditional MCL in mg/ℓ: 0.002

To convert for CCR, multiply by: 1000

MCL in CCR units: 2

MCLG: 2

Major sources in drinking water: Erosion of natural deposits; discharge from refineries and factories; runoff from landfills; runoff from cropland.

Health effects language: Some people who drink water containing inorganic mercury well in excess of the MCL over many years could experience kidney damage.

Contaminant (units): Nitrate (ppm)

Traditional MCL in mg/ℓ: 10

To convert for CCR, multiply by: –

MCL in CCR units: 10

MCLG: 10

Major sources in drinking water: Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Health effects language: Infants below the age of six months who drink water containing nitrate in excess of the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blue baby syndrome.

Contaminant (units): Nitrite (ppm)

Traditional MCL in mg/ℓ: 1

To convert for CCR, multiply by: –

MCL in CCR units: 1

MCLG: 1

Major sources in drinking water: Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.

Health effects language: Infants below the age of six months who drink water containing nitrite in excess of the MCL could become seriously ill and, if untreated, may die.

Symptoms include shortness of breath and blue baby syndrome.

Contaminant (units): Selenium (ppb)

Traditional MCL in mg/ℓ: 0.05

To convert for CCR, multiply by: 1000

MCL in CCR units: 50

MCLG: 50

Major sources in drinking water: Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines.

Health effects language: Selenium is an essential nutrient. However, some people who drink water containing selenium in excess of the MCL over many years could experience hair or fingernail losses, numbness in fingers or toes, or problems with their circulation.

Contaminant (units): Thallium (ppb)

Traditional MCL in mg/ℓ: 0.002

To convert for CCR, multiply by: 1000

MCL in CCR units: 2

MCLG: 0.5

Major sources in drinking water: Leaching from ore-processing sites; discharge from electronics, glass, and drug factories.

Health effects language: Some people who drink water containing thallium in excess of the MCL over many years could experience hair loss, changes in their blood, or problems with their kidneys, intestines, or liver.

Synthetic organic contaminants including pesticides and herbicides.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Contaminant (units): 2,4-D (ppb)

Traditional MCL in mg/ℓ: 0.07

To convert for CCR, multiply by: 1000

MCL in CCR units: 70

MCLG: 70

Major sources in drinking water: Runoff from herbicide used on row crops.

Health effects language: Some people who drink water containing the weed killer 2,4-D well in excess of the MCL over many years could experience problems with their kidneys, liver, or adrenal glands.

Contaminant (units): 2,4,5-TP (silvex) (ppb)

Traditional MCL in mg/ℓ: 0.05

To convert for CCR, multiply by: 1000

MCL in CCR units: 50

MCLG: 50

Major sources in drinking water: Residue of banned herbicide.

Health effects language: Some people who drink water containing silvex in excess of the MCL over many years could experience liver problems.

Contaminant (units): Acrylamide

Traditional MCL in mg/ℓ: TT

To convert for CCR, multiply by: –

MCL in CCR units: TT

MCLG: 0

Major sources in drinking water: Added to water during sewage/wastewater treatment.

Health effects language: Some people who drink water containing high levels of acrylamide over a long period of time could have problems with their nervous system or blood, and may have an increased risk of getting cancer.

Contaminant (units): Alachlor (ppb)

Traditional MCL in mg/ℓ: 0.002

To convert for CCR, multiply by: 1000

MCL in CCR units: 2

MCLG: 0

Major sources in drinking water: Runoff from herbicide used on row crops.

Health effects language: Some people who drink water containing alachlor in excess of the MCL over many years could have problems with their eyes, liver, kidneys, or spleen, or experience anemia, and may have an increased risk of getting cancer.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Contaminant (units): Atrazine (ppb)

Traditional MCL in mg/ℓ: 0.003

To convert for CCR, multiply by: 1000

MCL in CCR units: 3

MCLG: 3

Major sources in drinking water: Runoff from herbicide used on row crops.

Health effects language: Some people who drink water containing atrazine well in excess of the MCL over many years could experience problems with their cardiovascular system or reproductive difficulties.

Contaminant (units): Benzo(a)pyrene (PAH) (nanograms/ℓ)

Traditional MCL in mg/ℓ: 0.0002

To convert for CCR, multiply by: 1,000,000

MCL in CCR units: 200

MCLG: 0

Major sources in drinking water: Leaching from linings of water storage tanks and distribution lines.

Health effects language: Some people who drink water containing benzo(a)pyrene in excess of the MCL over many years may experience reproductive difficulties and may have an increased risk of getting cancer.

Contaminant (units): Carbofuran (ppb)

Traditional MCL in mg/ℓ: 0.04

To convert for CCR, multiply by: 1000

MCL in CCR units: 40

MCLG: 40

Major sources in drinking water: Leaching of soil fumigant used on rice and alfalfa.

Health effects language: Some people who drink water containing carbofuran in excess of the MCL over many years could experience problems with their blood, or nervous or reproductive systems.

Contaminant (units): Chlordane (ppb)

Traditional MCL in mg/ℓ: 0.002

To convert for CCR, multiply by: 1000

MCL in CCR units: 2

MCLG: 0

Major sources in drinking water: Residue of banned termiticide.

Health effects language: Some people who drink water containing chlordane in excess of

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

the MCL over many years could experience problems with their liver or nervous system, and may have an increased risk of getting cancer.

Contaminant (units): Dalapon (ppb)

Traditional MCL in mg/l: 0.2

To convert for CCR, multiply by: 1000

MCL in CCR units: 200

MCLG: 200

Major sources in drinking water: Runoff from herbicide used on rights of way.

Health effects language: Some people who drink water containing dalapon well in excess of the MCL over many years could experience minor kidney changes.

Contaminant (units): Di(2-ethylhexyl)adipate (ppb)

Traditional MCL in mg/l: 0.4

To convert for CCR, multiply by: 1000

MCL in CCR units: 400

MCLG: 400

Major sources in drinking water: Discharge from chemical factories.

Health effects language: Some people who drink water containing di(2-ethylhexyl)adipate well in excess of the MCL over many years could experience toxic effects, such as weight loss, liver enlargement, or possible reproductive difficulties.

Contaminant (units): Di(2-ethylhexyl)phthalate (ppb)

Traditional MCL in mg/l: 0.006

To convert for CCR, multiply by: 1000

MCL in CCR units: 6

MCLG: 0

Major sources in drinking water: Discharge from rubber and chemical factories.

Health effects language: Some people who drink water containing di(2-ethylhexyl)phthalate well in excess of the MCL over many years may have problems with their liver or experience reproductive difficulties, and they may have an increased risk of getting cancer.

Contaminant (units): Dibromochloropropane (DBCP) (ppt)

Traditional MCL in mg/l: 0.0002

To convert for CCR, multiply by: 1,000,000

MCL in CCR units: 200

MCLG: 0

Major sources in drinking water: Runoff/leaching from soil fumigant used on soybeans,

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

cotton, pineapples, and orchards.

Health effects language: Some people who drink water containing DBCP in excess of the MCL over many years could experience reproductive problems and may have an increased risk of getting cancer.

Contaminant (units): Dinoseb (ppb)

Traditional MCL in mg/ℓ: 0.007

To convert for CCR, multiply by: 1000

MCL in CCR units: 7

MCLG: 7

Major sources in drinking water: Runoff from herbicide used on soybeans and vegetables.

Health effects language: Some people who drink water containing dinoseb well in excess of the MCL over many years could experience reproductive difficulties.

Contaminant (units): Diquat (ppb)

Traditional MCL in mg/ℓ: 0.02

To convert for CCR, multiply by: 1000

MCL in CCR units: 20

MCLG: 20

Major sources in drinking water: Runoff from herbicide use.

Health effects language: Some people who drink water containing diquat in excess of the MCL over many years could get cataracts.

Contaminant (units): Dioxin (2,3,7,8-TCDD) (ppq)

Traditional MCL in mg/ℓ: 0.00000003

To convert for CCR, multiply by: 1,000,000,000

MCL in CCR units: 30

MCLG: 0

Major sources in drinking water: Emissions from waste incineration and other combustion; discharge from chemical factories.

Health effects language: Some people who drink water containing dioxin in excess of the MCL over many years could experience reproductive difficulties and may have an increased risk of getting cancer.

Contaminant (units): Endothall (ppb)

Traditional MCL in mg/ℓ: 0.1

To convert for CCR, multiply by: 1000

MCL in CCR units: 100

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

MCLG: 100

Major sources in drinking water: Runoff from herbicide use.

Health effects language: Some people who drink water containing endothall in excess of the MCL over many years could experience problems with their stomach or intestines.

Contaminant (units): Endrin (ppb)

Traditional MCL in mg/l: 0.002

To convert for CCR, multiply by: 1000

MCL in CCR units: 2

MCLG: 2

Major sources in drinking water: Residue of banned insecticide.

Health effects language: Some people who drink water containing endrin in excess of the MCL over many years could experience liver problems.

Contaminant (units): Epichlorohydrin

Traditional MCL in mg/l: TT

To convert for CCR, multiply by: –

MCL in CCR units: TT

MCLG: 0

Major sources in drinking water: Discharge from industrial chemical factories; an impurity of some water treatment chemicals.

Health effects language: Some people who drink water containing high levels of epichlorohydrin over a long period of time could experience stomach problems, and may have an increased risk of getting cancer.

Contaminant (units): Ethylene dibromide (ppt)

Traditional MCL in mg/l: 0.00005

To convert for CCR, multiply by: 1,000,000

MCL in CCR units: 50

MCLG: 0

Major sources in drinking water: Discharge from petroleum refineries.

Health effects language: Some people who drink water containing ethylene dibromide in excess of the MCL over many years could experience problems with their liver, stomach, reproductive system, or kidneys, and may have an increased risk of getting cancer.

Contaminant (units): Glyphosate (ppb)

Traditional MCL in mg/l: 0.7

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

To convert for CCR, multiply by: 1000

MCL in CCR units: 700

MCLG: 700

Major sources in drinking water: Runoff from herbicide use.

Health effects language: Some people who drink water containing glyphosate in excess of the MCL over many years could experience problems with their kidneys or reproductive difficulties.

Contaminant (units): Heptachlor (ppt)

Traditional MCL in mg/ℓ: 0.0004

To convert for CCR, multiply by: 1,000,000

MCL in CCR units: 400

MCLG: 0

Major sources in drinking water: Residue of banned pesticide.

Health effects language: Some people who drink water containing heptachlor in excess of the MCL over many years could experience liver damage and may have an increased risk of getting cancer.

Contaminant (units): Heptachlor epoxide (ppt)

Traditional MCL in mg/ℓ: 0.0002

To convert for CCR, multiply by: 1,000,000

MCL in CCR units: 200

MCLG: 0

Major sources in drinking water: Breakdown of heptachlor.

Health effects language: Some people who drink water containing heptachlor epoxide in excess of the MCL over many years could experience liver damage, and may have an increased risk of getting cancer.

Contaminant (units): Hexachlorobenzene (ppb)

Traditional MCL in mg/ℓ: 0.001

To convert for CCR, multiply by: 1000

MCL in CCR units: 1

MCLG: 0

Major sources in drinking water: Discharge from metal refineries and agricultural chemical factories.

Health effects language: Some people who drink water containing hexachlorobenzene in excess of the MCL over many years could experience problems with their liver or kidneys, or adverse reproductive effects, and may have an increased risk of getting cancer.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Contaminant (units): Hexachlorocyclopentadiene (ppb)

Traditional MCL in mg/ℓ: 0.05

To convert for CCR, multiply by: 1000

MCL in CCR units: 50

MCLG: 50

Major sources in drinking water: Discharge from chemical factories.

Health effects language: Some people who drink water containing hexachlorocyclopentadiene well in excess of the MCL over many years could experience problems with their kidneys or stomach.

Contaminant (units): Lindane (ppt)

Traditional MCL in mg/ℓ: 0.0002

To convert for CCR, multiply by: 1,000,000

MCL in CCR units: 200

MCLG: 200

Major sources in drinking water: Runoff/leaching from insecticide used on cattle, lumber, gardens.

Health effects language: Some people who drink water containing lindane in excess of the MCL over many years could experience problems with their kidneys or liver.

Contaminant (units): Methoxychlor (ppb)

Traditional MCL in mg/ℓ: 0.04

To convert for CCR, multiply by: 1000

MCL in CCR units: 40

MCLG: 40

Major sources in drinking water: Runoff/leaching from insecticide used on fruits, vegetables, alfalfa, livestock.

Health effects language: Some people who drink water containing methoxychlor in excess of the MCL over many years could experience reproductive difficulties.

Contaminant (units): Oxamyl (vydate) (ppb)

Traditional MCL in mg/ℓ: 0.2

To convert for CCR, multiply by: 1000

MCL in CCR units: 200

MCLG: 200

Major sources in drinking water: Runoff/leaching from insecticide used on apples, potatoes and tomatoes.

Health effects language: Some people who drink water containing oxamyl in excess of

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

the MCL over many years could experience slight nervous system effects.

Contaminant (units): PCBs (polychlorinated biphenyls) (ppt)

Traditional MCL in mg/l: 0.0005

To convert for CCR, multiply by: 1,000,000

MCL in CCR units: 500

MCLG: 0

Major sources in drinking water: Runoff from landfills; discharge of waste chemicals.

Health effects language: Some people who drink water containing PCBs in excess of the MCL over many years could experience changes in their skin, problems with their thymus gland, immune deficiencies, or reproductive or nervous system difficulties, and may have an increased risk of getting cancer.

Contaminant (units): Pentachlorophenol (ppb)

Traditional MCL in mg/l: 0.001

To convert for CCR, multiply by: 1000

MCL in CCR units: 1

MCLG: 0

Major sources in drinking water: Discharge from wood preserving factories.

Health effects language: Some people who drink water containing pentachlorophenol in excess of the MCL over many years could experience problems with their liver or kidneys, and may have an increased risk of getting cancer.

Contaminant (units): Picloram (ppb)

Traditional MCL in mg/l: 0.5

To convert for CCR, multiply by: 1000

MCL in CCR units: 500

MCLG: 500

Major sources in drinking water: Herbicide runoff.

Health effects language: Some people who drink water containing picloram in excess of the MCL over many years could experience problems with their liver.

Contaminant (units): Simazine (ppb)

Traditional MCL in mg/l: 0.004

To convert for CCR, multiply by: 1000

MCL in CCR units: 4

MCLG: 4

Major sources in drinking water: Herbicide runoff.

Health effects language: Some people who drink water containing simazine in excess of

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

the MCL over many years could experience problems with their blood.

Contaminant (units): Toxaphene (ppb)

Traditional MCL in mg/ℓ: 0.003

To convert for CCR, multiply by: 1000

MCL in CCR units: 3

MCLG: 0

Major sources in drinking water: Runoff/leaching from insecticide used on cotton and cattle.

Health effects language: Some people who drink water containing toxaphene in excess of the MCL over many years could have problems with their kidneys, liver, or thyroid, and may have an increased risk of getting cancer.

Volatile organic contaminants.

Contaminant (units): Benzene (ppb)

Traditional MCL in mg/ℓ: 0.005

To convert for CCR, multiply by: 1000

MCL in CCR units: 5

MCLG: 0

Major sources in drinking water: Discharge from factories; leaching from gas storage tanks and landfills.

Health effects language: Some people who drink water containing benzene in excess of the MCL over many years could experience anemia or a decrease in blood platelets, and may have an increased risk of getting cancer.

Contaminant (units): Carbon tetrachloride (ppb)

Traditional MCL in mg/ℓ: 0.005

To convert for CCR, multiply by: 1000

MCL in CCR units: 5

MCLG: 0

Major sources in drinking water: Discharge from chemical plants and other industrial activities.

Health effects language: Some people who drink water containing carbon tetrachloride in excess of the MCL over many years could experience problems with their liver and may have an increased risk of getting cancer.

Contaminant (units): Chlorobenzene (ppb)

Traditional MCL in mg/ℓ: 0.1

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

To convert for CCR, multiply by: 1000

MCL in CCR units: 100

MCLG: 100

Major sources in drinking water: Discharge from chemical and agricultural chemical factories.

Health effects language: Some people who drink water containing chlorobenzene in excess of the MCL over many years could experience problems with their liver or kidneys.

Contaminant (units): o-Dichlorobenzene (ppb)

Traditional MCL in mg/ℓ: 0.6

To convert for CCR, multiply by: 1000

MCL in CCR units: 600

MCLG: 600

Major sources in drinking water: Discharge from industrial chemical factories.

Health effects language: Some people who drink water containing o-dichlorobenzene well in excess of the MCL over many years could experience problems with their liver, kidneys, or circulatory systems.

Contaminant (units): p-Dichlorobenzene (ppb)

Traditional MCL in mg/ℓ: 0.075

To convert for CCR, multiply by: 1000

MCL in CCR units: 75

MCLG: 75

Major sources in drinking water: Discharge from industrial chemical factories.

Health effects language: Some people who drink water containing p-dichlorobenzene in excess of the MCL over many years could experience anemia; damage to their liver, kidneys, or spleen; or changes in their blood.

Contaminant (units): 1,2-Dichloroethane (ppb)

Traditional MCL in mg/ℓ: 0.005

To convert for CCR, multiply by: 1000

MCL in CCR units: 5

MCLG: 0

Major sources in drinking water: Discharge from industrial chemical factories.

Health effects language: Some people who drink water containing 1,2-dichloroethane in excess of the MCL over many years may have an increased risk of getting cancer.

Contaminant (units): 1,1-Dichloroethylene (ppb)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Traditional MCL in mg/ℓ: 0.007

To convert for CCR, multiply by: 1000

MCL in CCR units: 7

MCLG: 7

Major sources in drinking water: Discharge from industrial chemical factories.

Health effects language: Some people who drink water containing 1,1-dichloroethylene in excess of the MCL over many years could experience problems with their liver.

Contaminant (units): cis-1,2-Dichloroethylene (ppb)

Traditional MCL in mg/ℓ: 0.07

To convert for CCR, multiply by: 1000

MCL in CCR units: 70

MCLG: 70

Major sources in drinking water: Discharge from industrial chemical factories.

Health effects language: Some people who drink water containing cis-1,2-dichloroethylene in excess of the MCL over many years could experience problems with their liver.

Contaminant (units): trans-1,2-Dichloroethylene (ppb)

Traditional MCL in mg/ℓ: 0.1

To convert for CCR, multiply by: 1000

MCL in CCR units: 100

MCLG: 100

Major sources in drinking water: Discharge from industrial chemical factories.

Health effects language: Some people who drink water containing trans-1,2-dichloroethylene well in excess of the MCL over many years could experience problems with their liver.

Contaminant (units): Dichloromethane (ppb)

Traditional MCL in mg/ℓ: 0.005

To convert for CCR, multiply by: 1000

MCL in CCR units: 5

MCLG: 0

Major sources in drinking water: Discharge from pharmaceutical and chemical factories.

Health effects language: Some people who drink water containing dichloromethane in excess of the MCL over many years could have liver problems and may have an increased risk of getting cancer.

Contaminant (units): 1,2-Dichloropropane (ppb)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Traditional MCL in mg/ℓ: 0.005

To convert for CCR, multiply by: 1000

MCL in CCR units: 5

MCLG: 0

Major sources in drinking water: Discharge from industrial chemical factories.

Health effects language: Some people who drink water containing 1,2-dichloropropane in excess of the MCL over many years may have an increased risk of getting cancer.

Contaminant (units): Ethylbenzene (ppb)

Traditional MCL in mg/ℓ: 0.7

To convert for CCR, multiply by: 1000

MCL in CCR units: 700

MCLG: 700

Major sources in drinking water: Discharge from petroleum refineries.

Health effects language: Some people who drink water containing ethylbenzene well in excess of the MCL over many years could experience problems with their liver or kidneys.

Contaminant (units): Haloacetic acids (HAA5) (ppb)

Traditional MCL in mg/ℓ: 0.060

To convert for CCR, multiply by: 1000

MCL in CCR units: 60

MCLG: N/A

Major sources in drinking water: Byproduct of drinking water disinfection.

Health effects language: Some people who drink water containing haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer.

Contaminant (units): Styrene (ppb)

Traditional MCL in mg/ℓ: 0.1

To convert for CCR, multiply by: 1000

MCL in CCR units: 100

MCLG: 100

Major sources in drinking water: Discharge from rubber and plastic factories; leaching from landfills.

Health effects language: Some people who drink water containing styrene well in excess of the MCL over many years could have problems with their liver, kidneys, or circulatory system.

Contaminant (units): Tetrachloroethylene (ppb)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Traditional MCL in mg/ℓ: 0.005

To convert for CCR, multiply by: 1000

MCL in CCR units: 5

MCLG: 0

Major sources in drinking water: Discharge from factories and dry cleaners.

Health effects language: Some people who drink water containing tetrachloroethylene in excess of the MCL over many years could have problems with their liver, and may have an increased risk of getting cancer.

Contaminant (units): 1,2,4-Trichlorobenzene (ppb)

Traditional MCL in mg/ℓ: 0.07

To convert for CCR, multiply by: 1000

MCL in CCR units: 70

MCLG: 70

Major sources in drinking water: Discharge from textile-finishing factories.

Health effects language: Some people who drink water containing 1,2,4-trichlorobenzene well in excess of the MCL over many years could experience changes in their adrenal glands.

Contaminant (units): 1,1,1-Trichloroethane (ppb)

Traditional MCL in mg/ℓ: 0.2

To convert for CCR, multiply by: 1000

MCL in CCR units: 200

MCLG: 200

Major sources in drinking water: Discharge from metal degreasing sites and other factories.

Health effects language: Some people who drink water containing 1,1,1-trichloroethane in excess of the MCL over many years could experience problems with their liver, nervous system, or circulatory system.

Contaminant (units): 1,1,2-Trichloroethane (ppb)

Traditional MCL in mg/ℓ: 0.005

To convert for CCR, multiply by: 1000

MCL in CCR units: 5

MCLG: 3

Major sources in drinking water: Discharge from industrial chemical factories.

Health effects language: Some people who drink water containing 1,1,2-trichloroethane well in excess of the MCL over many years could have problems with their liver, kidneys, or immune systems.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Contaminant (units): Trichloroethylene (ppb)

Traditional MCL in mg/ℓ: 0.005

To convert for CCR, multiply by: 1000

MCL in CCR units: 5

MCLG: 0

Major sources in drinking water: Discharge from metal degreasing sites and other factories.

Health effects language: Some people who drink water containing trichloroethylene in excess of the MCL over many years could experience problems with their liver and may have an increased risk of getting cancer.

Contaminant (units): TTHMs (total trihalomethanes) (ppb)

Traditional MCL in mg/ℓ: 0.10/0.080

To convert for CCR, multiply by: 1000

MCL in CCR units: 100/80

MCLG: N/A

Major sources in drinking water: Byproduct of drinking water disinfection.

Health effects language: Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous system, and may have an increased risk of getting cancer.

Contaminant (units): Toluene (ppm)

Traditional MCL in mg/ℓ: 1

To convert for CCR, multiply by: –

MCL in CCR units: 1

MCLG: 1

Major sources in drinking water: Discharge from petroleum factories.

Health effects language: Some people who drink water containing toluene well in excess of the MCL over many years could have problems with their nervous system, kidneys, or liver.

Contaminant (units): Vinyl Chloride (ppb)

Traditional MCL in mg/ℓ: 0.002

To convert for CCR, multiply by: 1000

MCL in CCR units: 2

MCLG: 0

Major sources in drinking water: Leaching from PVC piping; discharge from plastics factories.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Health effects language: Some people who drink water containing vinyl chloride in excess of the MCL over many years may have an increased risk of getting cancer.

Contaminant (units): Xylenes (ppm)

Traditional MCL in mg/ℓ: 10

To convert for CCR, multiply by: –

MCL in CCR units: 10

MCLG: 10

Major sources in drinking water: Discharge from petroleum factories; discharge from chemical factories.

Health effects language: Some people who drink water containing xylenes in excess of the MCL over many years could experience damage to their nervous system.

Key.

Abbreviation	Meaning
AL	action level
MCL	maximum contaminant level
MCLG	maximum contaminant level goal
MFL	million fibers per liter
MRDL	maximum residual disinfectant level
MRDLG	maximum residual disinfectant level goal
mrem/year	millirems per year (a measure of radiation absorbed by the body)
N/A	not applicable
NTU	nephelometric turbidity units (a measure of water clarity)
pCi/ℓ	picocuries per liter (a measure of radioactivity)
ppm	parts per million, or milligrams per liter (mg/ℓ)
ppb	parts per billion, or micrograms per liter (μg/ℓ)
ppt	parts per trillion, or nanograms per liter
ppq	parts per quadrillion, or picograms per liter
TT	treatment technique

BOARD NOTE: Derived from appendix A to subpart O to 40 CFR 141 ~~(2012)(2006)~~, as amended at 71 Fed. Reg. 65574 (Nov. 8, 2006).

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Section 611.APPENDIX B Percent Inactivation of G. Lamblia Cysts

Table 1.1
 CT-99.9 for 99.9 Percent Inactivation of Giardia Lamblia
 Cysts by Free Chlorine at 0.5° or Lower

These CT values achieve greater than a 99.99 percent inactivation of viruses. CT values between the indicated pH values may be determined by linear interpolation. CT values between the indicated temperatures of different tables may be determined by linear interpolation. If no interpolation is used, use the CT 99.9 value at the lower temperature and at the higher pH.

Free Residual (mg/l)	pH						
	≤ 6.0	6.5	7.0	7.5	8.0	8.5	≥ 9.0
≤ 0.40-41	137	163	195	237	277	329	390
0.6	141	168	200	239	286	342	407
0.8	145	172	205	246	295	354	422
1.0	148	176	210	253	304	365	437
1.2	152	180	215	259	313	376	451
1.4	155	184	221	266	321	387	464
1.6	157	189	226	273	329	397	477
1.8	162	193	231	279	338	407	489
2.0	165	197	236	286	346	417	500
2.2	169	201	242	297	353	426	511
2.4	172	205	247	298	361	435	522
2.6	175	209	252	304	368	444	533
2.8	178	213	257	310	375	452	543
3.0	181	217	261	316	382	460	552

Table 1.2
 CT-99.9 for 99.9 Percent Inactivation of Giardia Lamblia Cysts by Free Chlorine at 5.0° C

These CT values achieve greater than a 99.99 percent inactivation of viruses. CT values between the indicated pH values may be determined by linear interpolation. CT values between the indicated temperatures of different tables may be determined by linear interpolation. If no interpolation is used, use the CT 99.9 value at the lower temperature and at the higher pH.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Free Residual (mg/l)	pH						
	≤ 6.0	6.5	7.0	7.5	8.0	8.5	≥ 9.0
≤ 0.4	97	117	139	166	198	236	279
0.6	100	120	143	171	204	244	291
0.8	103	122	146	175	210	252	301
1.0	105	125	149	179	216	260	312
1.2	107	127	152	183	221	267	320
1.4	109	130	155	187	227	274	329
1.6	111	132	158	192	232	281	337
1.8	114	135	162	196	238	287	345
2.0	116	138	165	200	243	294	353
2.2	118	140	169	204	248	300	361
2.4	120	143	172	209	253	306	368
2.6	122	146	175	213	258	312	375
2.8	124	148	178	217	263	318	382
3.0	126	151	182	221	268	324	369

Table 1.3

CT-99.9 for 99.9 Percent Inactivation of Giardia Lamblia Cysts by Free Chlorine at 10.0° C

These CT values achieve greater than a 99.99 percent inactivation of viruses. CT values between the indicated pH values may be determined by linear interpolation. CT values between the indicated temperatures of different tables may be determined by linear interpolation. If no interpolation is used, use the CT 99.9 value at the lower temperature and at the higher pH.

Free Residual (mg/l)	pH						
	≤ 6.0	6.5	7.0	7.5	8.0	8.5	≥ 9.0
≤ 0.4	73	88	104	125	149	177	209
0.6	75	90	107	128	153	183	218
0.8	78	92	110	131	158	189	226
1.0	79	94	112	134	162	195	234
1.2	80	95	114	137	166	200	240
1.4	82	98	116	140	170	206	247
1.6	83	99	119	144	174	211	253
1.8	86	101	122	147	179	215	259

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

2.0	87	104	124	150	182	221	265
2.2	89	105	127	153	186	225	271
2.4	90	107	129	157	190	230	276
2.6	92	110	131	160	194	234	281
2.8	93	111	134	163	197	239	287
3.0	95	113	137	166	201	243	292

Table 1.4

CT-99.9 for 99.9 Percent Inactivation of Giardia Lamblia Cysts by Free Chlorine at 15.0° C

These CT values achieve greater than a 99.99 percent inactivation of viruses. CT values between the indicated pH values may be determined by linear interpolation. CT values between the indicated temperatures of different tables may be determined by linear interpolation. If no interpolation is used, use the CT 99.9 value at the lower temperature and at the higher pH.

Free Residual (mg/ℓ)	pH						
	≤ 6.0	6.5	7.0	7.5	8.0	8.5	≥ 9.0
≤ 0.4	49	59	70	83	99	118	140
0.6	50	60	72	86	102	122	146
0.8	52	61	73	88	105	126	151
1.0	53	63	75	90	108	130	156
1.2	54	64	76	92	111	134	160
1.4	55	65	78	94	114	137	165
1.6	56	66	79	96	116	141	169
1.8	57	68	81	98	119	144	173
2.0	58	69	83	100	122	147	177
2.2	59	70	85	102	124	150	181
2.4	60	72	86	105	127	153	184
2.6	61	73	88	107	129	156	188
2.8	62	74	89	109	132	159	191
3.0	63	76	91	111	134	162	195

Table 1.5

CT-99.9 for 99.9 Percent Inactivation of Giardia Lamblia Cysts by Free Chlorine at 20° C

These CT values achieve greater than a 99.99 percent inactivation of viruses. CT values between

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

the indicated pH values may be determined by linear interpolation. CT values between the indicated temperatures of different tables may be determined by linear interpolation. If no interpolation is used, use the CT 99.9 value at the lower temperature and at the higher pH.

Free Residual (mg/l)	pH						
	≤ 6.0	6.5	7.0	7.5	8.0	8.5	≥ 9.0
≤ 0.4	36	44	52	62	74	89	105
0.6	38	45	54	64	77	92	109
0.8	39	46	55	66	79	95	113
1.0	39	47	56	67	81	98	117
1.2	40	48	57	69	83	100	120
1.4	41	49	58	70	85	103	123
1.6	42	50	59	72	87	105	126
1.8	43	51	61	74	89	108	129
2.0	44	52	62	75	91	110	132
2.2	44	53	63	77	93	113	135
2.4	45	54	65	78	95	115	138
2.6	46	55	66	80	97	117	141
2.8	47	56	67	81	99	119	143
3.0	47	57	68	83	101	122	146

Table 1.6
CT-99.9 for 99.9 Percent Inactivation of Giardia Lamblia Cysts
by Free Chlorine at 25° C and Higher

These CT values achieve greater than a 99.99 percent inactivation of viruses. CT values between the indicated pH values may be determined by linear interpolation. CT values between the indicated temperatures of different tables may be determined by linear interpolation. If no interpolation is used, use the CT 99.9 value at the lower temperature and at the higher pH.

Free Residual (mg/l)	pH						
	≤ 6.0	6.5	7.0	7.5	8.0	8.5	≥ 9.0
≤ 0.4	24	29	35	42	50	59	70
0.6	25	30	36	43	51	61	73
0.8	26	31	37	44	53	63	75

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

1.0	26	31	37	45	54	65	78
1.2	27	32	38	46	55	67	80
1.4	27	33	39	47	57	69	82
1.6	28	33	40	48	58	70	84
1.8	29	34	41	49	60	72	86
2.0	29	35	41	50	61	74	88
2.2	30	35	42	51	62	75	90
2.4	30	36	43	52	63	77	92
2.6	31	37	44	53	65	78	94
2.8	31	37	45	54	66	80	96
3.0	32	38	46	55	67	81	97

Table 2.1

CT-99.9 for 99.9 Percent Inactivation of Giardia Lamblia Cysts by Chlorine Dioxide and Ozone

These CT values achieve greater than a 99.99 percent inactivation of viruses. CT values between the indicated pH values may be determined by linear interpolation. If no interpolation is used, use the CT_{99.9} value at the lower temperature for determining CT_{99.9} values between indicated temperatures.

	≤ 1° C	5° C	10° C	15° C	20° C	≥ 25° C
Chlorine dioxide	63	26	23	19	15	11
Ozone	2.9	1.9	1.4	0.95	0.72	0.48

Table 3.1

CT-99.9 for 99.9 Percent Inactivation of Giardia Lamblia Cysts by Chloramines

These values are for pH values of 6 to 9. These CT values may be assumed to achieve greater than a 99.99 percent inactivation of viruses only if chlorine is added and mixed in the water prior to the addition of ammonia. If this condition is not met, the system must demonstrate, based on on-site studies or other information, as approved by the Agency, that the system is achieving at least a 99.99 percent inactivation of viruses. CT values between the indicated temperatures may be determined by linear interpolation. If no interpolation is used, use the CT_{99.9} value at the lower temperature for determining CT_{99.9} values between indicated temperatures.

	≤ 1° C	5° C	10° C	15° C	20° C	≥ 25° C
Chloramines	3800	2200	1850	1500	1100	750

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

| BOARD NOTE: Derived from 40 CFR 141.74(b) Tables 1.1 through 3.1 [\(2012\)](#)~~(2002)~~.

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Section 611.APPENDIX C Common Names of Organic Chemicals

The following common names are used for certain organic chemicals:

Common Name	CAS No.	CAS Name
Aldrin	309-00-2	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha, 4alpha, 4abeta, 5alpha, 8alpha, 8abeta)-
Bromoform	75-25-2	Methane, tribromo-
Chlordane	57-74-9	4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-
Chloroform	67-66-3	Methane, trichloro-
2,4-D	94-75-7	Acetic acid, 2,4-dichlorophenoxy-
DDT	50-29-3	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro-
Dieldrin	60-57-1	2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1alpha, 2beta, 2alpha, 3beta, 6beta, 6alpha, 7beta, 7alpha)-
Endrin	72-20-8	2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1alpha, 2beta, 2abeta, 3alpha, 6alpha, 6abeta, 7beta, 7alpha)-,
Heptachlor	76-44-8	4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-
Heptachlor epoxide	1024-57-3	2,5-Methano-2H-indeno(1,2b) oxirene, 2,3,4,5,6,7,7-heptachloro-1a,1b,5,5a,6,6a-hexahydro-, (1a alpha, 1b beta, 2 alpha, 5 alpha, 5a beta, 6 beta, 6a alpha)-

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Lindane	58-89-9	Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1alpha, 2alpha, 3beta, 4alpha, 5alpha, 6beta)-
Methoxychlor	72-43-5	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-methoxy-
Silvex (2,4,5-TP)	93-72-1	Propanoic acid, 2-(2,4,5-trichlorophenoxy)-
Toxaphene	8001-35-2	Toxaphene
TTHM	Total trihalomethanes (See Section 611.101)	

| BOARD NOTE: Derived from 40 CFR 141.30 and 261, appendix VIII [\(2012\)](#)~~(2006)~~.

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Section 611.APPENDIX D Defined Substrate Method for the Simultaneous Detection of Total Coliforms and Escherichia Coli from Drinking Water

Autoanalysis Colilert Presence-Absence (AC P-A) Method.

The AC P-A test format must be either a 100 ml 10-tube most probable number test (one tube positive denoting the presence of total coliforms in that sample) or a single vessel containing sufficient reagent to receive 100 ml of sample. The reagent is available from Access Medical Systems, Branford Connecticut.

The AC P-A method must be performed as follows:

1. For the 10-tube method, add 10 ml of water sample to each test tube. For the single-vessel method, add 100 ml of water sample to the vessel.
2. Dissolve the reagent powder by agitation. (This should produce a colorless solution.)
3. Incubate the test tubes or vessel at 35° C for 24 hours.
4. Development of yellow during incubation denotes the presence of total coliforms in either the test tube or the vessel.
5. Expose each positive (yellow) test tube or vessel to a fluorescent (366 nm) light source. Fluorescence specifically demonstrates the presence of Escherichia coli.

BOARD NOTE: Derived from S. Edberg, M. Allen & D. Smith, "National Field Evaluation of a Defined Substrate Method for the Simultaneous Detection of Total Coliforms and Escherichia coli from Drinking Water: Comparison with Presence-Absence Techniques," Applied and Environmental Microbiology, vol. 55, pp. 1003-1008, as incorporated by reference in Section 611.102(b) [\(2012\)](#)~~(2004)~~. This method is for use in conjunction with the requirements of Section 611.526.

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Section 611.APPENDIX E Mandatory Lead Public Education Information for Community Water Systems

1) INTRODUCTION

The United States Environmental Protection Agency (USEPA) and (insert name of water supplier) are concerned about lead in your drinking water. Although most homes have very low levels of lead in their drinking water, some homes in the community have lead levels above the USEPA action level of 15 parts per billion (ppb), or 0.015 milligrams of lead per liter of water (mg/l). Under Federal law we are required to have a program in place to minimize lead in your drinking water by (insert date when corrosion control will be completed for your system). This program includes corrosion control treatment, source water treatment, and public education. We are also required to replace the portion of each lead service line that we own if the line contributes lead concentrations of more than 15 ppb after we have completed the comprehensive treatment program. If you have any questions about how we are carrying out the requirements of the lead regulation please give us a call at (insert water system's phone number). This brochure explains the simple steps you can take to protect you and your family by reducing your exposure to lead in drinking water.

2) HEALTH EFFECTS OF LEAD

Lead is a common metal found throughout the environment in lead-based paint; air; soil; household dust; food; certain types of pottery, porcelain, and pewter; and water. Lead can pose a significant risk to your health if too much of it enters your body. Lead builds up in the body over many years and can cause damage to the brain, red blood cells, and kidneys. The greatest risk is to young children and pregnant women. Amounts of lead that won't hurt adults can slow down normal mental and physical development of growing bodies. In addition, a child at play often comes into contact with sources of lead contamination – like dirt and dust – that rarely affect an adult. It is important to wash children's hands and toys often, and to try to make sure they only put food in their mouths.

3) LEAD IN DRINKING WATER

- A) Lead in drinking water, although rarely the sole cause of lead poisoning, can significantly increase a person's total lead exposure, particularly the exposure of infants who drink baby formulas and concentrated juices that are mixed with water. The EPA estimates that drinking water can make up 20 percent or more of a person's total exposure to lead.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- B) Lead is unusual among drinking water contaminants in that it seldom occurs naturally in water supplies like rivers and lakes. Lead enters drinking water primarily as a result of the corrosion, or wearing away, of materials containing lead in the water distribution system and household plumbing. These materials include lead-based solder used to join copper pipe, brass and chrome plated brass faucets, and in some cases, pipes made of lead that connect your house to the water main (service lines). In 1986, Congress banned the use of lead solder containing greater than 0.2% lead, and restricted the lead content of faucets, pipes and other plumbing materials to 8.0%.
- C) When water stands in lead pipes or plumbing systems containing lead for several hours or more, the lead may dissolve into your drinking water. This means the first water drawn from the tap in the morning, or later in the afternoon after returning from work or school, can contain fairly high levels of lead.
- 4) STEPS YOU CAN TAKE IN THE HOME TO REDUCE EXPOSURE TO LEAD IN DRINKING WATER
- A) Despite our best efforts mentioned earlier to control water corrosivity and remove lead from the water supply, lead levels in some homes or buildings can be high. To find out whether you need to take action in your own home, have your drinking water tested to determine if it contains excessive concentrations of lead. Testing the water is essential because you cannot see, taste, or smell lead in drinking water. Some local laboratories that can provide this service are listed at the end of this booklet. For more information on having your water tested, please call (insert phone number of water system).
- B) If a water test indicates that the drinking water drawn from a tap in your home contains lead above 15 ppb, then you should take the following precautions:
- i) Let the water run from the tap before using it for drinking or cooking any time the water in a faucet has gone unused for more than six hours. The longer water resides in your home's plumbing the more lead it may contain. Flushing the tap means running the cold water faucet until the water gets noticeably colder, usually about 15-30 seconds. If your house has a lead service line to the water main, you may have to flush the water for a longer time, perhaps one minute, before drinking. Although toilet flushing or showering flushes water through a portion of your home's plumbing system, you still need to flush the water in each faucet before

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

using it for drinking or cooking. Flushing tap water is a simple and inexpensive measure you can take to protect your family's health. It usually uses less than one or two gallons of water and costs less than (insert a cost estimate based on flushing two times a day for 30 days) per month. To conserve water, fill a couple of bottles for drinking water after flushing the tap, and whenever possible use the first flush water to wash the dishes or water the plants. If you live in a high-rise building, letting the water flow before using it may not work to lessen your risk from lead. The plumbing systems have more, and sometimes larger pipes than smaller buildings. Ask your landlord for help in locating the source of the lead and for advice on reducing the lead level.

- ii) Try not to cook with or drink water from the hot water tap. Hot water can dissolve more lead more quickly than cold water. If you need hot water, draw water from the cold tap and heat it on the stove.
- iii) Remove loose lead solder and debris from the plumbing materials installed in newly constructed homes, or homes in which the plumbing has recently been replaced, by removing the faucet strainers from all taps and running the water from 3 to 5 minutes. Thereafter, periodically remove the strainers and flush out any debris that has accumulated over time.
- iv) If your copper pipes are joined with lead solder that has been installed illegally since it was banned in 1986, notify the plumber who did the work and request that he or she replace the lead solder with lead-free solder. Lead solder looks dull gray, and when scratched with a key looks shiny. In addition, notify the Illinois Environmental Protection Agency about the violation.
- v) Determine whether or not the service line that connects your home or apartment to the water main is made of lead. The best way to determine if your service line is made of lead is by either hiring a licensed plumber to inspect the line or by contacting the plumbing contractor who installed the line. You can identify the plumbing contractor by checking the city's record of building permits which should be maintained in the files of the (insert name of department that issues building permits). A licensed plumber can at the same time check to see if your home's plumbing contains lead solder, lead pipes, or pipe fittings that contain lead. The public water system that delivers water to your home should also maintain

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

records of the materials located in the distribution system. If the service line that connects your dwelling to the water main contributes more than 15 ppb to drinking water, after our comprehensive treatment program is in place, we are required to replace the portion of the line that we own. If the line is only partially owned by the (insert name of the city, county, or water system that controls the line), we are required to provide the owner of the privately-owned portion of the line with information on how to replace the privately-owned portion of the service line, and offer to replace that portion of the line at the owner's expense. If we replace only the portion of the line that we own, we also are required to notify you in advance and provide you with information on the steps that you can take to minimize exposure to any temporary increase in lead levels which may result from the partial replacement, to take a follow-up sample at our expense from the line within 72 hours after the partial replacement, and to mail or otherwise provide you with the results of that sample within three business days after receiving the results. Acceptable replacement alternatives include copper, steel, iron, and plastic pipes.

- vi) Have an electrician check your wiring. If grounding wires from the electrical system are attached to your pipes, corrosion may be greater. Check with a licensed electrician or your local electrical code to determine if your wiring can be grounded elsewhere. DO NOT attempt to change the wiring yourself because improper grounding can cause electrical shock and fire hazards.
- C) The steps described above will reduce the lead concentrations in your drinking water. However, if a water test indicates that the drinking water coming from your tap contains lead concentrations in excess of 15 ppb after flushing, or after we have completed our actions to minimize lead levels, then you may want to take the following additional measures:
- i) Purchase or lease a home treatment device. Home treatment devices are limited in that each unit treats only the water that flows from the faucet to which it is connected, and all of the devices require periodic maintenance and replacement. Devices such as reverse osmosis systems or distillers can effectively remove lead from your drinking water. Some activated carbon filters may reduce lead levels at the tap, however all lead reduction claims should be investigated. Be sure to check the actual performance of a specific home treatment device before and after installing the unit.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- ii) Purchase bottled water for drinking and cooking.
- D) You can consult a variety of sources for additional information. Your family doctor or pediatrician can perform a blood test for lead and provide you with information about the health effects of lead. State and local government agencies that can be contacted include the following:
- i) (Insert the name of city or county department of public utilities) at (insert phone number) can provide you with information about your community's water supply, and a list of local laboratories that have been certified by EPA for testing water quality;
 - ii) (Insert the name of city or county department that issues building permits) at (insert phone number) can provide you with information about building permit records that should contain the names of plumbing contractors that plumbed your home; and
 - iii) The Illinois Department of Public Health at 217-782-4977 or 312-814-2608 or the (insert the name of the city or county health department) at (insert phone number) can provide you with information about the health effects of lead and how you can have your child's blood tested.
- E) The following is a list of some State-approved laboratories in your area that you can call to have your water tested for lead. (Insert names and phone numbers of at least two laboratories.)

| BOARD NOTE: Derived from 40 CFR 141.85(a)(1) [\(2012\)\(2002\)](#).

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Section 611.APPENDIX G NPDWR Violations and Situations Requiring Public Notice

See note 1 at the end of this Appendix G for an explanation of the Agency's authority to alter the magnitude of a violation from that set forth in the following table.

Contaminant	MCL/MRDL/TT violations ²		Monitoring & testing procedure violations	
	Tier of public notice required	Citation	Tier of public notice required	Citation

I. Violations of National Primary Drinking Water Regulations (NPDWR):³

A. Microbiological Contaminants

1. Total coliform	2	611.325(a)	3	611.521-611.525
2. Fecal coliform/E. coli	1	611.325(b)	⁴ 1, 3	611.525
3. Turbidity MCL	2	611.320(a)	3	611.560
4. Turbidity MCL (average of two days' samples greater than 5 NTU)	⁵ 2, 1	611.320(b)	3	611.560
5. Turbidity (for TT violations resulting from a single exceedence of maximum allowable turbidity level)	⁶ 2, 1	611.231(b), 611.233(b)(1), 611.250(a)(2), 611.250(b)(2), 611.250(c)(2), 611.250(d), 611.743(a)(2), 611.743(b), 611.955(b)(2)	3	611.531(a), 611.532(b), 611.533(a), 611.744, 611.956(a)(1)- (a)(3), 611.956(b)
6. Surface Water Treatment Rule violations, other than violations resulting from single exceedence of max. allowable turbidity level (TT)	2	611.211, 611.213, 611.220, 611.230- 611.233, 611.240- 611.242, 611.250	3	611.531- 611.533

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

7. Interim Enhanced Surface Water Treatment Rule violations, other than violations resulting from single exceedence of max. turbidity level (TT)	2	⁷ 611.740-611.743, 611.950-611.955	3	611.742, 611.744, 611.953, 611.954, 611.956
8. Filter Backwash Recycling Rule violations	2	611.276(c)	3	611.276(b), (d)
9. Long Term 1 Enhanced Surface Water Treatment Rule violations	2	611.950-611.955	3	611.953, 611.954, 611.956
10. LT2ESWTR violations	2	611.1010-611.1020	1922 2, 3	611.1001-611.1005 and 611.1008-611.1009
11. Groundwater Rule violations	2	611.804	3	611.802(h)

B. Inorganic Chemicals (IOCs)

1. Antimony	2	611.301(b)	3	611.600, 611.601, 611.603
2. Arsenic	2	⁸ 611.301(b)	3	611.601, 611.603 611.612(a), 611.612(b)
3. Asbestos (fibers greater than 10 µm)	2	611.301(b)	3	611.600, 611.601, 611.602
4. Barium	2	611.301(b)	3	611.600, 611.601, 611.603
5. Beryllium	2	611.301(b)	3	611.600, 611.601, 611.603
6. Cadmium	2	611.301(b)	3	611.600, 611.601, 611.603

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

7. Chromium (total)	2	611.301(b)	3	611.600, 611.601, 611.603
8. Cyanide	2	611.301(b)	3	611.600, 611.601, 611.603
9. Fluoride	2	611.301(b)	3	611.600, 611.601, 611.603
10. Mercury (inorganic)	2	611.301(b)	3	611.600, 611.601, 611.603
11. Nitrate	1	611.301(b)	8+2 1, 3	611.600, 611.601, 611.604, 611.606
12. Nitrite	1	611.301(b)	8+2 1, 3	611.600, 611.601, 611.605, 611.606
13. Total Nitrate and Nitrite	1	611.301(b)	3	611.600, 611.601
14. Selenium	2	611.301(b)	3	611.600, 611.601, 611.603
15. Thallium	2	611.301(b)	3	611.600, 611.601, 611.603

C. Lead and Copper Rule (Action Level for lead is 0.015 mg/ℓ, for copper is 1.3 mg/ℓ)

1. Lead and Copper Rule (TT)	2	611.350- 611.355	3	611.356- 611.359
------------------------------	---	---------------------	---	---------------------

D. Synthetic Organic Chemicals (SOCs)

1. 2,4-D	2	611.310(c)	3	611.648
2. 2,4,5-TP (silvex)	2	611.310(c)	3	611.648
3. Alachlor	2	611.310(c)	3	611.648
4. Atrazine	2	611.310(c)	3	611.648

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

5. Benzo(a)pyrene (PAHs)	2	611.310(c)	3	611.648
6. Carbofuran	2	611.310(c)	3	611.648
7. Chlordane	2	611.310(c)	3	611.648
8. Dalapon	2	611.310(c)	3	611.648
9. Di(2-ethylhexyl)adipate	2	611.310(c)	3	611.648
10. Di(2-ethylhexyl)phthalate	2	611.310(c)	3	611.648
11. Dibromochloropropane (DBCP)	2	611.310(c)	3	611.648
12. Dinoseb	2	611.310(c)	3	611.648
13. Dioxin (2,3,7,8-TCDD)	2	611.310(c)	3	611.648
14. Diquat	2	611.310(c)	3	611.648
15. Endothall	2	611.310(c)	3	611.648
16. Endrin	2	611.310(c)	3	611.648
17. Ethylene dibromide	2	611.310(c)	3	611.648
18. Glyphosate	2	611.310(c)	3	611.648
19. Heptachlor	2	611.310(c)	3	611.648
20. Heptachlor epoxide	2	611.310(c)	3	611.648
21. Hexachlorobenzene	2	611.310(c)	3	611.648
22. Hexachlorocyclopentadiene	2	611.310(c)	3	611.648
23. Lindane	2	611.310(c)	3	611.648
24. Methoxychlor	2	611.310(c)	3	611.648
25. Oxamyl (Vydate)	2	611.310(c)	3	611.648
26. Pentachlorophenol	2	611.310(c)	3	611.648
27. Picloram	2	611.310(c)	3	611.648
28. Polychlorinated biphenyls (PCBs)	2	611.310(c)	3	611.648
29. Simazine	2	611.310(c)	3	611.648
30. Toxaphene	2	611.310(c)	3	611.648

E. Volatile Organic Chemicals (VOCs)

1. Benzene	2	611.310(a)	3	611.646
2. Carbon tetrachloride	2	611.310(a)	3	611.646
3. Chlorobenzene (monochlorobenzene)	2	611.310(a)	3	611.646
4. o-Dichlorobenzene	2	611.310(a)	3	611.646
5. p-Dichlorobenzene	2	611.310(a)	3	611.646
6. 1,2-Dichloroethane	2	611.310(a)	3	611.646

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

7. 1,1-Dichloroethylene	2	611.310(a)	3	611.646
8. cis-1,2-Dichloroethylene	2	611.310(a)	3	611.646
9. trans-1,2-Dichloroethylene	2	611.310(a)	3	611.646
10. Dichloromethane	2	611.310(a)	3	611.646
11. 1,2-Dichloropropane	2	611.310(a)	3	611.646
12. Ethylbenzene	2	611.310(a)	3	611.646
13. Styrene	2	611.310(a)	3	611.646
14. Tetrachloroethylene	2	611.310(a)	3	611.646
15. Toluene	2	611.310(a)	3	611.646
16. 1,2,4-Trichlorobenzene	2	611.310(a)	3	611.646
17. 1,1,1-Trichloroethane	2	611.310(a)	3	611.646
18. 1,1,2-Trichloroethane	2	611.310(a)	3	611.646
19. Trichloroethylene	2	611.310(a)	3	611.646
20. Vinyl chloride	2	611.310(a)	3	611.646
21. Xylenes (total)	2	611.310(a)	3	611.646

F. Radioactive Contaminants

1. Beta/photon emitters	2	611.330(d)	3	611.720(a), 611.732
2. Alpha emitters	2	611.330(c)	3	611.720(a), 611.731
3. Combined radium (226 & 228)	2	611.330(b)	3	611.720(a), 611.731
4. Uranium	2	611.330(e)	3	611.720(a), 611.731

G. Disinfection Byproducts (DBPs), Byproduct Precursors, Disinfectant Residuals. Where disinfection is used in the treatment of drinking water, disinfectants combine with organic and inorganic matter present in water to form chemicals called disinfection byproducts (DBPs). USEPA sets standards for controlling the levels of disinfectants and DBPs in drinking water, including trihalomethanes (THMs) and haloacetic acids (HAAs).¹³

1. Total trihalomethanes (TTHMs)	2	1144 611.312(b)	3	Subparts W and Y of this Part
2. Haloacetic Acids (HAA5)	2	611.312(b)	3	Subpart Y of this Part
3. Bromate	2	611.312(a)	3	611.382(a)-(b)
4. Chlorite	2	611.312(a)	3	611.382(a)-(b)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

5. Chlorine (MRDL)	2	611.313(a)	3	611.382(a), (c)
6. Chloramine (MRDL)	2	611.313(a)	3	611.382(a), (c)
7. Chlorine dioxide (MRDL), where any two consecutive daily samples at entrance to distribution system only are above MRDL	2	611.313(a), 611.383(c)(3)	2 ¹²⁴⁵ , 3	611.382(a), (c), 611.383(c)(2)
8. Chlorine dioxide (MRDL), where samples in distribution system the next day are also above MRDL	¹³⁴⁶ 1	611.313(a), 611.383(c)(3)	1	611.382(a), (c), 611.383(c)(2)
9. Control of DBP precursors – TOC (TT)	2	611.385(a)-(b)	3	611.382(a), (d)
10. Benchmarking and disinfection profiling	N/A	N/A	3	611.742, 611.953, 611.954
11. Development of monitoring plan	N/A	N/A	3	611.382(f)

H. Other Treatment Techniques

1. Acrylamide (TT)	2	611.296	N/A	N/A
2. Epichlorohydrin (TT)	2	611.296	N/A	N/A

II. Unregulated Contaminant Monitoring: ¹⁴¹⁷

A. Unregulated contaminants	N/A	N/A	3	611.510
B. Nickel	N/A	N/A	3	611.603, 611.611

III. Public Notification for Relief Equivalent to a SDWA section 1415 Variance or a section 1416 Exemption.

A. Operation under relief equivalent to a SDWA section 1415 variance or a section 1416 exemption	3	¹⁵⁴⁸ 1415, 1416	N/A	N/A
B. Violation of conditions of relief equivalent to a SDWA section 1415 variance or a section 1416 exemption	2	1415, 1416, ¹⁶⁴⁹ 611.111, 611.112	N/A	N/A

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

IV. Other Situations Requiring Public Notification.

A. Fluoride secondary maximum contaminant level (SMCL) exceedence	3	611.858	N/A	N/A
B. Exceedence of nitrate MCL for a non-CWS supplier, as allowed by the Agency	1	611.300(d)	N/A	N/A
C. Availability of unregulated contaminant monitoring data	3	611.510	N/A	N/A
D. Waterborne disease outbreak	1	611.101, 611.233(b)(2)	N/A	N/A
E. Other waterborne emergency 1720	1	N/A	N/A	N/A
F. Source water sample positive for Groundwater Rule fecal indicators: E. coli, enterococci, or coliphage	1	611.802(g)	N/A	N/A
G. Other situations as determined by the Agency by a SEP issued pursuant to Section 611.110	1821 1, 2, 3	N/A	N/A	N/A

Appendix G – Endnotes

- Violations and other situations not listed in this table (e.g., failure to prepare Consumer Confidence Reports) do not require notice, unless otherwise determined by the Agency by a SEP issued pursuant to Section 611.110. The Agency may, by a SEP issued pursuant to Section 611.110, further require a more stringent public notice tier (e.g., Tier 1 instead of Tier 2 or Tier 2 instead of Tier 3) for specific violations and situations listed in this Appendix, as authorized under Sections 611.902(a) and 611.903(a).
- Definition of the abbreviations used: "MCL" means maximum contaminant level, "MRDL" means maximum residual disinfectant level, and "TT" means treatment technique.
- The term "violations of National Primary Drinking Water Regulations (NPDWR)" is used here to include violations of MCL, MRDL, treatment technique, monitoring, and testing procedure requirements.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

4. Failure to test for fecal coliform or E. coli is a Tier 1 violation if testing is not done after any repeat sample tests positive for coliform. All other total coliform monitoring and testing procedure violations are Tier 3 violations.
5. A supplier that violates the turbidity MCL of 5 NTU based on an average of measurements over two consecutive days must consult with the Agency within 24 hours after learning of the violation. Based on this consultation, the Agency may subsequently decide to issue a SEP pursuant to Section 611.110 that elevates the violation to a Tier 1 violation. If a supplier is unable to make contact with the Agency in the 24-hour period, the violation is automatically elevated to a Tier 1 violation.
6. A supplier with a treatment technique violation involving a single exceedence of a maximum turbidity limit under the Surface Water Treatment Rule (SWTR), the Interim Enhanced Surface Water Treatment Rule (IESWTR), or the Long Term 1 Enhanced Surface Water Treatment Rule are required to consult with the Agency within 24 hours after learning of the violation. Based on this consultation, the Agency may subsequently decide to issue a SEP pursuant to Section 611.110 that elevates the violation to a Tier 1 violation. If a supplier is unable to make contact with the Agency in the 24-hour period, the violation is automatically elevated to a Tier 1 violation.
7. The Surface Water Treatment Rule (SWTR) remains in effect for a supplier that serves at least 10,000 persons ; the Interim Enhanced Surface Water Treatment Rule adds additional requirements and does not in many cases supercede the SWTR.
8. ~~This endnote 8 corresponds with the endnote to the table in appendix A to subpart Q of 40 CFR 141 (2006), which stated a past effective date. This statement maintains structural consistency with the federal regulations.~~
9. ~~This endnote 8 corresponds with the endnote to the table in appendix A to subpart Q of 40 CFR 141 (2006), which stated a past effective date. This statement maintains structural consistency with the federal regulations.~~
- 8.10. Failure to take a confirmation sample within 24 hours for nitrate or nitrite after an initial sample exceeds the MCL is a Tier 1 violation. Other monitoring violations for nitrate are Tier 3.
11. ~~This endnote 11 corresponds with the endnote to the table in appendix A to subpart Q of 40 CFR 141 (2006), which stated a past effective date. This statement maintains~~

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

~~structural consistency with the federal regulations.~~

- ~~9.12.~~ Failure to take a confirmation sample within 24 hours for nitrate or nitrite after an initial sample exceeds the MCL is a Tier 1 violation. Other monitoring violations for nitrate are Tier 3.
- ~~10.13.~~ A Subpart B community or non-transient non-community system supplier must comply with new DBP MCLs, disinfectant MRDLs, and related monitoring requirements. A Subpart B transient non-community system supplier that serves 10,000 or more persons that uses chlorine dioxide as a disinfectant or oxidant or a Subpart B transient non-community system supplier that serves fewer than 10,000 persons, which uses only groundwater not under the direct influence of surface water, and which uses chlorine dioxide as a disinfectant or oxidant must comply with the chlorine dioxide MRDL.
- ~~11.14.~~ Sections 611.312(b)(1) and 611.382(a) and (b) apply until Subpart Y of this Part takes effect under the schedule set forth in Section 611.970(c).
- ~~12.15.~~ Failure to monitor for chlorine dioxide at the entrance to the distribution system the day after exceeding the MRDL at the entrance to the distribution system is a Tier 2 violation.
- ~~13.16.~~ If any daily sample taken at the entrance to the distribution system exceeds the MRDL for chlorine dioxide and one or more samples taken in the distribution system the next day exceed the MRDL, Tier 1 notification is required. A failure to take the required samples in the distribution system after the MRDL is exceeded at the entry point also triggers Tier 1 notification.
- ~~14.17.~~ Some water suppliers must monitor for certain unregulated contaminants listed in Section 611.510.
- ~~15.18.~~ This citation refers to sections 1415 and 1416 of the federal Safe Drinking Water Act. sections 1415 and 1416 require that "a schedule prescribed...for a public water system granted relief equivalent to a SDWA section 1415 variance or a section 1416 exemption must require compliance by the system...."
- ~~16.19.~~ In addition to sections 1415 and 1416 of the federal Safe Drinking Water Act, 40 CFR 142.307 specifies the items and schedule milestones that must be included in relief equivalent to a SDWA section 1415 small system variance. In granting any form of relief from an NPDWR, the Board will consider all applicable federal requirements for and limitations on the State's ability to grant relief consistent with federal law.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- | ~~17.20.~~ Other waterborne emergencies require a Tier 1 public notice under Section 611.902(a) for situations that do not meet the definition of a waterborne disease outbreak given in Section 611.101, but which still have the potential to have serious adverse effects on health as a result of short-term exposure. These could include outbreaks not related to treatment deficiencies, as well as situations that have the potential to cause outbreaks, such as failures or significant interruption in water treatment processes, natural disasters that disrupt the water supply or distribution system, chemical spills, or unexpected loading of possible pathogens into the source water.
- | ~~18.21.~~ The Agency may place any other situation in any tier it deems appropriate in writing, based on the prospective threat which it determines that the situation poses to public health, and subject to Board review pursuant to Section 40 of the Act [415 ILCS 5/40].
- | ~~19.22.~~ A failure to collect three or more samples for Cryptosporidium analysis is a Tier 2 violation requiring special notice, as specified in Section 611.911. All other monitoring and testing procedure violations are Tier 3.
- | BOARD NOTE: Derived from Appendix A to Subpart Q to 40 CFR 141 (~~20122006~~).

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Section 611.APPENDIX H Standard Health Effects Language for Public Notification

Contaminant	MCLG ¹ mg/ℓ	MCL ² mg/ℓ	Standard health effects language for public notification
National Primary Drinking Water Regulations (NPDWR):			
A. Microbiological Contaminants			
1a. Total coliform	Zero	See footnote 3	Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems.
1b. Fecal coliform/E. coli	Zero	Zero	Fecal coliforms and E. coli are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Microbes in these wastes can cause short-term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a special health risk for infants, young children, some of the elderly, and people with severely compromised immune systems.
1c. Fecal indicators (GWR): i. E. coli ii. enterococci iii. coliphage	Zero None None	TT TT TT	Fecal indicators are microbes whose presence indicates that the water may be contaminated with human or animal wastes. Microbes in these wastes can cause short-term health effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a special health risk for infants, young children, some of the elderly, and people with severely compromised immune systems.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

1d. Groundwater Rule TT violations	None	TT	Inadequately treated or inadequately protected water may contain disease-causing organisms. These organisms can cause symptoms such as diarrhea, nausea, cramps, and associated headaches.
2a. Turbidity (MCL) ⁴	None	1 NTU ⁵ /5 NTU	Turbidity has no health effects. However, turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.
2b. Turbidity (SWTR TT)	None	TT ⁷	Turbidity has no health effects. However, ⁶ turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.
2c. Turbidity (IESWTR TT and LT1ESWTR TT)	None	TT	Turbidity has no health effects. However, ⁸ turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

B. Surface Water Treatment Rule (SWTR), Interim Enhanced Surface Water Treatment Rule (IESWTR), Long Term 1 Enhanced Surface Water Treatment Rule (LT1ESWTR), and Filter Backwash Recycling Rule (FBRR) violations:			
3. <i>Giardia lamblia</i> (SWTR/IESWTR/ LT1ESWTR)	Zero	TT ¹⁰	Inadequately treated water may contain disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.
4. Viruses (SWTR/IESWTR/ LT1ESWTR)			Inadequately treated water may contain disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.
5. Heterotrophic plate count (HPC) bacteria ⁹ (SWTR/IESWTR/ LT1ESWTR)			Inadequately treated water may contain disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.
6. <i>Legionella</i> (SWTR/IESWTR/ LT1ESWTR)			Inadequately treated water may contain disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.
7. <i>Cryptosporidium</i> (IESWTR/FBRR/ LT1ESWTR)			Inadequately treated water may contain disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

C. Inorganic Chemicals (IOCs)			
8. Antimony	0.006	0.006	Some people who drink water containing antimony well in excess of the MCL over many years could experience increases in blood cholesterol and decreases in blood sugar.
9. Arsenic ¹¹	0	0.010	Some people who drink water containing arsenic in excess of the MCL over many years could experience skin damage or problems with their circulatory system, and may have an increased risk of getting cancer.
10. Asbestos (10 µm)	7 MFL ^{11,12}	7 MFL	Some people who drink water containing asbestos in excess of the MCL over many years may have an increased risk of developing benign intestinal polyps.
11. Barium	2	2	Some people who drink water containing barium in excess of the MCL over many years could experience an increase in their blood pressure.
12. Beryllium	0.004	0.004	Some people who drink water containing beryllium well in excess of the MCL over many years could develop intestinal lesions.
13. Cadmium	0.005	0.005	Some people who drink water containing cadmium in excess of the MCL over many years could experience kidney damage.
14. Chromium (total)	0.1	0.1	Some people who use water containing chromium well in excess of the MCL over many years could experience allergic dermatitis.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

15. Cyanide	0.2	0.2	Some people who drink water containing cyanide well in excess of the MCL over many years could experience nerve damage or problems with their thyroid.
16. Fluoride	4.0	4.0	Some people who drink water containing fluoride in excess of the MCL over many years could get bone disease, including pain and tenderness of the bones. Fluoride in drinking water at half the MCL or more may cause mottling of children's teeth, usually in children less than nine years old. Mottling, also known as dental fluorosis, may include brown staining or pitting of the teeth, and occurs only in developing teeth before they erupt from the gums.
17. Mercury (inorganic)	0.002	0.002	Some people who drink water containing inorganic mercury well in excess of the MCL over many years could experience kidney damage.
18. Nitrate	10	10	Infants below the age of six months who drink water containing nitrate in excess of the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blue baby syndrome.
19. Nitrite	1	1	Infants below the age of six months who drink water containing nitrite in excess of the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blue baby syndrome.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

20. Total Nitrate and Nitrite	10	10	Infants below the age of six months who drink water containing nitrate and nitrite in excess of the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blue baby syndrome.
21. Selenium	0.05	0.05	Selenium is an essential nutrient. However, some people who drink water containing selenium in excess of the MCL over many years could experience hair or fingernail losses, numbness in fingers or toes, or problems with their circulation.
22. Thallium	0.0005	0.002	Some people who drink water containing thallium in excess of the MCL over many years could experience hair loss, changes in their blood, or problems with their kidneys, intestines, or liver.
D. Lead and Copper Rule			
23. Lead	Zero	TT ¹²¹³	Infants and children who drink water containing lead in excess of the action level could experience delays in their physical or mental development. Children could show slight deficits in attention span and learning abilities. Adults who drink this water over many years could develop kidney problems or high blood pressure.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

24. Copper	1.3	TT 1344	Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years could suffer liver or kidney damage. People with Wilson's Disease should consult their personal doctor.
E. Synthetic Organic Chemicals (SOCs)			
25. 2,4-D	0.07	0.07	Some people who drink water containing the weed killer 2,4-D well in excess of the MCL over many years could experience problems with their kidneys, liver, or adrenal glands.
26. 2,4,5-TP (silvex)	0.05	0.05	Some people who drink water containing silvex in excess of the MCL over many years could experience liver problems.
27. Alachlor	Zero	0.002	Some people who drink water containing alachlor in excess of the MCL over many years could have problems with their eyes, liver, kidneys, or spleen, or experience anemia, and may have an increased risk of getting cancer.
28. Atrazine	0.003	0.003	Some people who drink water containing atrazine well in excess of the MCL over many years could experience problems with their cardiovascular system or reproductive difficulties.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

29. Benzo(a)pyrene (PAHs).	Zero	0.0002	Some people who drink water containing benzo(a)pyrene in excess of the MCL over many years may experience reproductive difficulties and may have an increased risk of getting cancer.
30. Carbofuran	0.04	0.04	Some people who drink water containing carbofuran in excess of the MCL over many years could experience problems with their blood, or nervous or reproductive systems.
31. Chlordane	Zero	0.002	Some people who drink water containing chlordane in excess of the MCL over many years could experience problems with their liver or nervous system, and may have an increased risk of getting cancer.
32. Dalapon	0.2	0.2	Some people who drink water containing dalapon well in excess of the MCL over many years could experience minor kidney changes.
33. Di(2-ethylhexyl)adipate	0.4	0.4	Some people who drink water containing di(2-ethylhexyl)adipate well in excess of the MCL over many years could experience toxic effects, such as weight loss, liver enlargement, or possible reproductive difficulties.
34. Di(2-ethylhexyl) phthalate	Zero	0.006	Some people who drink water containing di(2-ethylhexyl) phthalate well in excess of the MCL over many years may have problems with their liver or experience reproductive difficulties, and they may have an increased risk of getting cancer.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

35. Dibromochloropropane (DBCP)	Zero	0.0002	Some people who drink water containing DBCP in excess of the MCL over many years could experience reproductive difficulties and may have an increased risk of getting cancer.
36. Dinoseb	0.007	0.007	Some people who drink water containing dinoseb well in excess of the MCL over many years could experience reproductive difficulties.
37. Dioxin (2,3,7,8-TCDD)	Zero	3×10^{-8}	Some people who drink water containing dioxin in excess of the MCL over many years could experience reproductive difficulties and may have an increased risk of getting cancer.
38. Diquat	0.02	0.02	Some people who drink water containing diquat in excess of the MCL over many years could get cataracts.
39. Endothall	0.1	0.1	Some people who drink water containing endothall in excess of the MCL over many years could experience problems with their stomach or intestines.
40. Endrin	0.002	0.002	Some people who drink water containing endrin in excess of the MCL over many years could experience liver problems.
41. Ethylene dibromide	Zero	0.00005	Some people who drink water containing ethylene dibromide in excess of the MCL over many years could experience problems with their liver, stomach, reproductive system, or kidneys, and may have an increased risk of getting cancer.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

42. Glyphosate	0.7	0.7	Some people who drink water containing glyphosate in excess of the MCL over many years could experience problems with their kidneys or reproductive difficulties.
43. Heptachlor	Zero	0.0004	Some people who drink water containing heptachlor in excess of the MCL over many years could experience liver damage and may have an increased risk of getting cancer.
44. Heptachlor epoxide	Zero	0.0002	Some people who drink water containing heptachlor epoxide in excess of the MCL over many years could experience liver damage, and may have an increased risk of getting cancer.
45. Hexachlorobenzene	Zero	0.001	Some people who drink water containing hexachlorobenzene in excess of the MCL over many years could experience problems with their liver or kidneys, or adverse reproductive effects, and may have an increased risk of getting cancer.
46. Hexachlorocyclopentadiene	0.05	0.05	Some people who drink water containing hexachlorocyclopentadiene well in excess of the MCL over many years could experience problems with their kidneys or stomach.
47. Lindane	0.0002	0.0002	Some people who drink water containing lindane in excess of the MCL over many years could experience problems with their kidneys or liver.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

48. Methoxychlor	0.04	0.04	Some people who drink water containing methoxychlor in excess of the MCL over many years could experience reproductive difficulties.
49. Oxamyl (Vydate)	0.2	0.2	Some people who drink water containing oxamyl in excess of the MCL over many years could experience slight nervous system effects.
50. Pentachlorophenol	Zero	0.001	Some people who drink water containing pentachlorophenol in excess of the MCL over many years could experience problems with their liver or kidneys, and may have an increased risk of getting cancer.
51. Picloram	0.5	0.5	Some people who drink water containing picloram in excess of the MCL over many years could experience problems with their liver.
52. Polychlorinated biphenyls (PCBs)	Zero	0.0005	Some people who drink water containing PCBs in excess of the MCL over many years could experience changes in their skin, problems with their thymus gland, immune deficiencies, or reproductive or nervous system difficulties, and may have an increased risk of getting cancer.
53. Simazine	0.004	0.004	Some people who drink water containing simazine in excess of the MCL over many years could experience problems with their blood.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

54. Toxaphene	Zero	0.003	Some people who drink water containing toxaphene in excess of the MCL over many years could have problems with their kidneys, liver, or thyroid, and may have an increased risk of getting cancer.
F. Volatile Organic Chemicals (VOCs)			
55. Benzene	Zero	0.005	Some people who drink water containing benzene in excess of the MCL over many years could experience anemia or a decrease in blood platelets, and may have an increased risk of getting cancer.
56. Carbon tetrachloride	Zero	0.005	Some people who drink water containing carbon tetrachloride in excess of the MCL over many years could experience problems with their liver and may have an increased risk of getting cancer.
57. Chlorobenzene (monochlorobenzene)	0.1	0.1	Some people who drink water containing chlorobenzene in excess of the MCL over many years could experience problems with their liver or kidneys.
58. o-Dichlorobenzene	0.6	0.6	Some people who drink water containing o-dichlorobenzene well in excess of the MCL over many years could experience problems with their liver, kidneys, or circulatory systems.
59. p-Dichlorobenzene	0.075	0.075	Some people who drink water containing p-dichlorobenzene in excess of the MCL over many years could experience anemia, damage to their liver, kidneys, or spleen, or changes in their blood.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

60. 1,2-Dichloroethane	Zero	0.005	Some people who drink water containing 1,2-dichloroethane in excess of the MCL over many years may have an increased risk of getting cancer.
61. 1,1-Dichloroethylene	0.007	0.007	Some people who drink water containing 1,1-dichloroethylene in excess of the MCL over many years could experience problems with their liver.
62. cis-1,2-Dichloroethylene	0.07	0.07	Some people who drink water containing cis-1,2-dichloroethylene in excess of the MCL over many years could experience problems with their liver.
63. trans-1,2-Dichloroethylene	0.1	0.1	Some people who drink water containing trans-1,2-dichloroethylene well in excess of the MCL over many years could experience problems with their liver.
64. Dichloromethane	Zero	0.005	Some people who drink water containing dichloromethane in excess of the MCL over many years could have liver problems and may have an increased risk of getting cancer.
65. 1,2-Dichloropropane	Zero	0.005	Some people who drink water containing 1,2-dichloropropane in excess of the MCL over many years may have an increased risk of getting cancer.
66. Ethylbenzene	0.7	0.7	Some people who drink water containing ethylbenzene well in excess of the MCL over many years could experience problems with their liver or kidneys.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

67. Styrene	0.1	0.1	Some people who drink water containing styrene well in excess of the MCL over many years could have problems with their liver, kidneys, or circulatory system.
68. Tetrachloroethylene	Zero	0.005	Some people who drink water containing tetrachloroethylene in excess of the MCL over many years could have problems with their liver, and may have an increased risk of getting cancer.
69. Toluene	1	1	Some people who drink water containing toluene well in excess of the MCL over many years could have problems with their nervous system, kidneys, or liver.
70. 1,2,4-Trichlorobenzene	0.07	0.07	Some people who drink water containing 1,2,4-trichlorobenzene well in excess of the MCL over many years could experience changes in their adrenal glands.
71. 1,1,1-Trichloroethane	0.2	0.2	Some people who drink water containing 1,1,1-trichloroethane in excess of the MCL over many years could experience problems with their liver, nervous system, or circulatory system.
72. 1,1,2-Trichloroethane	0.003	0.005	Some people who drink water containing 1,1,2-trichloroethane well in excess of the MCL over many years could have problems with their liver, kidneys, or immune systems.
73. Trichloroethylene	Zero	0.005	Some people who drink water containing trichloroethylene in excess of the MCL over many years could experience problems with their liver and may have an increased risk of getting cancer.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

74. Vinyl chloride	Zero	0.002	Some people who drink water containing vinyl chloride in excess of the MCL over many years may have an increased risk of getting cancer.
75. Xylenes (total)	10	10	Some people who drink water containing xylenes in excess of the MCL over many years could experience damage to their nervous system.
G. Radioactive Contaminants			
76. Beta/photon emitters	Zero	4 mrem/yr 14 ¹⁵	Certain minerals are radioactive and may emit forms of radiation known as photons and beta radiation. Some people who drink water containing beta and photon emitters in excess of the MCL over many years may have an increased risk of getting cancer.
77. Alpha emitters	Zero	15 pCi/ℓ 15 ¹⁷	Certain minerals are radioactive and may emit a form of radiation known as alpha radiation. Some people who drink water containing alpha emitters in excess of the MCL over many years may have an increased risk of getting cancer.
78. Combined radium (226 & 228)	Zero	5 pCi/ℓ	Some people who drink water containing radium 226 or 228 in excess of the MCL over many years may have an increased risk of getting cancer.
79. Uranium	Zero	30 µg/ℓ	Some people who drink water containing uranium in excess of the MCL over many years may have an increased risk of getting cancer and kidney toxicity.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

H. Disinfection Byproducts (DBPs), Byproduct Precursors, and Disinfectant Residuals: Where disinfection is used in the treatment of drinking water, disinfectants combine with organic and inorganic matter present in water to form chemicals called disinfection byproducts (DBPs). USEPA sets standards for controlling the levels of disinfectants and DBPs in drinking water, including trihalomethanes (THMs) and haloacetic acids (HAA5) ¹⁶⁺⁸			
80. Total trihalomethanes (TTHMs)	N/A	0.080 ^{17,18,19,20}	Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous system, and may have an increased risk of getting cancer.
81. Haloacetic Acids (HAA5)	N/A	0.060 ^{19,21}	Some people who drink water containing haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer.
82. Bromate	Zero	0.010	Some people who drink water containing bromate in excess of the MCL over many years may have an increased risk of getting cancer.
83. Chlorite	0.08	1.0	Some infants and young children who drink water containing chlorite in excess of the MCL could experience nervous system effects. Similar effects may occur in fetuses of pregnant women who drink water containing chlorite in excess of the MCL. Some people may experience anemia.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

84. Chlorine	4 (MRDLG) ²⁰²²	4.0 (MRDL) ²¹²³	Some people who use water containing chlorine well in excess of the MRDL could experience irritating effects to their eyes and nose. Some people who drink water containing chlorine well in excess of the MRDL could experience stomach discomfort.
85. Chloramines	4 (MRDLG)	4.0 (MRDL)	Some people who use water containing chloramines well in excess of the MRDL could experience irritating effects to their eyes and nose. Some people who drink water containing chloramines well in excess of the MRDL could experience stomach discomfort or anemia.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

85a. Chlorine dioxide, where any two consecutive daily samples taken at the entrance to the distribution system are above the MRDL	0.8 (MRDLG)	0.8 (MRDL)	Some infants and young children who drink water containing chlorine dioxide in excess of the MRDL could experience nervous system effects. Similar effects may occur in fetuses of pregnant women who drink water containing chlorine dioxide in excess of the MRDL. Some people may experience anemia. Add for public notification only: The chlorine dioxide violations reported today are the result of exceedences at the treatment facility only, not within the distribution system that delivers water to consumers. Continued compliance with chlorine dioxide levels within the distribution system minimizes the potential risk of these violations to consumers.
--	-------------	------------	---

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

86a. Chlorine dioxide, where one or more distribution system samples are above the MRDL	0.8 (MRDLG)	0.8 (MRDL)	Some infants and young children who drink water containing chlorine dioxide in excess of the MRDL could experience nervous system effects. Similar effects may occur in fetuses of pregnant women who drink water containing chlorine dioxide in excess of the MRDL. Some people may experience anemia. Add for public notification only: The chlorine dioxide violations reported today include exceedences of the USEPA standard within the distribution system that delivers water to consumers. Violations of the chlorine dioxide standard within the distribution system may harm human health based on short-term exposures. Certain groups, including fetuses, infants, and young children, may be especially susceptible to nervous system effects from excessive chlorine dioxide exposure.
---	-------------	------------	---

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

87. Control of DBP precursors (TOC)	None	TT	Total organic carbon (TOC) has no health effects. However, total organic carbon provides a medium for the formation of disinfection byproducts. These byproducts include trihalomethanes (THMs) and haloacetic acids (HAAs). Drinking water containing these byproducts in excess of the MCL may lead to adverse health effects, liver or kidney problems, or nervous system effects, and may lead to an increased risk of getting cancer.
I. Other Treatment Techniques:			
88. Acrylamide	Zero	TT	Some people who drink water containing high levels of acrylamide over a long period of time could have problems with their nervous system or blood, and may have an increased risk of getting cancer.
89. Epichlorohydrin	Zero	TT	Some people who drink water containing high levels of epichlorohydrin over a long period of time could experience stomach problems, and may have an increased risk of getting cancer.

Appendix H – Endnotes

1. "MCLG" means maximum contaminant level goal.
2. "MCL" means maximum contaminant level.
3. For a water supplier analyzing at least 40 samples per month, no more than 5.0 percent of the monthly samples may be positive for total coliforms. For a supplier analyzing fewer than 40 samples per month, no more than one sample per month may be positive for total coliforms.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

4. There are various regulations that set turbidity standards for different types of systems, including Section 611.320, the 1989 Surface Water Treatment Rule (SWTR), the 1998 Interim Enhanced Surface Water Treatment Rule (IESWTR), and the 2002 Long Term 1 Enhanced Surface Water Treatment Rule (LT1ESWTR). The MCL for the monthly turbidity average is 1 NTU; the MCL for the 2-day average is 5 NTU for a supplier that is required to filter but has not yet installed filtration (Section 611.320).
5. "NTU" means nephelometric turbidity unit.
6. There are various regulations that set turbidity standards for different types of systems, including Section 611.320, the 1989 SWTR, the 1998 IESWTR, and the 2002 LT1ESWTR. A supplier subject to the SWTR (both filtered and unfiltered) may not exceed 5 NTU. In addition, in filtered systems, 95 percent of samples each month must not exceed 0.5 NTU in systems using conventional or direct filtration and must not exceed 1 NTU in systems using slow sand or diatomaceous earth filtration or other filtration technologies approved by the Agency.
7. "TT" means treatment technique.
8. There are various regulations that set turbidity standards for different types of systems, including Section 611.320, the 1989 SWTR, the 1998 IESWTR, and the 2002 LT1ESWTR. For a supplier subject to the IESWTR (a supplier that serves at least 10,000 people, using surface water or groundwater under the direct influence of surface water), that use conventional filtration or direct filtration, the turbidity level of a system's combined filter effluent may not exceed 0.3 NTU in at least 95 percent of monthly measurements, and the turbidity level of a system's combined filter effluent must not exceed 1 NTU at any time. A supplier subject to the IESWTR using technologies other than conventional, direct, slow sand, or diatomaceous earth filtration must meet turbidity limits set by the Agency. For a supplier subject to the LT1ESWTR (a supplier that serves fewer than 10,000 people, using surface water or groundwater under the direct influence of surface water) that uses conventional filtration or direct filtration, after January 1, 2005, the turbidity level of the supplier's combined filter effluent may not exceed 0.3 NTU in at least 95 percent of monthly measurements, and the turbidity level of the supplier's combined filter effluent must not exceed 1 NTU at any time. A supplier subject to the LT1ESWTR using technologies other than conventional, direct, slow sand, or diatomaceous earth filtration must meet turbidity limits set by the Agency.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

9. The bacteria detected by heterotrophic plate count (HPC) are not necessarily harmful. HPC is simply an alternative method of determining disinfectant residual levels. The number of such bacteria is an indicator of whether there is enough disinfectant in the distribution system.
10. SWTR, IESWTR, and LT1ESWTR treatment technique violations that involve turbidity exceedences may use the health effects language for turbidity instead.
- ~~11. These arsenic values are effective January 23, 2006. Until then, the MCL is 0.05 mg/l and there is no MCLG.~~
- ~~11.12.~~ Millions of fibers per liter.
- ~~12.13.~~ Action Level = 0.015 mg/l.
- ~~13.14.~~ Action Level = 1.3 mg/l.
- ~~14.15.~~ Millirems per year.
- ~~15.16.~~ Picocuries per liter.
- ~~17. This endnote 17 corresponds with the endnote to the table in appendix B to subpart Q of 40 CFR 141 (2006), which stated a past effective date. This statement maintains structural consistency with the federal regulations.~~
- ~~16.18.~~ A surface water system supplier or a groundwater system supplier under the direct influence of surface water is regulated under Subpart B of this Part. A Subpart B community water system supplier or a non-transient non-community system supplier must comply with Subpart I DBP MCLs and disinfectant maximum residual disinfectant levels (MRDLs). A Subpart B transient non-community system supplier that uses chlorine dioxide as a disinfectant or oxidant must comply with the chlorine dioxide MRDL.
- ~~17.19.~~ Community and non-transient non-community systems must comply with Subpart Y TTHM and HAA5 MCLs of 0.080 mg/l and 0.060 mg/l, respectively (with compliance calculated as a locational running annual average) on the schedule in Section 611.970.
- ~~18.20.~~ The MCL for total trihalomethanes is the sum of the concentrations of the individual trihalomethanes.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

| ~~19.21.~~ The MCL for haloacetic acids is the sum of the concentrations of the individual haloacetic acids.

| ~~20.22.~~ "MRDLG" means maximum residual disinfectant level goal.

| ~~21.23.~~ "MRDL" means maximum residual disinfectant level.

| BOARD NOTE: Derived from appendix B to subpart Q to 40 CFR 141 ~~(2012)(2006), as amended at 71 Fed. Reg. 65574 (Nov. 8, 2006).~~

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Section 611.APPENDIX I Acronyms Used in Public Notification Regulation

CCR	Consumer Confidence Report
CWS	Community Water System
DBP	Disinfection Byproduct
GWR	Groundwater Rule
HPC	Heterotrophic Plate Count
IESWTR	Interim Enhanced Surface Water Treatment Rule
IOC	Inorganic Chemical
LCR	Lead and Copper Rule
MCL	Maximum Contaminant Level
MCLG	Maximum Contaminant Level Goal
MRDL	Maximum Residual Disinfectant Level
MRDLG	Maximum Residual Disinfectant Level Goal
NCWS	Non-Community Water System
NPDWR	National Primary Drinking Water Regulation
NTNCWS	Non-Transient Non-Community Water System
NTU	Nephelometric Turbidity Unit
OGWDW	USEPA, Office of Ground Water and Drinking Water
OW	USEPA, Office of Water
PN	Public Notification
PWS	Public Water System
SDWA	Safe Drinking Water Act
SMCL	Secondary Maximum Contaminant Level
SOC	Synthetic Organic Chemical
SWTR	Surface Water Treatment Rule
TCR	Total Coliform Rule
TT	Treatment Technique
TWS	Transient Non-Community Water System
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Chemical

BOARD NOTE: Derived from Appendix C to Subpart Q to 40 CFR 141 ~~(2012)(2006), as amended at 71 Fed. Reg. 65574 (Nov. 8, 2006).~~

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Section 611.TABLE A Total Coliform Monitoring Frequency

TOTAL COLIFORM MONITORING FREQUENCY FOR CWSs

Population Served			Minimum Number of Samples per Month
25	to	1000	1
1001	to	2500	2
2501	to	3300	3
3301	to	4100	4
4101	to	4900	5
4901	to	5800	6
5801	to	6700	7
6701	to	7600	8
7601	to	8500	9
8501	to	12,900	10
12,901	to	17,200	15
17,201	to	21,500	20
21,501	to	25,000	25
25,001	to	33,000	30
33,001	to	41,000	40
41,001	to	50,000	50
50,001	to	59,000	60
59,001	to	70,000	70
70,001	to	83,000	80
83,001	to	96,000	90
96,001	to	130,000	100
130,001	to	220,000	120
220,001	to	320,000	150
320,001	to	450,000	180
450,001	to	600,000	210
600,001	to	780,000	240
780,001	to	970,000	270
970,001	to	1,230,000	300
1,230,001	to	1,520,000	330
1,520,001	to	1,850,000	360
1,850,001	to	2,270,000	390
2,270,001	to	3,020,000	420
3,020,001	to	3,960,000	450

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

3,960,001 or more

480

PWSs that have at least 15 service connections, but serve fewer than 25 persons are included in the entry for 25 to 1000 persons served.

| BOARD NOTE: Derived from 40 CFR 141.21(a)(2) [\(2012\)](#)~~(2002)~~.

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Section 611.TABLE B Fecal or Total Coliform Density Measurements

System Size (Persons Served)			Samples per Week
500	or fewer		1
501	to	3300	2
3301	to	10,000	3
10,001	to	25,000	4
More than	25,000		5

Samples must be taken on separate days.

| BOARD NOTE: Derived from 40 CFR 141.74(b)(1) [\(2012\)](#)~~(1991)~~.

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Section 611.TABLE C Frequency of RDC Measurement

System Size (Persons Served)			Samples per Day
500	or fewer		1
501	to	1,000	2
1001	to	2,500	3
2501	to	3,300	4

The day's samples cannot be taken at the same time. The sampling intervals are subject to Agency review and approval by a SEP issued pursuant to Section 611.110 .

| BOARD NOTE: Derived from 40 CFR 141.74(b)(5) and (c)(2) [\(2012\)](#)~~(2002)~~.

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Section 611.TABLE D Number of Lead and Copper Monitoring Sites

System Size (Persons Served)	Number of Sites (Standard Monitoring)	Number of Sites (Reduced Monitoring)
More than 100,000	100	50
10,001-100,000	60	30
3,301 to 10,000	40	20
501 to 3,300	20	10
101 to 500	10	5
100 or fewer	5	5

| BOARD NOTE: Derived from 40 CFR 141.86(c) [\(2012\)](#)~~(1992)~~.

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Section 611.TABLE E Lead and Copper Monitoring Start Dates

System Size (Persons served)	First Six-month Monitoring Period Begins
more than 50,000	January 1, 1992
3,301 to 50,000	July 1, 1992
3,300 or fewer	July 1, 1993

BOARD NOTE: Derived from 40 CFR 141.86(d)(1) [\(2012\)](#)~~(2002)~~.

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Section 611.TABLE F Number of Water Quality Parameter Sampling Sites

System Size (Persons Served)	Number of Sites	
	(Standard Monitoring)	(Reduced Monitoring)
more than 100,000	25	10
10,001 to 100,000	10	7
3,301 to 10,000	3	3
501 to 3,300	2	2
101 to 500	1	1
100 or fewer	1	1

| BOARD NOTE: Derived from 40 CFR 141.87(a)(2) and (e) ~~(2012)~~(1992).

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Section 611.TABLE G Summary of Section 611.357 Monitoring Requirements for Water Quality Parameters

See end note 1 below.

Monitoring Period	Parameters ²	Location	Frequency
Initial Monitoring	pH, alkalinity, orthophosphate or silica ³ , calcium, conductivity, temperature	Taps and at entry points to the distribution system	Every six months
After installation of corrosion control	pH, alkalinity, orthophosphate or silica ³ , calcium ⁴	Taps	Every six months
	pH, alkalinity dosage rate and concentration (if alkalinity is adjusted as part of corrosion control), inhibitor dosage rate and inhibitor residual ⁵	Entry points to the distribution system ⁶	No less frequently than every two weeks
After the Agency specifies parameter values for optimal corrosion control	pH, alkalinity, orthophosphate or silica ³ , calcium ⁴	Taps	Every six months
	pH, alkalinity dosage rate and concentration (if alkalinity is adjusted as part of corrosion control), inhibitor dosage rate and inhibitor residual ⁵	Entry points to the distribution system ⁶	No less frequently than every two weeks

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Reduced monitoring	pH, alkalinity, orthophosphate or silica ³ , calcium ⁴	Taps	Every six months, annually ⁷ or every three years ⁸ ; reduced number of sites
	pH, alkalinity dosage rate and concentration (if alkalinity is adjusted as part of corrosion control), inhibitor dosage rate and inhibitor residual ⁵	Entry points to the distribution system ⁶	No less frequently than every two weeks

¹ This Table G is for illustrative purposes; consult the text of Section 611.357 for precise regulatory requirements.

² Small- and medium-sized systems have to monitor for water quality parameters only during monitoring periods in which the system exceeds the lead or copper action level.

³ Orthophosphate must be measured only when an inhibitor containing a phosphate compound is used. Silica must be measured only when an inhibitor containing silicate compound is used.

⁴ Calcium must be measured only when calcium carbonate stabilization is used as part of corrosion control.

⁵ Inhibitor dosage rates and inhibitor residual concentrations (orthophosphate or silica) must be measured only when an inhibitor is used.

⁶ A groundwater system supplier may limit monitoring to representative locations throughout the system.

⁷ A water supplier may reduce frequency of monitoring for water quality parameters at the tap from every six months to annually if it has maintained the range of values for water quality parameters reflecting optimal corrosion control during three consecutive years of monitoring.

⁸ A water supplier may further reduce the frequency of monitoring for water quality parameters at the tap from annually to once every three years if it has maintained the range of values for water quality parameters reflecting optimal corrosion control during three consecutive years

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

of annual monitoring. A water supplier may accelerate to triennial monitoring for water quality parameters at the tap if it has maintained 90th percentile lead levels less than or equal to 0.005 mg/ℓ, 90th percentile copper levels less than or equal to 0.65 mg/ℓ, and the range of water quality parameters designated by the Agency under Section 611.352(f) as representing optimal corrosion control during two consecutive six-month monitoring periods.

| BOARD NOTE: Derived from the table to 40 CFR 141.87 [\(2012\)](#)~~(2002)~~.

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Section 611. TABLE H CT Values (mg·min/l) for Cryptosporidium Inactivation by Chlorine Dioxide

Log Credit	Water Temperature (°C)										
	≤ 0.5	1	2	3	5	7	10	15	20	25	30
0.25	159	153	140	128	107	90	69	45	29	19	12
0.5	319	305	279	256	214	180	138	89	58	38	24
1.0	637	610	558	511	429	360	277	179	116	75	49
1.5	956	915	838	767	643	539	415	268	174	113	73
2.0	1275	1220	1117	1023	858	719	553	357	232	150	98
2.5	1594	1525	1396	1278	1072	899	691	447	289	188	122
3.0	1912	1830	1675	1534	1286	1079	830	536	347	226	147

A supplier may use the following equation to determine log credit between the indicated values:

$$\text{Log credit} = (0.001506 \times (1.09116)^{\text{Temp(in } ^\circ\text{C)}}) \times \text{CT}$$

BOARD NOTE: Derived from the table at 40 CFR 141.720(b)(1) ~~(2012)(2006), which corresponds with Section 611.1020(b)(1).~~

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Section 611.TABLE I CT Values (mg·min/l) for Cryptosporidium Inactivation by Ozone

Log Credit	Water Temperature (°C)										
	≤ 0.5	1	2	3	5	7	10	15	20	25	30
0.25	6.0	5.8	5.2	4.8	4.0	3.3	2.5	1.6	1.0	0.6	0.39
0.5	12	12	10	9.5	7.9	6.5	4.9	3.1	2.0	1.2	0.78
1.0	24	23	21	19	16	13	9.9	6.2	3.9	2.5	1.6
1.5	36	35	31	29	24	20	15	9.3	5.9	3.7	2.4
2.0	48	46	42	38	32	26	20	12	7.8	4.9	3.1
2.5	60	58	52	48	40	33	25	16	9.8	6.2	3.9
3.0	72	69	63	57	47	39	30	19	12	7.4	4.7

A supplier may use the following equation to determine log credit between the indicated values:

$$\text{Log credit} = (0.0397 \times (1.09757)^{\text{Temp(in } ^\circ\text{C)}}) \times \text{CT}$$

BOARD NOTE: Derived from the table at 40 CFR 141.720(b)(2) [\(2012\)\(2006\)](#), which corresponds with [Section 611.1020\(b\)\(2\)](#).

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Section 611.TABLE J UV Dose Table for Cryptosporidium, Giardia lamblia, and Virus Inactivation Credit

Log Credit	UV dose (mJ/cm ²)		
	Cryptosporidium	Giardia lamblia	Virus
0.5	1.6	1.5	39
1.0	2.5	2.1	58
1.5	3.9	3.0	79
2.0	5.8	5.2	100
2.5	8.5	7.7	121
3.0	12	11	143
3.5	15	15	163
4.0	22	22	186

BOARD NOTE: Derived from the table at 40 CFR 141.720(d)(1) ~~(2012)(2006), which corresponds with Section 611.1020(d)(1).~~

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Section 611.TABLE Z Federal Effective Dates

The following are the effective dates of the various federal NPDWRs:

| Fluoride (40 CFR 141.62(b)(1) 141.60(b)(1)) (corresponding with Section 611.301(b))	October 2, 1987
| Phase I VOCs (40 CFR 141.61(a) through (a)(8) 141.60(a)(1)) (corresponding with Section 611.311(a)) (benzene, carbon tetrachloride, p-dichlorobenzene, 1,2-dichloroethane, 1,1-dichloroethylene, 1,1,1-trichloroethane, trichloroethylene, and vinyl chloride)	January July 9, 1989
Lead and Copper (40 CFR 141, subpart I) (corresponding with Subpart G of this Part) (lead and copper monitoring, reporting, and recordkeeping requirements of 40 CFR 141.86 through 141.91)	July 7, 1991
| Phase II IOCs (40 CFR 141.62(b)(2) and (b)(4) through (b)(10) 141.60(b)(2)) (corresponding with Section 611.301(b)) (asbestos, cadmium, chromium, mercury, nitrate, nitrite, and selenium)	July 30, 1992
| Phase II VOCs (40 CFR 141.61(a)(9) through (a)(18) 141.60(a)(2)) (corresponding with Section 611.311(a)) (o-dichlorobenzene, cis-1,2-dichloroethylene, trans-1,2-dichloroethylene, 1,2-dichloropropane, ethylbenzene, monochlorobenzene, styrene, tetrachloroethylene, toluene, and xylenes (total))	July 30, 1992
| Phase II SOCs (40 CFR 141.61(c)(1) through (c)(18) 141.60(a)(2)) (corresponding with Section 611.311(e)) (alachlor, atrazine, carbofuran, chlordane, dibromochloropropane, ethylene dibromide, heptachlor, heptachlor epoxide, lindane, methoxychlor, polychlorinated biphenyls, toxaphene, 2,4-D, and 2,4,5-TP (silvex))	July 30, 1992

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- [Phase V SOC \(40 CFR 141.61\(c\)\(3\)\)](#) [August 17, 1992](#)
[\(corresponding with Section 611.311\(c\)\) \(endrin\)](#)
- Lead and Copper (40 CFR 141, subpart I) [December 7, 1992](#)
(corresponding with Subpart G of this Part)
(lead and copper corrosion control, water treatment, public
education, and lead service line replacement requirements of
40 CFR 141.81 through 141.85)
- [Phase IIB IOC \(40 CFR ~~141.62\(b\)\(3\)~~~~141.60\(b\)\(2\)~~\)](#) [January 1, 1993](#)
(corresponding with Section 611.301(b))
(barium)
- [Phase IIB SOCs \(40 CFR ~~141.61\(a\)\(9\) through~~](#) [January 1, 1993](#)
[\(a\)\(18\)](#)~~141.60(a)(2)~~)
(corresponding with Section 611.311(c))
(aldicarb, aldicarb sulfone, aldicarb sulfoxide, and
pentachlorophenol. See the Board note appended to Section
611.311(c) for information relating to implementation of
requirements relating to aldicarb, aldicarb sulfone, and
aldicarb sulfoxide.)
- [Phase V IOCs \(40 CFR ~~141.62\(b\)\(11\) through~~](#) [January 17, 1994](#)
[\(b\)\(15\)](#)~~141.60(b)(3)~~)
(corresponding with Section 611.301(b))
(antimony, beryllium, cyanide, nickel, and thallium)
- [Phase V VOCs \(40 CFR ~~141.61\(b\)\(19\) through~~](#) [January 17, 1994](#)
[\(b\)\(21\)](#)~~141.60(a)(3)~~)
(corresponding with Section 611.311(a))
(dichloromethane, 1,2,4-trichlorobenzene, and 1,1,2-
trichloroethane)
- [Phase V SOCs \(40 CFR ~~141.61\(c\)\(19\) through~~](#) [January 17, 1994](#)
[\(c\)\(25\)](#)~~141.60(a)(3)~~)
(corresponding with Section 611.311(c))
(benzo(a)pyrene, dalapon, di(2-ethylhexyl)adipate, di(2-
ethylhexyl)phthalate dinoseb, diquat, endothall, endrin,
glyphosate, hexachlorobenzene, hexachlorocyclopentadiene,
oxamyl, picloram, simazine, and 2,3,7,8-TCDD)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Consumer Confidence Report Rule (40 CFR 141, subpart Q) (corresponding with Subpart O of this Part) (notification to public of drinking water quality)	September 18, 1998
Interim Enhanced Surface Water Treatment Rule (40 CFR 141, subpart P) (corresponding with Subpart R of this Part) (applicable to suppliers providing water to fewer than 10,000 persons) (Giardia lamblia, viruses, heterotrophic plate count bacteria, Legionella, Cryptosporidium, and turbidity)	February 16, 1999
Public Notification Rule (40 CFR 141, subpart Q) (corresponding with Subpart V of this Part) (notification to public of NPDWR violations, variances or exemptions, or other situations that could bear on public health)	June 5, 2000
Filter Backwash Rule (40 CFR 141.76) (corresponding with Section 611.276) (reuse of spent filter backwash water, thickener supernatant, or liquids from dewatering processes)	August 7, 2001
Disinfection/Disinfectant Byproducts Rule (40 CFR 141.64, 141.65 & 141, subpart L) Smaller Systems (serving 10,000 or fewer persons) Larger Systems (serving more than 10,000 persons) (corresponding with Sections 611.312 & 611.313) (total trihalomethanes, haloacetic acids (five), bromate, chlorite, chlorine, chloramines, and chlorine dioxide)	December 16, 2001 December 16, 2003
Long Term 1 Enhanced Surface Water Treatment Rule (40 CFR 141, Subpart T) (corresponding with Subpart X of this Part) (applicable to suppliers providing water to 10,000 or more persons) (Giardia lamblia, viruses, heterotrophic plate count bacteria, Legionella, Cryptosporidium, and turbidity)	February 13, 2002

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Radionuclides (40 CFR 141.66) (corresponding with Section 611.330) (combined radium (Ra-226 + Ra-228), gross alpha particle activity, beta particle and photon activity, and uranium)	December 8, 2003
Arsenic (40 CFR 141.62(b)(16)) (corresponding with Section 611.301(b)) (arsenic)	January 23, 2006
Stage 2 Disinfection/Disinfectant Byproducts Rule (40 CFR 141, subparts U & V)	
Systems that serve fewer than 10,000 persons	
Submit plan	April 1, 2008
Complete monitoring or study	March 31, 2010
Submit IDSE report	July 1, 2010
Compliance with monitoring requirements	
If no Cryptosporidium monitoring is required	October 1, 2013
If Cryptosporidium monitoring is required	October 1, 2014
Systems that serve 10,000 to 49,999 persons	
Submit plan	October 1, 2007
Complete monitoring or study	September 30, 2009
Submit IDSE report	January 1, 2010
Compliance with monitoring requirements	October 1, 2013
Systems that serve 50,000 to 99,999 persons	
Submit plan	April 1, 2007
Complete monitoring or study	March 31, 2009
Submit IDSE report	July 1, 2009
Compliance with monitoring requirements	October 1, 2012
Systems that serve 100,000 or more persons	
Submit plan	October 1, 2006
Complete monitoring or study	September 30, 2008
Submit IDSE report	January 1, 2009
Compliance with monitoring requirements	April 1, 2012
(corresponding with Subparts W & Y of this Part) (total trihalomethanes and haloacetic acids (five))	
Long Term 2 Enhanced Surface Water Treatment Rule (40 CFR 141, subpart W)	
Systems that serve fewer than 10,000 persons	
And which monitor for E. coli	

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

Begin first round of monitoring	October 1, 2008
Begin treatment for Cryptosporidium	October 1, 2014
Begin second round of monitoring	October 1, 2017
And which monitor for cryptosporidium	
Begin first round of monitoring	April 1, 2010
Begin treatment for Cryptosporidium	October 1, 2014
Begin second round of monitoring	April 1, 2019
Systems that serve 10,000 to 49,999 persons	
Begin first round of monitoring	April 1, 2008
Begin treatment for Cryptosporidium	October 1, 2013
Begin second round of monitoring	October 1, 2016
Systems that serve 50,000 to 99,999 persons	
Begin first round of monitoring	April 1, 2007
Begin treatment for Cryptosporidium	October 1, 2012
Begin second round of monitoring	October 1, 2015
Systems that serve 100,000 or more persons	
Begin first round of monitoring	October 1, 2006
Begin treatment for Cryptosporidium	April 1, 2012
Begin second round of monitoring	April 1, 2015
(corresponding with Subpart Z of this Part)	
(E. coli, Cryptosporidium, Giardia lamblia, viruses, and turbidity)	
Groundwater Rule (40 CFR 141, subpart S)	December 1, 2009
(corresponding with Subpart S of this Part)	
(E. coli, enterococci, and coliphage)	

(Source: Amended at 37 Ill. Reg. 1978, effective February 4, 2013)

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

- 1) Heading of the Part: Skilled Nursing and Intermediate Care Facilities Code
- 2) Code Citation: 77 Ill. Adm. Code 300
- 3)

<u>Section Numbers:</u>	<u>Adopted Action:</u>
300.670	Amended
300.690	Amended
- 4) Statutory Authority: Nursing Home Care Act [210 ILCS 45]
- 5) Effective Date of Amendments: February 4, 2013
- 6) Does this rulemaking contain an automatic repeal date? No
- 7) Does this rulemaking contain incorporations by reference? No
- 8) A copy of the adopted amendments, including any material incorporated by reference, is on file in the agency's principal office and is available for public inspection.
- 9) Notice of Proposal Published in the *Illinois Register*: 36 Ill. Reg. 11894; July 27, 2012
- 10) Has JCAR issued a Statement of Objection to these Amendments? No
- 11) Differences between Proposal and Final Version: Various typographical, grammatical and form changes were made in response to the comments from JCAR.
- 12) Have all the changes agreed upon by the agency and JCAR been made as indicated in the agreements issued by JCAR? Yes
- 13) Will this rulemaking replace any emergency rulemaking currently in effect? No
- 14) Are there any proposed rulemakings pending on this Part? Yes

<u>Section Number:</u>	<u>Proposed Action:</u>	<u><i>Illinois Register</i> Citation:</u>
300.610	Amendment	36 Ill. Reg. 12209; August 3, 2012
- 15) Summary and Purpose of Rulemaking: The Skilled Nursing and Intermediate Care Facilities Code regulates skilled nursing and intermediate care facilities, including the records they are required to keep on incidents and accidents, and the procedures for

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

reporting incidents and accidents to the Department. This rulemaking adds a requirement to Section 300.690 (Incidents and Accidents) for reporting the death of a resident when that death is the result of an incident or accident. The facility will be required to notify the Department "by phone only", which is described as talking with a Department representative who confirms that the requirement to notify the Regional Office by phone has been met. This rulemaking should ensure that the Department is properly informed when an incident or accident results in the death of a resident.

Section 300.670 was amended to correct a cross-reference.

- 16) Information and questions regarding these adopted amendments shall be directed to:

Susan Meister
Division of Legal Services
Department of Public Health
535 West Jefferson, 5th Floor
Springfield, Illinois 62761

217/782-2043
e-mail: dph.rules@illinois.gov

The full text of the Adopted Amendments begins on the next page:

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

TITLE 77: PUBLIC HEALTH
CHAPTER I: DEPARTMENT OF PUBLIC HEALTH
SUBCHAPTER c: LONG-TERM CARE FACILITIESPART 300
SKILLED NURSING AND INTERMEDIATE CARE FACILITIES CODE

SUBPART A: GENERAL PROVISIONS

Section	
300.110	General Requirements
300.120	Application for License
300.130	Licensee
300.140	Issuance of an Initial License for a New Facility
300.150	Issuance of an Initial License Due to a Change of Ownership
300.160	Issuance of a Renewal License
300.163	Alzheimer's Special Care Disclosure
300.165	Criteria for Adverse Licensure Actions
300.170	Denial of Initial License
300.175	Denial of Renewal of License
300.180	Revocation of License
300.190	Experimental Program Conflicting With Requirements
300.200	Inspections, Surveys, Evaluations and Consultation
300.210	Filing an Annual Attested Financial Statement
300.220	Information to Be Made Available to the Public By the Department
300.230	Information to Be Made Available to the Public By the Licensee
300.240	Municipal Licensing
300.250	Ownership Disclosure
300.260	Issuance of Conditional Licenses
300.270	Monitor and Receivership
300.271	Presentation of Findings
300.272	Determination to Issue a Notice of Violation or Administrative Warning
300.274	Determination of the Level of a Violation
300.276	Notice of Violation
300.277	Administrative Warning
300.278	Plans of Correction
300.280	Reports of Correction
300.282	Conditions for Assessment of Penalties
300.284	Calculation of Penalties (Repealed)
300.286	Notice of Penalty Assessment; Response by Facility

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

300.287	Consideration of Factors for Assessing Penalties
300.288	Reduction or Waiver of Penalties
300.290	Quarterly List of Violators (Repealed)
300.300	Alcoholism Treatment Programs In Long-Term Care Facilities
300.310	Department May Survey Facilities Formerly Licensed
300.315	Supported Congregate Living Arrangement Demonstration
300.320	Waivers
300.330	Definitions
300.340	Incorporated and Referenced Materials

SUBPART B: ADMINISTRATION

Section	
300.510	Administrator

SUBPART C: POLICIES

Section	
300.610	Resident Care Policies
300.615	Determination of Need Screening and Request for Resident Criminal History Record Information
300.620	Admission, Retention and Discharge Policies
300.624	Criminal History Background Checks for Persons Who Were Residents on May 10, 2006 (Repealed)
300.625	Identified Offenders
300.626	Discharge Planning for Identified Offenders
300.627	Transfer of an Identified Offender
300.630	Contract Between Resident and Facility
300.640	Residents' Advisory Council
300.650	Personnel Policies
300.651	Whistleblower Protection
300.655	Initial Health Evaluation for Employees
300.660	Nursing Assistants
300.661	Health Care Worker Background Check
300.662	Resident Attendants
300.663	Registry of Certified Nursing Assistants
300.665	Student Interns
300.670	Disaster Preparedness
300.680	Restraints

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

300.682	Nonemergency Use of Physical Restraints
300.684	Emergency Use of Physical Restraints
300.686	Unnecessary, Psychotropic, and Antipsychotic Drugs
300.690	Incidents and Accidents
300.695	Contacting Local Law Enforcement
300.696	Infection Control

SUBPART D: PERSONNEL

Section	
300.810	General
300.820	Categories of Personnel
300.830	Consultation Services
300.840	Personnel Policies

SUBPART E: MEDICAL AND DENTAL CARE OF RESIDENTS

Section	
300.1010	Medical Care Policies
300.1020	Communicable Disease Policies
300.1025	Tuberculin Skin Test Procedures
300.1030	Medical Emergencies
300.1035	Life-Sustaining Treatments
300.1040	Care and Treatment of Sexual Assault Survivors
300.1050	Dental Standards
300.1060	Vaccinations

SUBPART F: NURSING AND PERSONAL CARE

Section	
300.1210	General Requirements for Nursing and Personal Care
300.1220	Supervision of Nursing Services
300.1230	Direct Care Staffing
300.1240	Additional Requirements

SUBPART G: RESIDENT CARE SERVICES

Section	
300.1410	Activity Program

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

- 300.1420 Specialized Rehabilitation Services
- 300.1430 Work Programs
- 300.1440 Volunteer Program
- 300.1450 Language Assistance Services

SUBPART H: MEDICATIONS

Section

- 300.1610 Medication Policies and Procedures
- 300.1620 Compliance with Licensed Prescriber's Orders
- 300.1630 Administration of Medication
- 300.1640 Labeling and Storage of Medications
- 300.1650 Control of Medications

SUBPART I: RESIDENT AND FACILITY RECORDS

Section

- 300.1810 Resident Record Requirements
- 300.1820 Content of Medical Records
- 300.1830 Records Pertaining to Residents' Property
- 300.1840 Retention and Transfer of Resident Records
- 300.1850 Other Resident Record Requirements
- 300.1860 Staff Responsibility for Medical Records
- 300.1870 Retention of Facility Records
- 300.1880 Other Facility Record Requirements

SUBPART J: FOOD SERVICE

Section

- 300.2010 Director of Food Services
- 300.2020 Dietary Staff in Addition to Director of Food Services
- 300.2030 Hygiene of Dietary Staff
- 300.2040 Diet Orders
- 300.2050 Meal Planning
- 300.2060 Therapeutic Diets (Repealed)
- 300.2070 Scheduling Meals
- 300.2080 Menus and Food Records
- 300.2090 Food Preparation and Service
- 300.2100 Food Handling Sanitation

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

300.2110 Kitchen Equipment, Utensils, and Supplies

SUBPART K: MAINTENANCE, HOUSEKEEPING, AND LAUNDRY

Section

300.2210 Maintenance
300.2220 Housekeeping
300.2230 Laundry Services

SUBPART L: FURNISHINGS, EQUIPMENT, AND SUPPLIES

Section

300.2410 Furnishings
300.2420 Equipment and Supplies
300.2430 Sterilization of Equipment and Supplies

SUBPART M: WATER SUPPLY AND SEWAGE DISPOSAL

Section

300.2610 Codes
300.2620 Water Supply
300.2630 Sewage Disposal
300.2640 Plumbing

SUBPART N: DESIGN AND CONSTRUCTION STANDARDS
FOR NEW INTERMEDIATE CARE AND SKILLED NURSING FACILITIES

Section

300.2810 Applicability of these Standards
300.2820 Codes and Standards
300.2830 Preparation of Drawings and Specifications
300.2840 Site
300.2850 Administration and Public Areas
300.2860 Nursing Unit
300.2870 Dining, Living, Activities Rooms
300.2880 Therapy and Personal Care
300.2890 Service Departments
300.2900 General Building Requirements
300.2910 Structural

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

- 300.2920 Mechanical Systems
- 300.2930 Plumbing Systems
- 300.2940 Electrical Systems

SUBPART O: DESIGN AND CONSTRUCTION STANDARDS
FOR EXISTING INTERMEDIATE CARE AND SKILLED NURSING FACILITIES

Section

- 300.3010 Applicability
- 300.3020 Codes and Standards
- 300.3030 Preparation of Drawings and Specifications
- 300.3040 Site
- 300.3050 Administration and Public Areas
- 300.3060 Nursing Unit
- 300.3070 Living, Dining, Activities Rooms
- 300.3080 Treatment and Personal Care
- 300.3090 Service Departments
- 300.3100 General Building Requirements
- 300.3110 Structural
- 300.3120 Mechanical Systems
- 300.3130 Plumbing Systems
- 300.3140 Electrical Requirements

SUBPART P: RESIDENT'S RIGHTS

Section

- 300.3210 General
- 300.3220 Medical Care
- 300.3230 Restraints (Repealed)
- 300.3240 Abuse and Neglect
- 300.3250 Communication and Visitation
- 300.3260 Resident's Funds
- 300.3270 Residents' Advisory Council
- 300.3280 Contract With Facility
- 300.3290 Private Right of Action
- 300.3300 Transfer or Discharge
- 300.3310 Complaint Procedures
- 300.3320 Confidentiality
- 300.3330 Facility Implementation

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

SUBPART Q: SPECIALIZED LIVING FACILITIES FOR THE MENTALLY ILL

Section

300.3410	Application of Other Sections of These Minimum Standards (Repealed)
300.3420	Administrator (Repealed)
300.3430	Policies (Repealed)
300.3440	Personnel (Repealed)
300.3450	Resident Living Services Medical and Dental Care (Repealed)
300.3460	Resident Services Program (Repealed)
300.3470	Psychological Services (Repealed)
300.3480	Social Services (Repealed)
300.3490	Recreational and Activities Services (Repealed)
300.3500	Individual Treatment Plan (Repealed)
300.3510	Health Services (Repealed)
300.3520	Medical Services (Repealed)
300.3530	Dental Services (Repealed)
300.3540	Optometric Services (Repealed)
300.3550	Audiometric Services (Repealed)
300.3560	Podiatric Services (Repealed)
300.3570	Occupational Therapy Services (Repealed)
300.3580	Nursing and Personal Care (Repealed)
300.3590	Resident Care Services (Repealed)
300.3600	Record Keeping (Repealed)
300.3610	Food Service (Repealed)
300.3620	Furnishings, Equipment and Supplies (New and Existing Facilities) (Repealed)
300.3630	Design and Construction Standards (New and Existing Facilities) (Repealed)

SUBPART R: DAYCARE PROGRAMS

Section

300.3710	Day Care in Long-Term Care Facilities
----------	---------------------------------------

SUBPART S: PROVIDING SERVICES TO PERSONS WITH SERIOUS MENTAL ILLNESS

Section

300.4000	Applicability of Subpart S
300.4010	Comprehensive Assessments for Residents with Serious Mental Illness Residing in Facilities Subject to Subpart S

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

- 300.4020 Reassessments for Residents with Serious Mental Illness Residing in Facilities Subject to Subpart S
- 300.4030 Individualized Treatment Plan for Residents with Serious Mental Illness Residing in Facilities Subject to Subpart S
- 300.4040 General Requirements for Facilities Subject to Subpart S
- 300.4050 Psychiatric Rehabilitation Services for Facilities Subject to Subpart S
- 300.4060 Discharge Plans for Residents with Serious Mental Illness Residing in Facilities Subject to Subpart S
- 300.4070 Work Programs for Residents with Serious Mental Illness Residing in Facilities Subject to Subpart S
- 300.4080 Community-Based Rehabilitation Programs for Residents with Serious Mental Illness Residing in Facilities Subject to Subpart S
- 300.4090 Personnel for Providing Services to Persons with Serious Mental Illness for Facilities Subject to Subpart S

SUBPART T: FACILITIES PARTICIPATING IN ILLINOIS DEPARTMENT OF
HEALTHCARE AND FAMILY SERVICES'
DEMONSTRATION PROGRAM FOR PROVIDING
SERVICES TO PERSONS WITH SERIOUS MENTAL ILLNESS

Section

- 300.6000 Applicability of Subpart T
- 300.6005 Quality Assessment and Improvement for Facilities Subject to Subpart T
- 300.6010 Comprehensive Assessments for Residents of Facilities Subject to Subpart T
- 300.6020 Reassessments for Residents of Facilities Subject to Subpart T
- 300.6030 Individualized Treatment Plan for Residents of Facilities Subject to Subpart T
- 300.6040 General Requirements for Facilities Subject to Subpart T
- 300.6045 Serious Incidents and Accidents in Facilities Subject to Subpart T
- 300.6047 Medical Care Policies for Facilities Subject to Subpart T
- 300.6049 Emergency Use of Restraints for Facilities Subject to Subpart T
- 300.6050 Psychiatric Rehabilitation Services for Facilities Subject to Subpart T
- 300.6060 Discharge Plans for Residents of Facilities Subject to Subpart T
- 300.6070 Work Programs for Residents of Facilities Subject to Subpart T
- 300.6080 Community-Based Rehabilitation Programs for Residents of Facilities Subject to Subpart T
- 300.6090 Personnel for Providing Services to Residents of Facilities Subject to Subpart T
- 300.6095 Training and Continuing Education for Facilities Subject to Subpart T

SUBPART U: ALZHEIMER'S SPECIAL CARE UNIT OR CENTER PROVIDING

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

CARE TO PERSONS WITH ALZHEIMER'S DISEASE OR OTHER DEMENTIA

Section

300.7000	Applicability
300.7010	Admission Criteria
300.7020	Assessment and Care Planning
300.7030	Ability-Centered Care
300.7040	Activities
300.7050	Staffing
300.7060	Environment
300.7070	Quality Assessment and Improvement
300.7080	Variances to Enhance Residents' Quality of Life
300.APPENDIX A	Interpretation, Components, and Illustrative Services for Intermediate Care Facilities and Skilled Nursing Facilities (Repealed)
300.APPENDIX B	Classification of Distinct Part of a Facility for Different Levels of Service (Repealed)
300.APPENDIX C	Federal Requirements Regarding Patients'/Residents' Rights (Repealed)
300.APPENDIX D	Forms for Day Care in Long-Term Care Facilities
300.APPENDIX E	Criteria for Activity Directors Who Need Only Minimal Consultation (Repealed)
300.APPENDIX F	Guidelines for the Use of Various Drugs
300.APPENDIX G	Facility Report
300.TABLE A	Sound Transmission Limitations in New Skilled Nursing and Intermediate Care Facilities
300.TABLE B	Pressure Relationships and Ventilation Rates of Certain Areas for New Intermediate Care Facilities and Skilled Nursing Facilities
300.TABLE C	Construction Types and Sprinkler Requirements for Existing Skilled Nursing Facilities/Intermediate Care Facilities
300.TABLE D	Heat Index Table/Apparent Temperature

AUTHORITY: Implementing and authorized by the Nursing Home Care Act [210 ILCS 45].

SOURCE: Emergency rules adopted at 4 Ill. Reg. 10, p. 1066, effective March 1, 1980, for a maximum of 150 days; adopted at 4 Ill. Reg. 30, p. 311, effective July 28, 1980; emergency amendment at 6 Ill. Reg. 3229, effective March 8, 1982, for a maximum of 150 days; amended at 6 Ill. Reg. 5981, effective May 3, 1982; amended at 6 Ill. Reg. 6454, effective May 14, 1982; amended at 6 Ill. Reg. 8198, effective June 29, 1982; amended at 6 Ill. Reg. 11631, effective September 14, 1982; amended at 6 Ill. Reg. 14550 and 14554, effective November 8, 1982; amended at 6 Ill. Reg. 14684, effective November 15, 1982; amended at 7 Ill. Reg. 285, effective

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

December 22, 1982; amended at 7 Ill. Reg. 1972, effective January 28, 1983; amended at 7 Ill. Reg. 8579, effective July 11, 1983; amended at 7 Ill. Reg. 15831, effective November 10, 1983; amended at 7 Ill. Reg. 15864, effective November 15, 1983; amended at 7 Ill. Reg. 16992, effective December 14, 1983; amended at 8 Ill. Reg. 15599, 15603, and 15606, effective August 15, 1984; amended at 8 Ill. Reg. 15947, effective August 17, 1984; amended at 8 Ill. Reg. 16999, effective September 5, 1984; codified at 8 Ill. Reg. 19766; amended at 8 Ill. Reg. 24186, effective November 29, 1984; amended at 8 Ill. Reg. 24668, effective December 7, 1984; amended at 8 Ill. Reg. 25102, effective December 14, 1984; amended at 9 Ill. Reg. 132, effective December 26, 1984; amended at 9 Ill. Reg. 4087, effective March 15, 1985; amended at 9 Ill. Reg. 11049, effective July 1, 1985; amended at 11 Ill. Reg. 16927, effective October 1, 1987; amended at 12 Ill. Reg. 1052, effective December 24, 1987; amended at 12 Ill. Reg. 16811, effective October 1, 1988; emergency amendment at 12 Ill. Reg. 18477, effective October 24, 1988, for a maximum of 150 days; emergency expired March 23, 1989; amended at 13 Ill. Reg. 4684, effective March 24, 1989; amended at 13 Ill. Reg. 5134, effective April 1, 1989; amended at 13 Ill. Reg. 20089, effective December 1, 1989; amended at 14 Ill. Reg. 14950, effective October 1, 1990; amended at 15 Ill. Reg. 554, effective January 1, 1991; amended at 16 Ill. Reg. 681, effective January 1, 1992; amended at 16 Ill. Reg. 5977, effective March 27, 1992; amended at 16 Ill. Reg. 17089, effective November 3, 1992; emergency amendment at 17 Ill. Reg. 2420, effective February 3, 1993, for a maximum of 150 days; emergency expired on July 3, 1993; emergency amendment at 17 Ill. Reg. 8026, effective May 6, 1993, for a maximum of 150 days; emergency expired on October 3, 1993; amended at 17 Ill. Reg. 15106, effective September 3, 1993; amended at 17 Ill. Reg. 16194, effective January 1, 1994; amended at 17 Ill. Reg. 19279, effective October 26, 1993; amended at 17 Ill. Reg. 19604, effective November 4, 1993; amended at 17 Ill. Reg. 21058, effective November 20, 1993; amended at 18 Ill. Reg. 1491, effective January 14, 1994; amended at 18 Ill. Reg. 15868, effective October 15, 1994; amended at 19 Ill. Reg. 11600, effective July 29, 1995; emergency amendment at 20 Ill. Reg. 567, effective January 1, 1996, for a maximum of 150 days; emergency expired May 29, 1996; amended at 20 Ill. Reg. 10142, effective July 15, 1996; amended at 20 Ill. Reg. 12208, effective September 10, 1996; amended at 21 Ill. Reg. 15000, effective November 15, 1997; amended at 22 Ill. Reg. 4094, effective February 13, 1998; amended at 22 Ill. Reg. 7218, effective April 15, 1998; amended at 22 Ill. Reg. 16609, effective September 18, 1998; amended at 23 Ill. Reg. 1103, effective January 15, 1999; amended at 23 Ill. Reg. 8106, effective July 15, 1999; amended at 24 Ill. Reg. 17330, effective November 1, 2000; amended at 25 Ill. Reg. 4911, effective April 1, 2001; amended at 26 Ill. Reg. 3113, effective February 15, 2002; amended at 26 Ill. Reg. 4846, effective April 1, 2002; amended at 26 Ill. Reg. 10523, effective July 1, 2002; emergency amendment at 27 Ill. Reg. 2181, effective February 1, 2003, for a maximum of 150 days; emergency expired June 30, 2003; emergency amendment at 27 Ill. Reg. 5452, effective March 25, 2003, for a maximum of 150 days; emergency expired August 21, 2003; amended at 27 Ill. Reg. 5862, effective April 1, 2003; emergency amendment at 27 Ill. Reg. 14204, effective

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

August 15, 2003, for a maximum of 150 days; emergency expired January 11, 2004; amended at 27 Ill. Reg. 15855, effective September 25, 2003; amended at 27 Ill. Reg. 18105, effective November 15, 2003; expedited correction at 28 Ill. Reg. 3528, effective November 15, 2003; amended at 28 Ill. Reg. 11180, effective July 22, 2004; amended at 28 Ill. Reg. 14623, effective October 20, 2004; amended at 29 Ill. Reg. 876, effective December 22, 2004; emergency amendment at 29 Ill. Reg. 11824, effective July 12, 2005, for a maximum of 150 days; emergency rule modified in response to JCAR Recommendation at 29 Ill. Reg. 15101, effective September 23, 2005, for the remainder of the maximum 150 days; emergency amendment expired December 8, 2005; amended at 29 Ill. Reg. 12852, effective August 2, 2005; amended at 30 Ill. Reg. 1425, effective January 23, 2006; amended at 30 Ill. Reg. 5213, effective March 2, 2006; amended at 31 Ill. Reg. 6044, effective April 3, 2007; amended at 31 Ill. Reg. 8813, effective June 6, 2007; amended at 33 Ill. Reg. 9356, effective June 17, 2009; amended at 34 Ill. Reg. 19182, effective November 23, 2010; amended at 35 Ill. Reg. 3378, effective February 14, 2011; amended at 35 Ill. Reg. 11419, effective June 29, 2011; expedited correction at 35 Ill. Reg. 17468, effective June 29, 2011; amended at 36 Ill. Reg. 14090, effective August 30, 2012; amended at 37 Ill. Reg. 2298, effective February 4, 2013.

SUBPART C: POLICIES

Section 300.670 Disaster Preparedness

- a) For the purpose of this Section only, "disaster" means an occurrence, as a result of a natural force or mechanical failure such as water, wind or fire, or a lack of essential resources such as electrical power, that poses a threat to the safety and welfare of residents, personnel, and others present in the facility.
- b) Each facility shall have policies covering disaster preparedness, including a written plan for staff, residents and others to follow. The plan shall include, but not be limited to, the following:
 - 1) Proper instruction in the use of fire extinguishers for all personnel employed on the premises;
 - 2) A diagram of the evacuation route, which shall be posted and made familiar to all personnel employed on the premises;
 - 3) A written plan for moving residents to safe locations within the facility in the event of a tornado warning or severe thunderstorm warning; and

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

- 4) An established means of facility notification when the National Weather Service issues a tornado or severe thunderstorm warning that covers the area in which the facility is located. The notification mechanism shall be other than commercial radio or television. Approved notification measures include being within range of local tornado warning sirens, an operable National Oceanic and Atmospheric Administration weather radio in the facility, or arrangements with local public safety agencies (police, fire, emergency management agency) to be notified if a warning is issued.
- c) Fire drills shall be held at least quarterly for each shift of facility personnel. Disaster drills for other than fire shall be held twice annually for each shift of facility personnel. Drills shall be held under varied conditions to:
 - 1) Ensure that all personnel on all shifts are trained to perform assigned tasks;
 - 2) Ensure that all personnel on all shifts are familiar with the use of the fire-fighting equipment in the facility; and
 - 3) Evaluate the effectiveness of disaster plans and procedures.
- d) Fire drills shall include simulation of the evacuation of residents to safe areas during at least one drill each year on each shift.
- e) The facility shall provide for the evacuation of physically handicapped persons, including those who are hearing or sight impaired.
- f) If the welfare of the residents precludes an actual evacuation of an entire building, the facility shall conduct drills involving the evacuation of successive portions of the building under conditions that assure the capability of evacuating the entire building with the personnel usually available, should the need arise.
- g) A written evaluation of each drill shall be submitted to the facility administrator and shall be maintained for one year.
- h) A written plan shall be developed for temporarily relocating the residents for any disaster requiring relocation and at any time that the temperature in residents' bedrooms falls below 55°F. for 12 hours or more.

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

- i) Reporting of Disasters
 - 1) Upon the occurrence of any disaster requiring hospital service, police, fire department or coroner, the facility administrator or designee shall provide a preliminary report to the Department either by using the nursing home hotline or by directly contacting the appropriate Department Regional Office during business hours. This preliminary report shall include, at a minimum:
 - A) The name and location of the facility;
 - B) The type of disaster;
 - C) The number of injuries or deaths to residents;
 - D) The number of beds not usable due to the occurrence;
 - E) An estimate of the extent of damages to the facility;
 - F) The type of assistance needed, if any; and
 - G) A list of other State or local agencies notified about the problem.
 - 2) If the disaster will not require direct Departmental assistance, the facility shall provide a preliminary report within 24 hours after the occurrence. Additionally, the facility shall submit a full written account to the Department within seven days after the occurrence, which includes the information specified in subsection (i)(1) of this Section and a statement of actions taken by the facility after the preliminary report.
- j) Each facility shall establish and implement policies and procedures in a written plan to provide for the health, safety, welfare and comfort of all residents when the heat index/apparent temperature (see Section 300.Table D), as established by the National Oceanic and Atmospheric Administration, inside the facility exceeds 80°F.
- k) Coordination with Local Authorities
 - 1) Annually, each facility shall forward copies of all disaster policies and

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

plans required under this Section to the local health authority and local emergency management agency having jurisdiction.

- 2) Annually, each facility shall forward copies of its emergency water supply agreements, required under Section ~~300.2620(d)~~300.2610(b), to the local health authority and local emergency management agency having jurisdiction.
- 3) Each facility shall provide a description of its emergency source of electrical power, including the services connected to the source, to the local health authority and local emergency management agency having jurisdiction. The facility shall inform the local health authority and local emergency management agency at any time that the emergency source of power or services connected to the source are changed.
- 4) When requested by the local health authority and the local emergency management agency, the facility shall participate in emergency planning activities.

(Source: Amended at 37 Ill. Reg. 2298, effective February 4, 2013)

Section 300.690 Incidents and Accidents

- a) The facility shall maintain a file of all written reports of each incident and accident affecting a resident that is not the expected outcome of a resident's condition or disease process. A descriptive summary of each incident or accident affecting a resident shall also be recorded in the progress notes or nurse's notes of that resident.
- b) The facility shall notify the Department of any serious incident or accident. For purposes of this Section, "serious" means any incident or accident that causes physical harm or injury to a resident.
- c) The facility shall, by fax or phone, notify the Regional Office within 24 hours after each reportable incident or accident. If a reportable incident or accident results in the death of a resident, the facility shall, after contacting local law enforcement pursuant to Section 300.695, notify the Regional Office by phone only. For the purposes of this Section, "notify the Regional Office by phone only" means talk with a Department representative who confirms over the phone

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

that the requirement to notify the Regional Office by phone has been met. If the facility is unable to contact the Regional Office, it shall notify the Department's toll-free complaint registry hotline. The facility shall send a narrative summary of each reportable accident or incident to the Department within seven days after the occurrence.

(Source: Amended at 37 Ill. Reg. 2298, effective February 4, 2013)

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

- 1) Heading of the Part: Sheltered Care Facilities Code
- 2) Code Citation: 77 Ill. Adm. Code 330
- 3)

<u>Section Numbers:</u>	<u>Adopted Action:</u>
330.770	Amended
330.780	Amended
- 4) Statutory Authority: Nursing Home Care Act [210 ILCS 45]
- 5) Effective Date of Amendments: February 4, 2013
- 6) Does this rulemaking contain an automatic repeal date? No
- 7) Does this rulemaking contain incorporations by reference? No
- 8) A copy of the adopted amendments, including any material incorporated by reference, is on file in the agency's principal office and is available for public inspection.
- 9) Notice of Proposal Published in Illinois Register: 36 Ill. Reg. 11911; July 27, 2012
- 10) Has JCAR issued a Statement of Objection to these Amendments? No
- 11) Differences between Proposal and Final Version: Various typographical, grammatical and form changes were made in response to the comments from JCAR.
- 12) Have all the changes agreed upon by the agency and JCAR been made as indicated in the agreements issued by JCAR? No agreements were necessary.
- 13) Will this rulemaking replace an emergency rulemaking currently in effect? No
- 14) Are there any proposed rulemakings pending on this Part? Yes

<u>Section Number:</u>	<u>Proposed Action:</u>	<u>Illinois Register Citation:</u>
330.710	Amendment	36 Ill. Reg. 12225; August 3, 2012
- 15) Summary and Purpose of Rulemaking: The Sheltered Care Facilities Code regulates sheltered care facilities, including the records they are required to keep on incidents and accidents, and the procedures for reporting incidents and accidents to the Department.

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

The amendment to Section 330.780 (Incidents and Accidents) adds a requirement for reporting the death of a resident when that death is the result of an incident or accident. The facility will be required to notify the Department "by phone only", which is described as talking with a Department representative who confirms that the requirement to notify the Regional Office by phone has been met. This rulemaking should ensure that the Department is properly informed when an incident or accident results in the death of a resident.

Section 330.770 was amended to correct a cross-reference.

- 16) Information and questions regarding these adopted amendments shall be directed to:

Susan Meister
Division of Legal Services
Department of Public Health
535 West Jefferson, 5th Floor
Springfield, Illinois 62761

217/782-2043
e-mail: dph.rules@illinois.gov

The full text of the Adopted Amendments begins on the next page:

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

TITLE 77: PUBLIC HEALTH
CHAPTER I: DEPARTMENT OF PUBLIC HEALTH
SUBCHAPTER c: LONG-TERM CARE FACILITIESPART 330
SHELTERED CARE FACILITIES CODE

SUBPART A: GENERAL PROVISIONS

Section	
330.110	General Requirements
330.120	Application for License
330.130	Licensee
330.140	Issuance of an Initial License For a New Facility
330.150	Issuance of an Initial License Due to a Change of Ownership
330.160	Issuance of a Renewal License
330.163	Alzheimer's Special Care Disclosure
330.165	Criteria for Adverse Licensure Actions
330.170	Denial of Initial License
330.175	Denial of Renewal of License
330.180	Revocation of License
330.190	Experimental Program Conflicting With Requirements
330.200	Inspections, Surveys, Evaluations and Consultation
330.210	Filing an Annual Attested Financial Statement
330.220	Information to be Made Available to the Public By the Department
330.230	Information to be Made Available to the Public By the Licensee
330.240	Municipal Licensing
330.250	Ownership Disclosure
330.260	Issuance of Conditional Licenses
330.270	Monitoring and Receivership
330.271	Presentation of Findings
330.272	Determination to Issue a Notice of Violation or Administrative Warning
330.274	Determination of the Level of a Violation
330.276	Notice of Violation
330.277	Administrative Warning
330.278	Plans of Correction
330.280	Reports of Correction
330.282	Conditions for Assessment of Penalties
330.284	Calculation of Penalties (Repealed)

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

330.286	Notice of Penalty Assessment; Response by Facility
330.287	Consideration of Factors for Assessing Penalties
330.288	Reduction or Waiver of Penalties
330.290	Quarterly List of Violators (Repealed)
330.300	Alcoholism Treatment Programs In Long-Term Care Facilities
330.310	Department May Survey Facilities Formerly Licensed
330.315	Supported Congregate Living Arrangement Demonstration
330.320	Waivers
330.330	Definitions
330.340	Incorporated and Referenced Materials

SUBPART B: ADMINISTRATION

Section	
330.510	Administrator

SUBPART C: POLICIES

Section	
330.710	Resident Care Policies
330.715	Request for Resident Criminal History Record Information
330.720	Admission and Discharge Policies
330.724	Criminal History Background Checks for Persons Who Were Residents on May 10, 2006 (Repealed)
330.725	Identified Offenders
330.726	Discharge Planning for Identified Offenders
330.727	Transfer of an Identified Offender
330.730	Contract Between Resident and Facility
330.740	Residents' Advisory Council
330.750	General Policies
330.760	Personnel Policies
330.761	Whistleblower Protection
330.765	Initial Health Evaluation for Employees
330.770	Disaster Preparedness
330.780	Incidents and Accidents
330.785	Contacting Local Law Enforcement
330.790	Infection Control
330.795	Language Assistance Services

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

SUBPART D: PERSONNEL

Section

- 330.910 Personnel
- 330.911 Health Care Worker Background Check
- 330.913 Nursing and Personal Care Assistants (Repealed)
- 330.916 Student Interns (Repealed)
- 330.920 Consultation Services
- 330.930 Personnel Policies

SUBPART E: HEALTH SERVICES AND MEDICAL CARE OF RESIDENTS

Section

- 330.1110 Medical Care Policies
- 330.1120 Personal Care
- 330.1125 Life Sustaining Treatments
- 330.1130 Communicable Disease Policies
- 330.1135 Tuberculin Skin Test Procedures
- 330.1140 Care and Treatment of Sexual Assault Survivors
- 330.1145 Restraints
- 330.1150 Emergency Use of Physical Restraints
- 330.1155 Unnecessary, Psychotropic, and Antipsychotic Drugs
- 330.1160 Vaccinations

SUBPART F: RESTORATIVE SERVICES

Section

- 330.1310 Activity Program
- 330.1320 Work Programs
- 330.1330 Written Policies for Restorative Services
- 330.1340 Volunteer Program

SUBPART G: MEDICATIONS

Section

- 330.1510 Medication Policies
- 330.1520 Administration of Medication
- 330.1530 Labeling and Storage of Medications

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

SUBPART H: RESIDENT AND FACILITY RECORDS

Section

- 330.1710 Resident Record Requirements
- 330.1720 Content of Medical Records
- 330.1730 Records Pertaining to Residents' Property
- 330.1740 Retention and Transfer of Resident Records
- 330.1750 Other Resident Record Requirements
- 330.1760 Retention of Facility Records
- 330.1770 Other Facility Record Requirements

SUBPART I: FOOD SERVICE

Section

- 330.1910 Director of Food Services
- 330.1920 Dietary Staff in Addition to Director of Food Services
- 330.1930 Hygiene of Dietary Staff
- 330.1940 Diet Orders
- 330.1950 Meal Planning
- 330.1960 Therapeutic Diets (Repealed)
- 330.1970 Scheduling of Meals
- 330.1980 Menus and Food Records
- 330.1990 Food Preparation and Service
- 330.2000 Food Handling Sanitation
- 330.2010 Kitchen Equipment, Utensils, and Supplies

SUBPART J: MAINTENANCE, HOUSEKEEPING AND LAUNDRY

Section

- 330.2210 Maintenance
- 330.2220 Housekeeping
- 330.2230 Laundry Services

SUBPART K: FURNISHINGS, EQUIPMENT, AND SUPPLIES

Section

- 330.2410 Furnishings
- 330.2420 Equipment and Supplies

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

SUBPART L: WATER SUPPLY AND SEWAGE DISPOSAL

Section

330.2610	Codes
330.2620	Water Supply
330.2630	Sewage Disposal
330.2640	Plumbing

SUBPART M: DESIGN AND CONSTRUCTION STANDARDS FOR
NEW SHELTERED CARE FACILITIES

Section

330.2810	Applicable Requirements (Repealed)
330.2820	Applicability of These Standards
330.2830	Submission of a Program Narrative
330.2840	New Constructions, Additions, Conversions, and Alterations
330.2850	Preparation and Submission of Drawings and Specifications
330.2860	First Stage Drawings
330.2870	Second Stage Drawings
330.2880	Architectural Drawings
330.2890	Structural Drawings
330.3000	Mechanical Drawings
330.3010	Electrical Drawings
330.3020	Additions to Existing Structures
330.3030	Specifications
330.3040	Building Codes
330.3050	Site
330.3060	General Building Requirements
330.3070	Administration
330.3080	Corridors
330.3090	Bath and Toilet Rooms
330.3100	Living, Dining, Activity Rooms
330.3110	Bedrooms
330.3120	Special Care Room
330.3130	Kitchen
330.3140	Laundry
330.3150	Housekeeping, Service, and Storage
330.3160	Plumbing
330.3170	Heating and Cooling

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

330.3180 Electrical

SUBPART N: FIRE PROTECTION STANDARDS FOR
NEW SHELTERED CARE FACILITIES

Section

330.3310 Applicable Requirements (Repealed)
330.3320 Applicability of These Standards
330.3330 Fire Protection
330.3340 Fire Department Service and Water Supply
330.3350 General Building Requirements
330.3360 Exit Facilities and Subdivision of Floor Areas
330.3370 Stairways, Vertical Openings, and Doorways
330.3380 Corridors
330.3390 Exit Lights and Directional Signs
330.3400 Hazardous Areas and Combustible Storage
330.3410 Fire Alarm and Detection System
330.3420 Fire Extinguishers, Electric Wiring, and Miscellaneous
330.3430 Use of Fire Extinguishers, Evacuation Plan, and Fire Drills

SUBPART O: DESIGN AND CONSTRUCTION STANDARDS FOR
EXISTING SHELTERED CARE FACILITIES

Section

330.3610 Site
330.3620 General Building Requirements
330.3630 Administration
330.3640 Corridors
330.3650 Bath and Toilet Rooms
330.3660 Living, Dining, and Activity Rooms
330.3670 Bedrooms
330.3680 Special Care Room
330.3690 Kitchen
330.3700 Laundry Room
330.3710 Housekeeping and Service Rooms and Storage Space
330.3720 Plumbing and Heating
330.3730 Electrical

SUBPART P: FIRE PROTECTION STANDARDS FOR

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

EXISTING SHELTERED CARE FACILITIES

Section

330.3910	Fire Protection
330.3920	Fire Department Service and Water Supply
330.3930	Occupancy and Fire Areas
330.3940	Exit Facilities and Subdivision of Floor Areas
330.3950	Stairways, Vertical Openings, and Doorways
330.3960	Exit and Fire Escape Lights and Directional Signs
330.3970	Hazardous Areas and Combustible Storage
330.3980	Fire Alarm and Detection System
330.3990	Fire Extinguishers, Electric Wiring, and Miscellaneous
330.4000	Use of Fire Extinguishers, Evacuation Plan, and Fire Drills

SUBPART Q: RESIDENT'S RIGHTS

Section

330.4210	General
330.4220	Medical Care
330.4230	Restraints (Repealed)
330.4240	Abuse and Neglect
330.4250	Communication and Visitation
330.4260	Resident's Funds
330.4270	Residents' Advisory Council
330.4280	Contract With Facility
330.4290	Private Right of Action
330.4300	Transfer or Discharge
330.4310	Complaint Procedures
330.4320	Confidentiality
330.4330	Facility Implementation

SUBPART R: DAY CARE PROGRAMS

Section

330.4510	Day Care in Long-Term Care Facilities
330.APPENDIX A	Interpretation, Components, and Illustrative Services for Sheltered Care Facilities (Repealed)
330.APPENDIX B	Classification of Distinct Part of a Facility For Different Levels of Service

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

	(Repealed)
330.APPENDIX C	Forms for Day Care in Long-Term Care Facilities
330.APPENDIX D	Criteria for Activity Directors Who Need Only Minimal Consultation (Repealed)
330.APPENDIX E	Guidelines for the Use of Various Drugs
330.TABLE A	Heat Index Table/Apparent Temperature

AUTHORITY: Implementing and authorized by the Nursing Home Care Act [210 ILCS 45].

SOURCE: Emergency rules adopted at 4 Ill. Reg. 10, p. 807, effective March 1, 1980, for a maximum of 150 days; adopted at 4 Ill. Reg. 30, p. 933, effective July 28, 1980; amended at 6 Ill. Reg. 5981, effective May 3, 1982; amended at 6 Ill. Reg. 8198, effective June 29, 1982; amended at 6 Ill. Reg. 14547, effective November 8, 1982; amended at 6 Ill. Reg. 14681, effective November 15, 1982; amended at 7 Ill. Reg. 1963, effective January 28, 1983; amended at 7 Ill. Reg. 6973, effective May 17, 1983; amended at 7 Ill. Reg. 15825, effective November 15, 1983; amended at 8 Ill. Reg. 15596, effective August 15, 1984; amended at 8 Ill. Reg. 15941, effective August 17, 1984; codified at 8 Ill. Reg. 19790; amended at 8 Ill. Reg. 24241, effective November 28, 1984; amended at 8 Ill. Reg. 24696, effective December 7, 1984; amended at 9 Ill. Reg. 2952, effective February 25, 1985; amended at 9 Ill. Reg. 10974, effective July 1, 1985; amended at 11 Ill. Reg. 16879, effective October 1, 1987; amended at 12 Ill. Reg. 1017, effective December 24, 1987; amended at 12 Ill. Reg. 16870, effective October 1, 1988; emergency amendment at 12 Ill. Reg. 18939, effective October 24, 1988, for a maximum of 150 days; emergency expired March 23, 1989; amended at 13 Ill. Reg. 6562, effective April 17, 1989; amended at 13 Ill. Reg. 19580, effective December 1, 1989; amended at 14 Ill. Reg. 14928, effective October 1, 1990; amended at 15 Ill. Reg. 516, effective January 1, 1991; amended at 16 Ill. Reg. 651, effective January 1, 1992; amended at 16 Ill. Reg. 14370, effective September 3, 1992; emergency amendment at 17 Ill. Reg. 2405, effective February 3, 1993, for a maximum of 150 days; emergency expired on July 3, 1993; emergency amendment at 17 Ill. Reg. 8000, effective May 6, 1993, for a maximum of 150 days; emergency expired on October 3, 1993; amended at 17 Ill. Reg. 15089, effective September 3, 1993; amended at 17 Ill. Reg. 16180, effective January 1, 1994; amended at 17 Ill. Reg. 19258, effective October 26, 1993; amended at 17 Ill. Reg. 19576, effective November 4, 1993; amended at 17 Ill. Reg. 21044, effective November 20, 1993; amended at 18 Ill. Reg. 1475, effective January 14, 1994; amended at 18 Ill. Reg. 15851, effective October 15, 1994; amended at 19 Ill. Reg. 11567, effective July 29, 1995; emergency amendment at 20 Ill. Reg. 552, effective January 1, 1996, for a maximum of 150 days; emergency expired on May 29, 1996; amended at 20 Ill. Reg. 10125, effective July 15, 1996; amended at 20 Ill. Reg. 12160, effective September 10, 1996; amended at 22 Ill. Reg. 4078, effective February 13, 1998; amended at 22 Ill. Reg. 7203, effective April 15, 1998; amended at 22 Ill. Reg. 16594, effective September 18, 1998; amended at 23 Ill. Reg. 1085,

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

effective January 15, 1999; amended at 23 Ill. Reg. 8064, effective July 15, 1999; amended at 24 Ill. Reg. 17304, effective November 1, 2000; amended at 25 Ill. Reg. 4901, effective April 1, 2001; amended at 26 Ill. Reg. 4859, effective April 1, 2002; amended at 26 Ill. Reg. 10559, effective July 1, 2002; emergency amendment at 27 Ill. Reg. 2202, effective February 1, 2003, for a maximum of 150 days; emergency expired June 30, 2003; emergency amendment at 27 Ill. Reg. 5473, effective March 25, 2003, for a maximum of 150 days; emergency expired August 21, 2003; amended at 27 Ill. Reg. 5886, effective April 1, 2003; emergency amendment at 27 Ill. Reg. 14218, effective August 15, 2003, for a maximum of 150 days; emergency expired January 11, 2004; amended at 27 Ill. Reg. 15880, effective September 25, 2003; amended at 27 Ill. Reg. 18130, effective November 15, 2003; expedited correction at 28 Ill. Reg. 3541, effective November 15, 2003; amended at 28 Ill. Reg. 11195, effective July 22, 2004; emergency amendment at 29 Ill. Reg. 11879, effective July 12, 2005, for a maximum of 150 days; emergency rule modified in response to JCAR Recommendation at 29 Ill. Reg. 15156, effective September 23, 2005, for the remainder of the maximum 150 days; emergency amendment expired December 8, 2005; amended at 29 Ill. Reg. 12891, effective August 2, 2005; amended at 30 Ill. Reg. 1439, effective January 23, 2006; amended at 30 Ill. Reg. 5260, effective March 2, 2006; amended at 31 Ill. Reg. 6072, effective April 3, 2007; amended at 31 Ill. Reg. 8828, effective June 6, 2007; amended at 33 Ill. Reg. 9371, effective June 17, 2009; amended at 34 Ill. Reg. 19199, effective November 23, 2010; amended at 35 Ill. Reg. 3415, effective February 14, 2011; amended at 35 Ill. Reg. 11513, effective June 29, 2011; amended at 37 Ill. Reg. 2315, effective February 4, 2013.

SUBPART C: POLICIES

Section 330.770 Disaster Preparedness

- a) For the purpose of this Section only, "disaster" means an occurrence, as a result of a natural force or mechanical failure such as water, wind or fire, or a lack of essential resources such as electrical power, that poses a threat to the safety and welfare of residents, personnel, and others present in the facility.
- b) Each facility shall have policies covering disaster preparedness, including a written plan for staff, residents and others to follow. The plan shall include, but not be limited to, the following:
 - 1) Proper instruction in the use of fire extinguishers for all personnel employed on the premises;
 - 2) A diagram of the evacuation route, which shall be posted and made

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

familiar to all personnel employed on the premises;

- 3) A written plan for moving residents to safe locations within the facility in the event of a tornado warning or severe thunderstorm warning; and
 - 4) An established means of facility notification when the National Weather Service issues a tornado or severe thunderstorm warning that covers the area in which the facility is located. The notification mechanism shall be other than commercial radio or television. Approved notification measures include being within range of local tornado warning sirens, an operable National Oceanic and Atmospheric Administration weather radio in the facility, or arrangements with local public safety agencies (police, fire, emergency management agency) to be notified if a warning is issued.
- c) Fire drills shall be held at least quarterly for each shift of facility personnel. Disaster drills for other than fire shall be held twice annually for each shift of facility personnel. Drills shall be held under varied conditions to:
- 1) Ensure that all personnel on all shifts are trained to perform assigned tasks;
 - 2) Ensure that all personnel on all shifts are familiar with the use of the fire-fighting equipment in the facility; and
 - 3) Evaluate the effectiveness of disaster plans and procedures.
- d) Fire drills shall include simulation of the evacuation of residents to safe areas during at least one drill each year on each shift.
- e) The facility shall provide for the evacuation of physically handicapped persons, including those who are hearing or sight impaired.
- f) If the welfare of the residents precludes an actual evacuation of an entire building, the facility shall conduct drills involving the evacuation of successive portions of the building under conditions that assure the capability of evacuating the entire building with the personnel usually available, should the need arise.
- g) A written evaluation of each drill shall be submitted to the facility administrator and shall be maintained for one year.

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

- h) A written plan shall be developed for temporarily relocating the residents for any disaster requiring relocation and at any time that the temperature in residents' bedrooms falls below 55°F. for 12 hours or more.
- i) Reporting of Disasters
- 1) Upon the occurrence of any disaster requiring hospital service, police, fire department or coroner, the facility administrator or designee shall provide a preliminary report to the Department either by using the nursing home hotline or by directly contacting the appropriate Department Regional Office during business hours. This preliminary report shall include, at a minimum:
- A) The name and location of the facility;
 - B) The type of disaster;
 - C) The number of injuries or deaths to residents;
 - D) The number of beds not usable due to the occurrence;
 - E) An estimate of the extent of damages to the facility;
 - F) The type of assistance needed, if any; and
 - G) A list of other State or local agencies notified about the problem.
- 2) If the disaster will not require direct Departmental assistance, the facility shall provide a preliminary report within 24 hours after the occurrence. Additionally, the facility shall submit a full written account to the Department within seven days after the occurrence, which includes the information specified in subsection (i)(1) of this Section and a statement of action taken by the facility after the preliminary report.
- j) Each facility shall establish and implement policies and procedures in a written plan to provide for the health, safety, welfare and comfort of all residents when the heat index/apparent temperature (see Section 330. Table A), as established by the National Oceanic and Atmospheric Administration, inside the facility exceeds

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

80°F.

- k) Coordination with Local Authorities
- 1) Annually, each facility shall forward copies of all disaster policies and plans required under this Section to the local health authority and local emergency management agency having jurisdiction.
 - 2) Annually, each facility shall forward copies of its emergency water supply agreements, required under Section ~~330.2620(d)~~[330.2610](#), to the local health authority and local emergency management agency having jurisdiction.
 - 3) Each facility shall provide a description of its emergency source of electrical power, including the services connected to the source, to the local health authority and local emergency management agency having jurisdiction. The facility shall inform the local health authority and local emergency management agency at any time that the emergency source of power or services connected to the source are changed.
 - 4) When requested by the local health authority and the local emergency management agency, the facility shall participate in emergency planning activities.

(Source: Amended at 37 Ill. Reg. 2315, effective February 4, 2013)

Section 330.780 Incidents and Accidents

- a) The facility shall maintain a file of all written reports of each incident and accident affecting a resident that is not the expected outcome of a resident's condition or disease process. A descriptive summary of each incident or accident affecting a resident shall also be recorded in the progress notes or nurse's notes of that resident.
- b) The facility shall notify the Department of any serious incident or accident. For purposes of this Section, "serious" means any incident or accident that causes physical harm or injury to a resident.
- c) The facility shall, by fax or phone, notify the Regional Office within 24 hours

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

after each reportable incident or accident. If a reportable incident or accident results in the death of a resident, the facility shall, after contacting local law enforcement pursuant to Section 330.785, notify the Regional Office by phone only. For the purposes of this Section, "notify the Regional Office by phone only" means talk with a Department representative who confirms over the phone that the requirement to notify the Regional Office by phone has been met. If the facility is unable to contact the Regional Office, it shall notify the Department's toll-free complaint registry hotline. The facility shall send a narrative summary of each reportable accident or incident to the Department within seven days after the occurrence.

(Source: Amended at 37 Ill. Reg. 2315, effective February 4, 2013)

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

- 1) Heading of the Part: Illinois Veterans' Homes Code
- 2) Code Citation: 77 Ill. Adm. Code 340
- 3)

<u>Section Numbers:</u>	<u>Adopted Action:</u>
340.1320	Amended
340.1330	Amended
- 4) Statutory Authority: Nursing Home Care Act [210 ILCS 45]
- 5) Effective Date of Amendments: February 4, 2013
- 6) Does this rulemaking contain an automatic repeal date? No
- 7) Does this rulemaking contain incorporations by reference? No
- 8) A copy of the adopted amendments, including any material incorporated by reference, is on file in the agency's principal office and is available for public inspection.
- 9) Notice of Proposal Published in the *Illinois Register*: 36 Ill. Reg. 11926; July 27, 2012
- 10) Has JCAR issued a Statement of Objection to these Amendments? No
- 11) Differences between Proposal and Final Version: Various typographical, grammatical and form changes were made in response to the comments from JCAR.
- 12) Have all the changes agreed upon by the agency and JCAR been made as indicated in the agreements issued by JCAR? No agreements were necessary.
- 13) Will this rulemaking replace any emergency rulemaking currently in effect? No
- 14) Are there any proposed rulemakings pending on this Part? Yes

<u>Section Number:</u>	<u>Proposed Action:</u>	<u>Illinois Register Citation:</u>
340.1300	Amendment	36 Ill. Reg. 12238; August 3, 2012
- 15) Summary and Purpose of Rulemaking: The Illinois Veterans' Homes Code regulates veterans' homes, including the records they are required to keep on incidents and accidents, and the procedures for reporting incidents and accidents to the Department. The

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

amendment to Section 340.1330 (Incidents and Accidents) adds a requirement for reporting the death of a resident when that death is the result of an incident or accident. The facility will be required to notify the Department "by phone only", which is described as talking with a Department representative who confirms that the requirement to notify the Regional Office by phone have been met. This rulemaking should ensure that the Department is properly informed when an incident or accident results in the death of a resident.

Section 340.1320 was amended to correct a cross-reference.

- 16) Information and questions regarding these adopted amendments shall be directed to:

Susan Meister
Division of Legal Services
Department of Public Health
535 West Jefferson, 5th Floor
Springfield, Illinois 62761

217/782-2043
e-mail: dph.rules@illinois.gov

The full text of the Adopted Amendments begins on the next page:

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

TITLE 77: PUBLIC HEALTH
CHAPTER I: DEPARTMENT OF PUBLIC HEALTH
SUBCHAPTER c: LONG-TERM CARE FACILITIES

PART 340
ILLINOIS VETERANS' HOMES CODE

SUBPART A: GENERAL PROVISIONS

Section

340.1000	Definitions
340.1010	Incorporated and Referenced Materials
340.1110	General Requirements
340.1115	Federal Veterans' Regulations
340.1120	Application for License
340.1125	Alzheimer's Special Care Disclosure
340.1130	Criteria for Adverse Licensure Actions
340.1140	Denial of Initial License
340.1150	Revocation or Denial of Renewal of License
340.1160	Inspections, Surveys, Evaluations, and Consultations
340.1170	Presentation of Findings by the Department
340.1190	Ownership Disclosure
340.1200	Monitor and Receivership
340.1210	Determination of a Violation
340.1220	Determination of the Level of a Violation
340.1225	Administrative Warning
340.1230	Plans of Correction and Reports of Correction
340.1240	Calculation of Penalties (Repealed)
340.1245	Conditions for Assessment of Penalties
340.1250	Reduction or Waiver of Penalties
340.1255	Supported Congregate Living Arrangement Demonstration
340.1260	Waivers

SUBPART B: POLICIES AND FACILITY RECORDS

Section

340.1300	Facility Policies
340.1305	Request for Resident Criminal History Record Information
340.1310	Admission, Retention and Discharge Policies

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

- 340.1314 Criminal History Background Checks for Persons Who Were Residents on May 10, 2006 (Repealed)
- 340.1315 Identified Offenders
- 340.1316 Discharge Planning for Identified Offenders
- 340.1317 Transfer of an Identified Offender
- 340.1320 Disaster Preparedness
- 340.1330 Incidents and Accidents
- 340.1335 Infection Control
- 340.1340 Facility Record Requirements
- 340.1350 Personnel Policies
- 340.1351 Whistleblower Protection
- 340.1360 Initial Health Evaluation for Employees
- 340.1370 Administrator
- 340.1375 Personnel Requirements
- 340.1376 Registry of Certified Nursing Assistants
- 340.1377 Health Care Worker Background Check
- 340.1378 Resident Attendants
- 340.1380 Contacting Local Law Enforcement

SUBPART C: RESIDENT RIGHTS

Section

- 340.1400 Implementation of Resident Rights and Facility Responsibilities
- 340.1410 General
- 340.1420 Contract Between Resident and Facility
- 340.1430 Residents' Advisory Council
- 340.1440 Abuse and Neglect
- 340.1450 Communication and Visitation
- 340.1460 Resident's Funds
- 340.1470 Transfer or Discharge
- 340.1480 Complaint Procedures
- 340.1490 Private Right of Action

SUBPART D: HEALTH SERVICES

Section

- 340.1500 Medical Care Policies
- 340.1505 Medical, Nursing and Restorative Services
- 340.1510 Communicable Disease Policies

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

340.1520	Tuberculin Skin Test Procedures
340.1530	Physician Services
340.1535	Dental Programs
340.1540	Life-Sustaining Treatments
340.1550	Obstetrical and Gynecological Care
340.1560	Nursing Personnel
340.1570	Personal Care
340.1575	Care and Treatment of Sexual Assault Survivors
340.1580	Restraints
340.1590	Nonemergency Use of Physical Restraints
340.1600	Emergency Use of Physical Restraints
340.1610	Unnecessary, Psychotropic, and Antipsychotic Drugs
340.1620	Medication Administration (Repealed)
340.1630	Self-Administration of Medication (Renumbered)
340.1640	Vaccinations
340.1645	Language Assistance Services

SUBPART E: MEDICATIONS

Section	
340.1650	Medication Policies and Procedures
340.1655	Compliance with Licensed Prescriber's Orders
340.1660	Administration of Medication
340.1665	Control of Medication
340.1670	Labeling and Storage of Medication
340.1675	Self-Administration of Medication

SUBPART F: RESIDENT LIVING SERVICES

Section	
340.1700	Recreational and Activity Programs
340.1710	Social Services
340.1720	Work Programs
340.1730	Volunteer Program

SUBPART G: RESIDENT RECORDS

Section	
340.1800	Resident Record Requirements

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

340.1810	Content of Medical Records
340.1820	Records Pertaining to Resident's Property
340.1830	Retention, Transfer, and Inspection of Records
340.1840	Confidentiality of Resident's Records

SUBPART H: FOOD SERVICE

Section

340.1900	Food Service Staff
340.1910	Diet Orders
340.1920	Meal Planning
340.1930	Therapeutic Diets (Repealed)
340.1940	Menus and Food Records
340.1950	Food Preparation and Service
340.1960	Kitchen Equipment, Utensils and Supplies

SUBPART I: PHYSICAL PLANT SERVICES,
FURNISHINGS, EQUIPMENT AND SUPPLIES

Section

340.2000	Maintenance
340.2010	Water Supply, Sewage Disposal and Plumbing
340.2020	Housekeeping
340.2030	Laundry Services
340.2040	Furnishings
340.2050	Equipment and Supplies

340.TABLE A	Heat Index Table/Apparent Temperature
340.TABLE B	Guidelines for the Use of Various Drugs

AUTHORITY: Implementing and authorized by the Nursing Home Care Act [210 ILCS 45].

SOURCE: Emergency rule adopted at 18 Ill. Reg. 10391, effective June 21, 1994, for a maximum of 150 days; emergency rule expired November 18, 1994; adopted at 19 Ill. Reg. 5679, effective April 3, 1995; emergency amendment at 20 Ill. Reg. 496, effective January 1, 1996, for a maximum of 150 days; emergency expired May 29, 1996; amended at 20 Ill. Reg. 10045, effective July 15, 1996; amended at 20 Ill. Reg. 12013, effective September 10, 1996; amended at 22 Ill. Reg. 3959, effective February 13, 1998; amended at 22 Ill. Reg. 7162, effective April 15, 1998; amended at 23 Ill. Reg. 1038, effective January 15, 1999; amended at

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

23 Ill. Reg. 7931, effective July 15, 1999; amended at 24 Ill. Reg. 17225, effective November 1, 2000; amended at 25 Ill. Reg. 4869, effective April 1, 2001; amended at 26 Ill. Reg. 4870, effective April 1, 2002; amended at 26 Ill. Reg. 10589, effective July 1, 2002; emergency amendment at 27 Ill. Reg. 2222, effective February 1, 2003, for a maximum of 150 days; emergency expired June 30, 2003; amended at 27 Ill. Reg. 5903, effective April 1, 2003; emergency amendment at 27 Ill. Reg. 14230, effective August 15, 2003, for a maximum of 150 days; emergency expired January 11, 2004; amended at 27 Ill. Reg. 15904, effective September 25, 2003; amended at 27 Ill. Reg. 18148, effective November 15, 2003; amended at 28 Ill. Reg. 11209, effective July 22, 2004; emergency amendment at 29 Ill. Reg. 11931, effective July 12, 2005, for a maximum of 150 days; emergency rule modified in response to JCAR Recommendation at 29 Ill. Reg. 15208, effective September 23, 2005, for the remainder of the maximum 150 days; emergency amendment expired December 8, 2005; amended at 29 Ill. Reg. 12924, effective August 2, 2005; amended at 30 Ill. Reg. 1452, effective January 23, 2006; amended at 30 Ill. Reg. 5303, effective March 2, 2006; amended at 31 Ill. Reg. 6098, effective April 3, 2007; amended at 31 Ill. Reg. 8841, effective June 6, 2007; amended at 33 Ill. Reg. 9384, effective June 17, 2009; amended at 34 Ill. Reg. 19214, effective November 23, 2010; amended at 35 Ill. Reg. 3442, effective February 14, 2011; amended at 35 Ill. Reg. 11596, effective June 29, 2011; amended at 37 Ill. Reg. 2330, effective February 4, 2013.

SUBPART B: POLICIES AND FACILITY RECORDS

Section 340.1320 Disaster Preparedness

- a) For the purpose of this Section only, "disaster" means an occurrence, as a result of a natural force or mechanical failure such as water, wind or fire, or a lack of essential resources such as electrical power, that poses a threat to the safety and welfare of residents, personnel, and others present in the facility.
- b) Each facility shall have policies covering disaster preparedness, including a written plan for staff, residents and others to follow. The plan shall include, but not be limited to, the following:
 - 1) Proper instruction in the use of fire extinguishers for all personnel employed on the premises;
 - 2) A diagram of the evacuation route, which shall be posted and made familiar to all personnel employed on the premises;
 - 3) A written plan for moving residents to safe locations within the facility in

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

the event of tornado warning or severe thunderstorm warning; and

- 4) An established means of facility notification when the National Weather Service issues a tornado or severe thunderstorm warning that covers the area in which the facility is located. The notification mechanism shall be other than commercial radio or television. Approved notification measures include being within range of local tornado warning sirens, an operable National Oceanic and Atmospheric Administration weather radio in the facility, or arrangements with local public safety agencies (police, fire, emergency management agency) to be notified if a warning is issued.
- c) Fire drills shall be held at least quarterly for each shift of facility personnel. Disaster drills for other than fire shall be held twice annually for each shift of facility personnel. Drills shall be held under varied conditions to:
 - 1) Ensure that all personnel on all shifts are trained to perform assigned tasks;
 - 2) Ensure that all personnel on all shifts are familiar with the use of the fire-fighting equipment in the facility; and
 - 3) Evaluate the effectiveness of disaster plans and procedures.
 - d) Fire drills shall include simulation of the evacuation of residents to safe areas during at least one drill each year on each shift.
 - e) The facility shall provide for the evacuation of physically handicapped persons, including those who are hearing or sight impaired.
 - f) If the welfare of the residents precludes an actual evacuation of an entire building, the facility shall conduct drills involving the evacuation of successive portions of the building under conditions that assure the capability of evacuating the entire building with the personnel usually available, should the need arise.
 - g) A written evaluation of each drill shall be submitted to the facility administrator and shall be maintained for one year.
 - h) A written plan shall be developed for temporarily relocating the residents for any disaster requiring relocation and at any time that the temperature in residents'

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

bedrooms falls below 55° F. for 12 hours or more.

- i) Reporting of Disasters
 - 1) Upon the occurrence of any disaster requiring hospital service, police, fire department or coroner, the facility administrator or designee shall provide a preliminary report to the Department either by using the nursing home hotline or by directly contacting the appropriate Department Regional Office during business hours. This preliminary report shall include, at a minimum:
 - A) The name and location of the facility;
 - B) The type of disaster;
 - C) The number of injuries or deaths to residents;
 - D) The number of beds not usable due to the occurrence;
 - E) An estimate of the extent of damages to the facility;
 - F) The type of assistance needed, if any; and
 - G) A list of other State or local agencies notified about the problem.
 - 2) If the disaster will not require direct Departmental assistance, the facility shall provide a preliminary report within 24 hours after the occurrence. Additionally, the facility shall submit a full written account to the Department within seven days after the occurrence, which includes the information specified in subsection (i)(1) of this Section and a statement of actions taken by the facility after the preliminary report.
- j) Each facility shall establish and implement policies and procedures in a written plan to provide for the health, safety, welfare and comfort of all residents when the heat index/apparent temperature (see Section 340. Table A), as established by the National Oceanic and Atmospheric Administration, inside the facility exceeds 80° F.
- k) Coordination with Local Authorities

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

- 1) Annually, each facility shall forward copies of all disaster policies and plans required under this Section to the local health authority and local emergency management agency having jurisdiction.
- 2) Annually, each facility shall forward copies of its emergency water supply agreements, required under Section 340.2010(a)(5), to the local health authority and local emergency management agency having jurisdiction.
- 3) Each facility shall provide a description of its emergency source of electrical power, including the services connected to the source, to the local health authority and local emergency management agency having jurisdiction. The facility shall inform the local health authority and local emergency management agency at any time that the emergency source of power or services connected to the source are changed.
- 4) When requested by the local health authority and the local emergency management agency, the facility shall participate in emergency planning activities.

(Source: Amended at 37 Ill. Reg. 2330, effective February 4, 2013)

Section 340.1330 Incidents and Accidents

- a) The facility shall maintain a file of all written reports of each incident and accident affecting a resident that is not the expected outcome of a resident's condition or disease process. A descriptive summary of each incident or accident affecting a resident shall also be recorded in the progress notes or nurse's notes of that resident.
- b) The facility shall notify the Department of any serious incident or accident. For purposes of this Section, "serious" means any incident or accident that causes physical harm or injury to a resident.
- c) The facility shall, by fax or phone, notify the Regional Office within 24 hours after each reportable incident or accident. If a reportable incident or accident results in the death of a resident, the facility shall, after contacting local law enforcement pursuant to Section 340.1380, notify the Regional Office by phone only. For the purposes of this Section, "notify the Regional Office by phone only"

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF ADOPTED AMENDMENTS

means talk with a Department representative who confirms over the phone that the requirement to notify the Regional Office by phone has been met. If the facility is unable to contact the Regional Office, it shall notify the Department's toll-free complaint registry hotline. The facility shall send a narrative summary of each reportable accident or incident to the Department within seven days after the occurrence.

(Source: Amended at 37 Ill. Reg. 2330, effective February 4, 2013)

ILLINOIS COMMERCE COMMISSION

NOTICE OF EMERGENCY RULES

- 1) Heading of the Part: Utility Service of Military Personnel in Military Service
- 2) Code Citation: 83 Ill. Adm. Code 281
- 3)

<u>Section Numbers</u> :	<u>Emergency Action</u> :
281.10	New Section
281.20	New Section
281.30	New Section
281.40	New Section
281.50	New Section
281.60	New Section
281.70	New Section
281.80	New Section
- 4) Statutory Authority: Implementing and authorized by Section 8-201.5 of the Public Utilities Act [220 ILCS 5/8-201.5]
- 5) Effective Date of Rules: February 1, 2013
- 6) If these emergency rules are to expire before the end of the 150-day period, please specify the date on which they are to expire: Upon adoption of the proposed permanent rulemaking.
- 7) Date Filed with the Index Department: January 29, 2013
- 8) A copy of the emergency rules, including any material incorporated by reference, is on file in the Commission's office in Springfield and is available for public inspection.
- 9) Reason for Emergency: On January 1, 2013, PA 97-913 became effective. In addition to creating the Illinois Service Member Civil Relief Act, this Public Act amends Section 8-201.5 of the Public Utilities Act, requiring the Illinois Commerce Commission (Commission) to promulgate rules determine what documents or proof the service member must provide to the public utility to establish that the residential premises was the primary residence of the service member immediately before the service member entered military service; what constitutes "hardship to the consumer" as the term applies to military personnel returning from military service; and the mechanism or mechanisms by which a public utility that does not have in effect an automatic adjustment clause tariff shall recover the uncollectible costs it incurs in complying with the requirements.

ILLINOIS COMMERCE COMMISSION

NOTICE OF EMERGENCY RULES

Given the subject matter of the legislation and the rules, the Commission is of the opinion that an emergency exists under the definition of "emergency" in Section 5-45(a) of the Illinois Administrative Procedure Act (IAPA) in that the failure to adopt these rules will constitute a threat to the public interest by not allowing the affected military personnel to take advantage of the benefits of the legislation. Therefore, the Commission is constrained to use the emergency rulemaking procedures in Section 5-45 of the IAPA.

- 10) A Complete Description of the Subjects and Issues Involved: These rules implement the statutory requirement to establish what documents or proof the service member must provide to the public utility to establish that the residential premises was the primary residence of the service member immediately before the service member entered military service; what constitutes "hardship to the consumer" as the term applies to military personnel returning from military service; and the mechanism or mechanisms by which a public utility that does not have in effect an automatic adjustment clause tariff shall recover the uncollectible costs it incurs in complying with the requirements.
- 11) Are there any proposed amendments to this Part pending? No
- 12) Statement of Statewide Policy Objectives: These emergency rules neither create nor expand any State mandate on units of local government, school districts, or community college districts.
- 13) Information and questions regarding these emergency rules shall be directed to:

Conrad S. Rubinkowski
Office of General Counsel
Illinois Commerce Commission
527 East Capitol Avenue
Springfield, IL 62701

Phone: 217/785-3922
Fax: 217/524-9280

The full text of the Emergency Rules appears on the next page:

ILLINOIS COMMERCE COMMISSION

NOTICE OF EMERGENCY RULES

TITLE 83: PUBLIC UTILITIES

CHAPTER I: ILLINOIS COMMERCE COMMISSION

SUBCHAPTER b: PROVISIONS APPLICABLE TO MORE THAN ONE KIND OF UTILITY

PART 281

UTILITY SERVICE OF MILITARY PERSONNEL IN MILITARY SERVICE

Section

281.10 Scope and Application

EMERGENCY

281.20 Definitions

EMERGENCY

281.30 Prohibition on Service Shut-offs

EMERGENCY

281.40 Eligibility

EMERGENCY

281.50 Proof of Primary Residence

EMERGENCY

281.60 Installment Payment Arrangements

EMERGENCY

281.70 Prohibition of Late Fees and Interest

EMERGENCY

281.80 Recovery of Uncollectible Costs

EMERGENCY

AUTHORITY: Implementing and authorized by Section 8-201.5 of the Public Utilities Act [220 ILCS 5/8-201.5].

SOURCE: Old Part repealed at 14 Ill. Reg. 11188, effective July 15, 1990; new Part adopted by emergency rulemaking at 37 Ill. Reg. 2341, effective February 1, 2013, for a maximum of 150 days.

Section 281.10 Scope and Application**EMERGENCY**

This Part shall apply to electric and natural gas utilities and establishes procedures governing eligibility for protection of the households of military service members.

Section 281.20 Definitions

ILLINOIS COMMERCE COMMISSION

NOTICE OF EMERGENCY RULES

EMERGENCY

"Act" means the Public Utilities Act [220 ILCS 5].

"Commission" means the Illinois Commerce Commission.

"Hardship to the consumer" means an installment payment amount that a gas or electric utility customer will be unable to pay due to a lack of available funds, provided that the amount in arrears to be placed on installment payments is owed by a residential customer at a premises where a service member had his/her primary residence immediately prior to being ordered into military service.

"Military service" means any full-time training or duty, no matter how described under federal or State law, for which a service member is ordered to report by the President, Governor of a state, commonwealth, or territory of the United States, or other appropriate military authority. [220 ILCS 5/8-201.5(a)]

"Service member" means a resident of Illinois who is a member of any component of the U.S. Armed Forces or the National Guard of any state, the District of Columbia, a commonwealth, or a territory of the United States. [220 ILCS 5/8-201.5(a)]

Section 281.30 Prohibition on Service Shut-offs**EMERGENCY**

No gas or electric utility shall for nonpayment stop gas or electricity from entering the residential premises that was the primary residence of a service member immediately before the service member was assigned to military service. [220 ILCS 5/8-201.5(b)]

Section 281.40 Eligibility**EMERGENCY**

In order to be eligible for the benefits granted to service members under this Part, a service member must provide the utility with a copy of the orders calling the service member to military service in excess of 29 consecutive days and of any orders further extending the service member's period of service. [220 ILCS 5/8-201.5(c)]

Section 281.50 Proof of Primary Residence**EMERGENCY**

ILLINOIS COMMERCE COMMISSION

NOTICE OF EMERGENCY RULES

If a service member is not the customer of record for the premises and the service member's copy of orders calling him or her into military service do not contain the primary residence of the service member, then a utility may require documentation to prove the primary residence of the service member immediately prior to the service member's order into military service. This documentation may include, but is not limited to, up to 2 of the following:

- a) Leases;
- b) Government issued identification;
- c) Student identification;
- d) Bank statements;
- e) Mortgage statements;
- f) Credit card statements;
- g) Student loan statements;
- h) Credit reports;
- i) Pay stub or electronic deposit receipt;
- j) Affidavit certifying residency;
- k) Vehicle registration;
- l) Phone book listing;
- m) Other utility bill statements;
- n) Voter registration;
- o) Report cards; or
- p) Official mail from a school or any unit of government.

ILLINOIS COMMERCE COMMISSION

NOTICE OF EMERGENCY RULES

Section 281.60 Installment Payment Arrangements**EMERGENCY**

Upon return from military service of a service member, if the gas or electric utility account at the service member's primary residence has gone into arrears during the service member's service, the utility shall offer a period equal to at least the period of military service to pay the arrearage. The utility shall inform the residential consumer that, if the period the utility offers presents a hardship to the consumer, the consumer may request a longer period to pay the arrearages and may request the assistance of the Illinois Commerce Commission to obtain a longer period. [220 ILCS 5/8-201.5(d)]

Section 281.70 Prohibition of Late Fees and Interest**EMERGENCY**

No late payment fees or interest shall be charged to the residential consumer during the period of military service or the repayment period. [220 ILCS 5/8-201.5(d)]

Section 281.80 Recovery of Uncollectible Costs**EMERGENCY**

- a) A gas or electric utility that does not have in effect an automatic adjustment clause tariff under either Section 16-111.8 or Section 19-145 of the Act may elect to recover its uncollectible costs incurred as a result of compliance with Section 8-201.5 of the Act in either of two ways:
 - 1) file a tariff in conformance with Section 16-111.8 or Section 19-145 of the Act to recover the uncollectible costs incurred in compliance with Section 8-201.5 of the Act; or
 - 2) defer its uncollectible costs incurred in compliance with Section 8-201.5 of the Act for cost recovery in its next general rate case.
- b) A utility may only change its election under subsection (a) after petitioning the Commission pursuant to the Commission's Rules of Practice (83 Ill. Adm. Code 200).
- c) The automatic adjustment clause tariff filed pursuant to subsection (a)(1) must include the provision that the utility will file an annual reconciliation petition as described further in Section 16-111.8(c) or Section 19-145(c) of the Act.

ILLINOIS COMMERCE COMMISSION

NOTICE OF EMERGENCY RULES

- d) The automatic adjustment clause tariff filed pursuant to subsection (a)(1) must include the provision that the utility will submit an annual internal audit report to the Manager of the Commission's Accounting Department on or before August 31 of each year. The audit shall include, but not be limited to, the following tests:
- 1) test that costs recovered through the rider are not recovered through other approved tariffs;
 - 2) test customer bills to determine that all uncollectible adjustment factors are being properly billed to customers in the correct time periods;
 - 3) test that rider uncollectibles revenues are properly stated; and
 - 4) test that costs classified as uncollectible expenses as reported in Form 21, Annual Report to the Illinois Commerce Commission, are being identified, recorded and properly reflected in the calculation of rates and reconciliations.

DEPARTMENT OF HEALTHCARE AND FAMILY SERVICES

NOTICE OF EMERGENCY AMENDMENTS TO EMERGENCY RULEMAKING

- 1) Heading of the Part: Medical Payment
- 2) Code Citation: 89 Ill. Adm. Code 140
- 3)

<u>Section Numbers:</u>	<u>Emergency Action:</u>
140.440	Amendment
140.445	Amendment
- 4) Statutory Authority: Section 12-13 of the Illinois Public Aid Code [305 ILCS 5/12-13] and PA 97-06899
- 5) Effective Date: February 1, 2013
- 6) These emergency amendments are to expire beyond the end of the 150-day period, please specify the date on which they are to expire: This emergency rule expires, as authorized by the SMART Act, on June 30, 2013.
- 7) Date filed with the Index Department: January 29, 2013
- 8) A copy of the emergency amendments, including any materials incorporated by reference, is on file in the agency's principal office and is available for public inspection.
- 9) Reason for Emergency: Public Act 97-689, Save Medicaid Access and Resources Together (SMART) Act, gives any agency responsible for implementing a provision or initiative in SMART the ability to adopt rules through emergency rulemaking in order to provide for the expeditious and timely implementation of SMART. The adoption of this emergency rulemaking is deemed to be necessary for the public interest, safety and welfare. Pursuant to Public Act 97-689, the 150-day limitation of the effective period of emergency rules does not apply and the effective period of rules necessary to implement SMART may continue through June 30, 2013. These emergency rules are necessary to implement the provisions and initiatives of SMART.
- 10) Complete description of the subjects and issues involved: This rulemaking implements changes, improvements and efficiencies to enhance Medicaid program integrity to prevent client and provider fraud; imposes controls on use of Medicaid services to prevent over-use or waste; expands cost-sharing by clients; and makes rate adjustments and reductions to update rates or reflect budget realities.
- 11) Are there any other rulemakings pending on this Part? Yes

DEPARTMENT OF HEALTHCARE AND FAMILY SERVICES

NOTICE OF EMERGENCY AMENDMENTS TO EMERGENCY RULEMAKING

<u>Section Numbers:</u>	<u>Proposed Action</u>	<u>Illinois Register Citation</u>
140.445	Amendment	36 Ill. Reg. 7757; May 25, 2012
140.523	Amendment	36 Ill. Reg. 7757; May 25, 2012
140.539	Amendment	36 Ill. Reg. 7757; May 25, 2012
140.570	Amendment	36 Ill. Reg. 7757; May 25, 2012
140.400	Amendment	36 Ill. Reg. 8594; June 15, 2012
140.438	Amendment	36 Ill. Reg. 8594; June 15, 2012
140.5	Amendment	36 Ill. Reg. 9650; July 6, 2012
140.642	Amendment	36 Ill. Reg. 9650; July 6, 2012
140.643	Amendment	36 Ill. Reg. 9650; July 6, 2012
140.491	Amendment	36 Ill. Reg. 15425; November 2, 2012
140.Table A	Amendment	36 Ill. Reg. 15425; November 2, 2012
140.491	Amendment	36 Ill. Reg. 18105; December 28, 2012
140.462	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.2	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.3	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.5	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.11	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.12	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.13	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.14	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.15	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.16	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.18	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.19	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.20	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.30	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.32	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.44	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.45	New Section	37 Ill. Reg. 1390; February 8, 2013
140.80	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.405	New Section	37 Ill. Reg. 1390; February 8, 2013
140.413	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.414	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.417	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.420	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.425	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.428	Amendment	37 Ill. Reg. 1390; February 8, 2013

DEPARTMENT OF HEALTHCARE AND FAMILY SERVICES

NOTICE OF EMERGENCY AMENDMENTS TO EMERGENCY RULEMAKING

140.440	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.441	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.442	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.443	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.445	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.449	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.457	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.458	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.469	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.470	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.471	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.472	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.473	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.474	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.477	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.498	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.523	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.TABLE D	Amendment	37 Ill. Reg. 1390; February 8, 2013
140.TABLE F	Repeal	37 Ill. Reg. 1390; February 8, 2013

- 12) Statement of Statewide Policy Objectives: These emergency amendments neither create nor expand any State mandate affecting units of local government.
- 13) Information and questions regarding these emergency amendments shall be directed to:

Jeanette Badrov
General Counsel
Illinois Department of Healthcare and Family Services
201 South Grand Avenue East, 3rd Floor
Springfield IL 62763-0002

217/782-1233
HFS.Rules@illinois.gov

The full text of the Emergency Amendments begins on the next page:

DEPARTMENT OF HEALTHCARE AND FAMILY SERVICES

NOTICE OF EMERGENCY AMENDMENTS TO EMERGENCY RULEMAKING

TITLE 89: SOCIAL SERVICES

CHAPTER I: DEPARTMENT OF HEALTHCARE AND FAMILY SERVICES

SUBCHAPTER d: MEDICAL PROGRAMS

PART 140

MEDICAL PAYMENT

SUBPART A: GENERAL PROVISIONS

Section

- 140.1 Incorporation By Reference
- 140.2 Medical Assistance Programs
- 140.3 Covered Services Under Medical Assistance Programs
- 140.4 Covered Medical Services Under AFDC-MANG for non-pregnant persons who are 18 years of age or older (Repealed)
- 140.5 Covered Medical Services Under General Assistance
- 140.6 Medical Services Not Covered
- 140.7 Medical Assistance Provided to Individuals Under the Age of Eighteen Who Do Not Qualify for AFDC and Children Under Age Eight
- 140.8 Medical Assistance For Qualified Severely Impaired Individuals
- 140.9 Medical Assistance for a Pregnant Woman Who Would Not Be Categorically Eligible for AFDC/AFDC-MANG if the Child Were Already Born Or Who Do Not Qualify As Mandatory Categorically Needy
- 140.10 Medical Assistance Provided to Persons Confined or Detained by the Criminal Justice System

SUBPART B: MEDICAL PROVIDER PARTICIPATION

Section

- 140.11 Enrollment Conditions for Medical Providers
- 140.12 Participation Requirements for Medical Providers
- 140.13 Definitions
- 140.14 Denial of Application to Participate in the Medical Assistance Program
- 140.15 Recovery of Money
- 140.16 Termination or Suspension of a Vendor's Eligibility to Participate in the Medical Assistance Program
- 140.17 Suspension of a Vendor's Eligibility to Participate in the Medical Assistance Program
- 140.18 Effect of Termination or Revocation on Persons Associated with Vendor

DEPARTMENT OF HEALTHCARE AND FAMILY SERVICES

NOTICE OF EMERGENCY AMENDMENTS TO EMERGENCY RULEMAKING

- 140.19 Application to Participate or for Reinstatement Subsequent to Termination, Suspension or Barring
- 140.20 Submittal of Claims
- 140.21 Reimbursement for QMB Eligible Medical Assistance Recipients and QMB Eligible Only Recipients and Individuals Who Are Entitled to Medicare Part A or Part B and Are Eligible for Some Form of Medicaid Benefits
- 140.22 Magnetic Tape Billings (Repealed)
- 140.23 Payment of Claims
- 140.24 Payment Procedures
- 140.25 Overpayment or Underpayment of Claims
- 140.26 Payment to Factors Prohibited
- 140.27 Assignment of Vendor Payments
- 140.28 Record Requirements for Medical Providers
- 140.30 Audits
- 140.31 Emergency Services Audits
- 140.32 Prohibition on Participation, and Special Permission for Participation
- 140.33 Publication of List of Sanctioned Entities
- 140.35 False Reporting and Other Fraudulent Activities
- 140.40 Prior Approval for Medical Services or Items
- 140.41 Prior Approval in Cases of Emergency
- 140.42 Limitation on Prior Approval
- 140.43 Post Approval for Items or Services When Prior Approval Cannot Be Obtained
- 140.44 Withholding of Payments Due to Fraud or Misrepresentation
- 140.55 Recipient Eligibility Verification (REV) System
- 140.71 Reimbursement for Medical Services Through the Use of a C-13 Invoice Voucher Advance Payment and Expedited Payments
- 140.72 Drug Manual (Recodified)
- 140.73 Drug Manual Updates (Recodified)

SUBPART C: PROVIDER ASSESSMENTS

- Section
- 140.80 Hospital Provider Fund
- 140.82 Developmentally Disabled Care Provider Fund
- 140.84 Long Term Care Provider Fund
- 140.94 Medicaid Developmentally Disabled Provider Participation Fee Trust Fund/Medicaid Long Term Care Provider Participation Fee Trust Fund
- 140.95 Hospital Services Trust Fund
- 140.96 General Requirements (Recodified)

DEPARTMENT OF HEALTHCARE AND FAMILY SERVICES

NOTICE OF EMERGENCY AMENDMENTS TO EMERGENCY RULEMAKING

- 140.97 Special Requirements (Recodified)
- 140.98 Covered Hospital Services (Recodified)
- 140.99 Hospital Services Not Covered (Recodified)
- 140.100 Limitation On Hospital Services (Recodified)
- 140.101 Transplants (Recodified)
- 140.102 Heart Transplants (Recodified)
- 140.103 Liver Transplants (Recodified)
- 140.104 Bone Marrow Transplants (Recodified)
- 140.110 Disproportionate Share Hospital Adjustments (Recodified)
- 140.116 Payment for Inpatient Services for GA (Recodified)
- 140.117 Hospital Outpatient and Clinic Services (Recodified)
- 140.200 Payment for Hospital Services During Fiscal Year 1982 (Recodified)
- 140.201 Payment for Hospital Services After June 30, 1982 (Repealed)
- 140.202 Payment for Hospital Services During Fiscal Year 1983 (Recodified)
- 140.203 Limits on Length of Stay by Diagnosis (Recodified)
- 140.300 Payment for Pre-operative Days and Services Which Can Be Performed in an Outpatient Setting (Recodified)
- 140.350 Copayments (Recodified)
- 140.360 Payment Methodology (Recodified)
- 140.361 Non-Participating Hospitals (Recodified)
- 140.362 Pre July 1, 1989 Services (Recodified)
- 140.363 Post June 30, 1989 Services (Recodified)
- 140.364 Prepayment Review (Recodified)
- 140.365 Base Year Costs (Recodified)
- 140.366 Restructuring Adjustment (Recodified)
- 140.367 Inflation Adjustment (Recodified)
- 140.368 Volume Adjustment (Repealed)
- 140.369 Groupings (Recodified)
- 140.370 Rate Calculation (Recodified)
- 140.371 Payment (Recodified)
- 140.372 Review Procedure (Recodified)
- 140.373 Utilization (Repealed)
- 140.374 Alternatives (Recodified)
- 140.375 Exemptions (Recodified)
- 140.376 Utilization, Case-Mix and Discretionary Funds (Repealed)
- 140.390 Subacute Alcoholism and Substance Abuse Services (Recodified)
- 140.391 Definitions (Recodified)
- 140.392 Types of Subacute Alcoholism and Substance Abuse Services (Recodified)
- 140.394 Payment for Subacute Alcoholism and Substance Abuse Services (Recodified)

DEPARTMENT OF HEALTHCARE AND FAMILY SERVICES

NOTICE OF EMERGENCY AMENDMENTS TO EMERGENCY RULEMAKING

- 140.396 Rate Appeals for Subacute Alcoholism and Substance Abuse Services
(Recodified)
- 140.398 Hearings (Recodified)

SUBPART D: PAYMENT FOR NON-INSTITUTIONAL SERVICES

Section

- 140.400 Payment to Practitioners
- 140.402 Copayments for Noninstitutional Medical Services
- 140.403 Telehealth Services
- 140.405 SeniorCare Pharmaceutical Benefit (Repealed)
- 140.410 Physicians' Services
- 140.411 Covered Services By Physicians
- 140.412 Services Not Covered By Physicians
- 140.413 Limitation on Physician Services
- 140.414 Requirements for Prescriptions and Dispensing of Pharmacy Items – Prescribers
- 140.416 Optometric Services and Materials
- 140.417 Limitations on Optometric Services
- 140.418 Department of Corrections Laboratory
- 140.420 Dental Services
- 140.421 Limitations on Dental Services
- 140.422 Requirements for Prescriptions and Dispensing Items of Pharmacy Items –
Dentists (Repealed)
- 140.425 Podiatry Services
- 140.426 Limitations on Podiatry Services
- 140.427 Requirement for Prescriptions and Dispensing of Pharmacy Items – Podiatry
(Repealed)
- 140.428 Chiropractic Services
- 140.429 Limitations on Chiropractic Services (Repealed)
- 140.430 Independent Clinical Laboratory Services
- 140.431 Services Not Covered by Independent Clinical Laboratories
- 140.432 Limitations on Independent Clinical Laboratory Services
- 140.433 Payment for Clinical Laboratory Services
- 140.434 Record Requirements for Independent Clinical Laboratories
- 140.435 Advanced Practice Nurse Services
- 140.436 Limitations on Advanced Practice Nurse Services
- 140.438 Diagnostic Imaging Services
- 140.440 Pharmacy Services

| [EMERGENCY](#)

DEPARTMENT OF HEALTHCARE AND FAMILY SERVICES

NOTICE OF EMERGENCY AMENDMENTS TO EMERGENCY RULEMAKING

- 140.441 Pharmacy Services Not Covered
- 140.442 Prior Approval of Prescriptions
- 140.443 Filling of Prescriptions
- 140.444 Compounded Prescriptions
- 140.445 Legend Prescription Items (Not Compounded)
- [EMERGENCY](#)
- 140.446 Over-the-Counter Items
- 140.447 Reimbursement
- 140.448 Returned Pharmacy Items
- 140.449 Payment of Pharmacy Items
- 140.450 Record Requirements for Pharmacies
- 140.451 Prospective Drug Review and Patient Counseling
- 140.452 Mental Health Services
- 140.453 Definitions
- 140.454 Types of Mental Health Services
- 140.455 Payment for Mental Health Services
- 140.456 Hearings
- 140.457 Therapy Services
- 140.458 Prior Approval for Therapy Services
- 140.459 Payment for Therapy Services
- 140.460 Clinic Services
- 140.461 Clinic Participation, Data and Certification Requirements
- 140.462 Covered Services in Clinics
- 140.463 Clinic Service Payment
- 140.464 Hospital-Based and Encounter Rate Clinic Payments
- 140.465 Speech and Hearing Clinics (Repealed)
- 140.466 Rural Health Clinics (Repealed)
- 140.467 Independent Clinics
- 140.469 Hospice
- 140.470 Eligible Home Health Providers
- 140.471 Description of Home Health Services
- 140.472 Types of Home Health Services
- 140.473 Prior Approval for Home Health Services
- 140.474 Payment for Home Health Services
- 140.475 Medical Equipment, Supplies, Prosthetic Devices and Orthotic Devices
- 140.476 Medical Equipment, Supplies, Prosthetic Devices and Orthotic Devices for Which Payment Will Not Be Made
- 140.477 Limitations on Equipment, Prosthetic Devices and Orthotic Devices
- 140.478 Prior Approval for Medical Equipment, Supplies, Prosthetic Devices and Orthotic

DEPARTMENT OF HEALTHCARE AND FAMILY SERVICES

NOTICE OF EMERGENCY AMENDMENTS TO EMERGENCY RULEMAKING

	Devices
140.479	Limitations, Medical Supplies
140.480	Equipment Rental Limitations
140.481	Payment for Medical Equipment, Supplies, Prosthetic Devices and Hearing Aids
140.482	Family Planning Services
140.483	Limitations on Family Planning Services
140.484	Payment for Family Planning Services
140.485	Healthy Kids Program
140.486	Illinois Healthy Women
140.487	Healthy Kids Program Timeliness Standards
140.488	Periodicity Schedules, Immunizations and Diagnostic Laboratory Procedures
140.490	Medical Transportation
140.491	Limitations on Medical Transportation
140.492	Payment for Medical Transportation
140.493	Payment for Helicopter Transportation
140.494	Record Requirements for Medical Transportation Services
140.495	Psychological Services
140.496	Payment for Psychological Services
140.497	Hearing Aids
140.498	Fingerprint-Based Criminal Background Checks

SUBPART E: GROUP CARE

Section	
140.500	Long Term Care Services
140.502	Cessation of Payment at Federal Direction
140.503	Cessation of Payment for Improper Level of Care
140.504	Cessation of Payment Because of Termination of Facility
140.505	Informal Hearing Process for Denial of Payment for New ICF/MR
140.506	Provider Voluntary Withdrawal
140.507	Continuation of Provider Agreement
140.510	Determination of Need for Group Care
140.511	Long Term Care Services Covered By Department Payment
140.512	Utilization Control
140.513	Notification of Change in Resident Status
140.514	Certifications and Recertifications of Care (Repealed)
140.515	Management of Recipient Funds – Personal Allowance Funds
140.516	Recipient Management of Funds
140.517	Correspondent Management of Funds

DEPARTMENT OF HEALTHCARE AND FAMILY SERVICES

NOTICE OF EMERGENCY AMENDMENTS TO EMERGENCY RULEMAKING

140.518	Facility Management of Funds
140.519	Use or Accumulation of Funds
140.520	Management of Recipient Funds – Local Office Responsibility
140.521	Room and Board Accounts
140.522	Reconciliation of Recipient Funds
140.523	Bed Reserves
140.524	Cessation of Payment Due to Loss of License
140.525	Quality Incentive Program (QUIP) Payment Levels
140.526	County Contribution to Medicaid Reimbursement (Repealed)
140.527	Quality Incentive Survey (Repealed)
140.528	Payment of Quality Incentive (Repealed)
140.529	Reviews (Repealed)
140.530	Basis of Payment for Long Term Care Services
140.531	General Service Costs
140.532	Health Care Costs
140.533	General Administration Costs
140.534	Ownership Costs
140.535	Costs for Interest, Taxes and Rent
140.536	Organization and Pre-Operating Costs
140.537	Payments to Related Organizations
140.538	Special Costs
140.539	Reimbursement for Basic Nursing Assistant, Developmental Disabilities Aide, Basic Child Care Aide and Habilitation Aide Training and Nursing Assistant Competency Evaluation
140.540	Costs Associated With Nursing Home Care Reform Act and Implementing Regulations
140.541	Salaries Paid to Owners or Related Parties
140.542	Cost Reports – Filing Requirements
140.543	Time Standards for Filing Cost Reports
140.544	Access to Cost Reports (Repealed)
140.545	Penalty for Failure to File Cost Reports
140.550	Update of Operating Costs
140.551	General Service Costs Updates
140.552	Nursing and Program Costs
140.553	General Administrative Costs Updates
140.554	Component Inflation Index (Repealed)
140.555	Minimum Wage
140.560	Components of the Base Rate Determination
140.561	Support Costs Components

DEPARTMENT OF HEALTHCARE AND FAMILY SERVICES

NOTICE OF EMERGENCY AMENDMENTS TO EMERGENCY RULEMAKING

140.562	Nursing Costs
140.563	Capital Costs
140.565	Kosher Kitchen Reimbursement
140.566	Out-of-State Placement
140.567	Level II Incentive Payments (Repealed)
140.568	Duration of Incentive Payments (Repealed)
140.569	Clients With Exceptional Care Needs
140.570	Capital Rate Component Determination
140.571	Capital Rate Calculation
140.572	Total Capital Rate
140.573	Other Capital Provisions
140.574	Capital Rates for Rented Facilities
140.575	Newly Constructed Facilities (Repealed)
140.576	Renovations (Repealed)
140.577	Capital Costs for Rented Facilities (Renumbered)
140.578	Property Taxes
140.579	Specialized Living Centers
140.580	Mandated Capital Improvements (Repealed)
140.581	Qualifying as Mandated Capital Improvement (Repealed)
140.582	Cost Adjustments
140.583	Campus Facilities
140.584	Illinois Municipal Retirement Fund (IMRF)
140.590	Audit and Record Requirements
140.642	Screening Assessment for Nursing Facility and Alternative Residential Settings and Services
140.643	In-Home Care Program
140.645	Home and Community Based Services Waivers for Medically Fragile, Technology Dependent, Disabled Persons Under Age 21 (Repealed)
140.646	Reimbursement for Developmental Training (DT) Services for Individuals With Developmental Disabilities Who Reside in Long Term Care (ICF and SNF) and Residential (ICF/MR) Facilities
140.647	Description of Developmental Training (DT) Services
140.648	Determination of the Amount of Reimbursement for Developmental Training (DT) Programs
140.649	Effective Dates of Reimbursement for Developmental Training (DT) Programs
140.650	Certification of Developmental Training (DT) Programs
140.651	Decertification of Day Programs
140.652	Terms of Assurances and Contracts
140.680	Effective Date Of Payment Rate

DEPARTMENT OF HEALTHCARE AND FAMILY SERVICES

NOTICE OF EMERGENCY AMENDMENTS TO EMERGENCY RULEMAKING

- 140.700 Discharge of Long Term Care Residents
140.830 Appeals of Rate Determinations
140.835 Determination of Cap on Payments for Long Term Care (Repealed)

SUBPART F: FEDERAL CLAIMING FOR STATE AND
LOCAL GOVERNMENTAL ENTITIES

Section

- 140.850 Reimbursement of Administrative Expenditures
140.855 Administrative Claim Review and Reconsideration Procedure
140.860 County Owned or Operated Nursing Facilities
140.865 Sponsor Qualifications (Repealed)
140.870 Sponsor Responsibilities (Repealed)
140.875 Department Responsibilities (Repealed)
140.880 Provider Qualifications (Repealed)
140.885 Provider Responsibilities (Repealed)
140.890 Payment Methodology (Repealed)
140.895 Contract Monitoring (Repealed)
140.896 Reimbursement For Program Costs (Active Treatment) For Clients in Long Term
Care Facilities For the Developmentally Disabled (Recodified)
140.900 Reimbursement For Nursing Costs For Geriatric Residents in Group Care
Facilities (Recodified)
140.901 Functional Areas of Needs (Recodified)
140.902 Service Needs (Recodified)
140.903 Definitions (Recodified)
140.904 Times and Staff Levels (Repealed)
140.905 Statewide Rates (Repealed)
140.906 Reconsiderations (Recodified)
140.907 Midnight Census Report (Recodified)
140.908 Times and Staff Levels (Recodified)
140.909 Statewide Rates (Recodified)
140.910 Referrals (Recodified)
140.911 Basic Rehabilitation Aide Training Program (Recodified)
140.912 Interim Nursing Rates (Recodified)

SUBPART G: MATERNAL AND CHILD HEALTH PROGRAM

Section

- 140.920 General Description

DEPARTMENT OF HEALTHCARE AND FAMILY SERVICES

NOTICE OF EMERGENCY AMENDMENTS TO EMERGENCY RULEMAKING

140.922	Covered Services
140.924	Maternal and Child Health Provider Participation Requirements
140.926	Client Eligibility (Repealed)
140.928	Client Enrollment and Program Components (Repealed)
140.930	Reimbursement
140.932	Payment Authorization for Referrals (Repealed)

SUBPART H: ILLINOIS COMPETITIVE ACCESS AND REIMBURSEMENT EQUITY (ICARE) PROGRAM

Section	
140.940	Illinois Competitive Access and Reimbursement Equity (ICARE) Program (Recodified)
140.942	Definition of Terms (Recodified)
140.944	Notification of Negotiations (Recodified)
140.946	Hospital Participation in ICARE Program Negotiations (Recodified)
140.948	Negotiation Procedures (Recodified)
140.950	Factors Considered in Awarding ICARE Contracts (Recodified)
140.952	Closing an ICARE Area (Recodified)
140.954	Administrative Review (Recodified)
140.956	Payments to Contracting Hospitals (Recodified)
140.958	Admitting and Clinical Privileges (Recodified)
140.960	Inpatient Hospital Care or Services by Non-Contracting Hospitals Eligible for Payment (Recodified)
140.962	Payment to Hospitals for Inpatient Services or Care not Provided under the ICARE Program (Recodified)
140.964	Contract Monitoring (Recodified)
140.966	Transfer of Recipients (Recodified)
140.968	Validity of Contracts (Recodified)
140.970	Termination of ICARE Contracts (Recodified)
140.972	Hospital Services Procurement Advisory Board (Recodified)
140.980	Elimination Of Aid To The Medically Indigent (AMI) Program (Emergency Expired)
140.982	Elimination Of Hospital Services For Persons Age Eighteen (18) And Older And Persons Married And Living With Spouse, Regardless Of Age (Emergency Expired)

SUBPART I: PRIMARY CARE CASE MANAGEMENT PROGRAM

DEPARTMENT OF HEALTHCARE AND FAMILY SERVICES

NOTICE OF EMERGENCY AMENDMENTS TO EMERGENCY RULEMAKING

Section

140.990	Primary Care Case Management Program
140.991	Primary Care Provider Participation Requirements
140.992	Populations Eligible to Participate in the Primary Care Case Management Program
140.993	Care Management Fees
140.994	Panel Size and Affiliated Providers
140.995	Mandatory Enrollment
140.996	Access to Health Care Services
140.997	Payment for Services

SUBPART J: ALTERNATE PAYEE PARTICIPATION

Section

140.1001	Registration Conditions for Alternate Payees
140.1002	Participation Requirements for Alternate Payees
140.1003	Recovery of Money for Alternate Payees
140.1004	Conditional Registration for Alternate Payees
140.1005	Revocation of an Alternate Payee

SUBPART K: MANDATORY MCO ENROLLMENT

140.1010	Mandatory Enrollment in MCOs
----------	------------------------------

SUBPART L: UNAUTHORIZED USE OF MEDICAL ASSISTANCE

Section

140.1300	Definitions
140.1310	Recovery of Money
140.1320	Penalties
140.1330	Enforcement
140.TABLE A	Medicheck Recommended Screening Procedures (Repealed)
140.TABLE B	Geographic Areas
140.TABLE C	Capital Cost Areas
140.TABLE D	Schedule of Dental Procedures
140.TABLE E	Time Limits for Processing of Prior Approval Requests
140.TABLE F	Podiatry Service Schedule
140.TABLE G	Travel Distance Standards

DEPARTMENT OF HEALTHCARE AND FAMILY SERVICES

NOTICE OF EMERGENCY AMENDMENTS TO EMERGENCY RULEMAKING

140.TABLE H	Areas of Major Life Activity
140.TABLE I	Staff Time and Allocation for Training Programs (Recodified)
140.TABLE J	HSA Grouping (Repealed)
140.TABLE K	Services Qualifying for 10% Add-On (Repealed)
140.TABLE L	Services Qualifying for 10% Add-On to Surgical Incentive Add-On (Repealed)
140.TABLE M	Enhanced Rates for Maternal and Child Health Provider Services

AUTHORITY: Implementing and authorized by Articles III, IV, V, VI and Section 12-13 of the Illinois Public Aid Code [305 ILCS 5/Arts. III, IV, V, VI and 12-13].

SOURCE: Adopted at 3 Ill. Reg. 24, p. 166, effective June 10, 1979; rule repealed and new rule adopted at 6 Ill. Reg. 8374, effective July 6, 1982; emergency amendment at 6 Ill. Reg. 8508, effective July 6, 1982, for a maximum of 150 days; amended at 7 Ill. Reg. 681, effective December 30, 1982; amended at 7 Ill. Reg. 7956, effective July 1, 1983; amended at 7 Ill. Reg. 8308, effective July 1, 1983; amended at 7 Ill. Reg. 8271, effective July 5, 1983; emergency amendment at 7 Ill. Reg. 8354, effective July 5, 1983, for a maximum of 150 days; amended at 7 Ill. Reg. 8540, effective July 15, 1983; amended at 7 Ill. Reg. 9382, effective July 22, 1983; amended at 7 Ill. Reg. 12868, effective September 20, 1983; peremptory amendment at 7 Ill. Reg. 15047, effective October 31, 1983; amended at 7 Ill. Reg. 17358, effective December 21, 1983; amended at 8 Ill. Reg. 254, effective December 21, 1983; emergency amendment at 8 Ill. Reg. 580, effective January 1, 1984, for a maximum of 150 days; codified at 8 Ill. Reg. 2483; amended at 8 Ill. Reg. 3012, effective February 22, 1984; amended at 8 Ill. Reg. 5262, effective April 9, 1984; amended at 8 Ill. Reg. 6785, effective April 27, 1984; amended at 8 Ill. Reg. 6983, effective May 9, 1984; amended at 8 Ill. Reg. 7258, effective May 16, 1984; emergency amendment at 8 Ill. Reg. 7910, effective May 22, 1984, for a maximum of 150 days; amended at 8 Ill. Reg. 7910, effective June 1, 1984; amended at 8 Ill. Reg. 10032, effective June 18, 1984; emergency amendment at 8 Ill. Reg. 10062, effective June 20, 1984, for a maximum of 150 days; amended at 8 Ill. Reg. 13343, effective July 17, 1984; amended at 8 Ill. Reg. 13779, effective July 24, 1984; Sections 140.72 and 140.73 recodified to 89 Ill. Adm. Code 141 at 8 Ill. Reg. 16354; amended (by adding sections being codified with no substantive change) at 8 Ill. Reg. 17899; peremptory amendment at 8 Ill. Reg. 18151, effective September 18, 1984; amended at 8 Ill. Reg. 21629, effective October 19, 1984; peremptory amendment at 8 Ill. Reg. 21677, effective October 24, 1984; amended at 8 Ill. Reg. 22097, effective October 24, 1984; peremptory amendment at 8 Ill. Reg. 22155, effective October 29, 1984; amended at 8 Ill. Reg. 23218, effective November 20, 1984; emergency amendment at 8 Ill. Reg. 23721, effective November 21, 1984, for a maximum of 150 days; amended at 8 Ill. Reg. 25067, effective December 19, 1984; emergency amendment at 9 Ill. Reg. 407, effective January 1, 1985, for a maximum of 150 days; amended at 9 Ill. Reg. 2697, effective February 22, 1985; amended at 9

DEPARTMENT OF HEALTHCARE AND FAMILY SERVICES

NOTICE OF EMERGENCY AMENDMENTS TO EMERGENCY RULEMAKING

Ill. Reg. 6235, effective April 19, 1985; amended at 9 Ill. Reg. 8677, effective May 28, 1985; amended at 9 Ill. Reg. 9564, effective June 5, 1985; amended at 9 Ill. Reg. 10025, effective June 26, 1985; emergency amendment at 9 Ill. Reg. 11403, effective June 27, 1985, for a maximum of 150 days; amended at 9 Ill. Reg. 11357, effective June 28, 1985; amended at 9 Ill. Reg. 12000, effective July 24, 1985; amended at 9 Ill. Reg. 12306, effective August 5, 1985; amended at 9 Ill. Reg. 13998, effective September 3, 1985; amended at 9 Ill. Reg. 14684, effective September 13, 1985; amended at 9 Ill. Reg. 15503, effective October 4, 1985; amended at 9 Ill. Reg. 16312, effective October 11, 1985; amended at 9 Ill. Reg. 19138, effective December 2, 1985; amended at 9 Ill. Reg. 19737, effective December 9, 1985; amended at 10 Ill. Reg. 238, effective December 27, 1985; emergency amendment at 10 Ill. Reg. 798, effective January 1, 1986, for a maximum of 150 days; amended at 10 Ill. Reg. 672, effective January 6, 1986; amended at 10 Ill. Reg. 1206, effective January 13, 1986; amended at 10 Ill. Reg. 3041, effective January 24, 1986; amended at 10 Ill. Reg. 6981, effective April 16, 1986; amended at 10 Ill. Reg. 7825, effective April 30, 1986; amended at 10 Ill. Reg. 8128, effective May 7, 1986; emergency amendment at 10 Ill. Reg. 8912, effective May 13, 1986, for a maximum of 150 days; amended at 10 Ill. Reg. 11440, effective June 20, 1986; amended at 10 Ill. Reg. 14714, effective August 27, 1986; amended at 10 Ill. Reg. 15211, effective September 12, 1986; emergency amendment at 10 Ill. Reg. 16729, effective September 18, 1986, for a maximum of 150 days; amended at 10 Ill. Reg. 18808, effective October 24, 1986; amended at 10 Ill. Reg. 19742, effective November 12, 1986; amended at 10 Ill. Reg. 21784, effective December 15, 1986; amended at 11 Ill. Reg. 698, effective December 19, 1986; amended at 11 Ill. Reg. 1418, effective December 31, 1986; amended at 11 Ill. Reg. 2323, effective January 16, 1987; amended at 11 Ill. Reg. 4002, effective February 25, 1987; Section 140.71 recodified to 89 Ill. Adm. Code 141 at 11 Ill. Reg. 4302; amended at 11 Ill. Reg. 4303, effective March 6, 1987; amended at 11 Ill. Reg. 7664, effective April 15, 1987; emergency amendment at 11 Ill. Reg. 9342, effective April 20, 1987, for a maximum of 150 days; amended at 11 Ill. Reg. 9169, effective April 28, 1987; amended at 11 Ill. Reg. 10903, effective June 1, 1987; amended at 11 Ill. Reg. 11528, effective June 22, 1987; amended at 11 Ill. Reg. 12011, effective June 30, 1987; amended at 11 Ill. Reg. 12290, effective July 6, 1987; amended at 11 Ill. Reg. 14048, effective August 14, 1987; amended at 11 Ill. Reg. 14771, effective August 25, 1987; amended at 11 Ill. Reg. 16758, effective September 28, 1987; amended at 11 Ill. Reg. 17295, effective September 30, 1987; amended at 11 Ill. Reg. 18696, effective October 27, 1987; amended at 11 Ill. Reg. 20909, effective December 14, 1987; amended at 12 Ill. Reg. 916, effective January 1, 1988; emergency amendment at 12 Ill. Reg. 1960, effective January 1, 1988, for a maximum of 150 days; amended at 12 Ill. Reg. 5427, effective March 15, 1988; amended at 12 Ill. Reg. 6246, effective March 16, 1988; amended at 12 Ill. Reg. 6728, effective March 22, 1988; Sections 140.900 thru 140.912 and 140.Table H and 140.Table I recodified to 89 Ill. Adm. Code 147.5 thru 147.205 and 147.Table A and 147.Table B at 12 Ill. Reg. 6956; amended at 12 Ill. Reg. 6927, effective April 5, 1988; Sections 140.940 thru 140.972 recodified to 89 Ill. Adm. Code 149.5 thru 149.325 at 12 Ill. Reg. 7401; amended at

DEPARTMENT OF HEALTHCARE AND FAMILY SERVICES

NOTICE OF EMERGENCY AMENDMENTS TO EMERGENCY RULEMAKING

12 Ill. Reg. 7695, effective April 21, 1988; amended at 12 Ill. Reg. 10497, effective June 3, 1988; amended at 12 Ill. Reg. 10717, effective June 14, 1988; emergency amendment at 12 Ill. Reg. 11868, effective July 1, 1988, for a maximum of 150 days; amended at 12 Ill. Reg. 12509, effective July 15, 1988; amended at 12 Ill. Reg. 14271, effective August 29, 1988; emergency amendment at 12 Ill. Reg. 16921, effective September 28, 1988, for a maximum of 150 days; amended at 12 Ill. Reg. 16738, effective October 5, 1988; amended at 12 Ill. Reg. 17879, effective October 24, 1988; amended at 12 Ill. Reg. 18198, effective November 4, 1988; amended at 12 Ill. Reg. 19396, effective November 6, 1988; amended at 12 Ill. Reg. 19734, effective November 15, 1988; amended at 13 Ill. Reg. 125, effective January 1, 1989; amended at 13 Ill. Reg. 2475, effective February 14, 1989; amended at 13 Ill. Reg. 3069, effective February 28, 1989; amended at 13 Ill. Reg. 3351, effective March 6, 1989; amended at 13 Ill. Reg. 3917, effective March 17, 1989; amended at 13 Ill. Reg. 5115, effective April 3, 1989; amended at 13 Ill. Reg. 5718, effective April 10, 1989; amended at 13 Ill. Reg. 7025, effective April 24, 1989; Sections 140.850 thru 140.896 recodified to 89 Ill. Adm. Code 146.5 thru 146.225 at 13 Ill. Reg. 7040; amended at 13 Ill. Reg. 7786, effective May 20, 1989; Sections 140.94 thru 140.398 recodified to 89 Ill. Adm. Code 148.10 thru 148.390 at 13 Ill. Reg. 9572; emergency amendment at 13 Ill. Reg. 10977, effective July 1, 1989, for a maximum of 150 days; emergency expired November 28, 1989; amended at 13 Ill. Reg. 11516, effective July 3, 1989; amended at 13 Ill. Reg. 12119, effective July 7, 1989; Section 140.110 recodified to 89 Ill. Adm. Code 148.120 at 13 Ill. Reg. 12118; amended at 13 Ill. Reg. 12562, effective July 17, 1989; amended at 13 Ill. Reg. 14391, effective August 31, 1989; emergency amendment at 13 Ill. Reg. 15473, effective September 12, 1989, for a maximum of 150 days; amended at 13 Ill. Reg. 16992, effective October 16, 1989; amended at 14 Ill. Reg. 190, effective December 21, 1989; amended at 14 Ill. Reg. 2564, effective February 9, 1990; emergency amendment at 14 Ill. Reg. 3241, effective February 14, 1990, for a maximum of 150 days; emergency expired July 14, 1990; amended at 14 Ill. Reg. 4543, effective March 12, 1990; emergency amendment at 14 Ill. Reg. 4577, effective March 6, 1990, for a maximum of 150 days; emergency expired August 3, 1990; emergency amendment at 14 Ill. Reg. 5575, effective April 1, 1990, for a maximum of 150 days; emergency expired August 29, 1990; emergency amendment at 14 Ill. Reg. 5865, effective April 3, 1990, for a maximum of 150 days; amended at 14 Ill. Reg. 7141, effective April 27, 1990; emergency amendment at 14 Ill. Reg. 7249, effective April 27, 1990, for a maximum of 150 days; amended at 14 Ill. Reg. 10062, effective June 12, 1990; amended at 14 Ill. Reg. 10409, effective June 19, 1990; emergency amendment at 14 Ill. Reg. 12082, effective July 5, 1990, for a maximum of 150 days; amended at 14 Ill. Reg. 13262, effective August 6, 1990; emergency amendment at 14 Ill. Reg. 14184, effective August 16, 1990, for a maximum of 150 days; emergency amendment at 14 Ill. Reg. 14570, effective August 22, 1990, for a maximum of 150 days; amended at 14 Ill. Reg. 14826, effective August 31, 1990; amended at 14 Ill. Reg. 15366, effective September 12, 1990; amended at 14 Ill. Reg. 15981, effective September 21, 1990; amended at 14 Ill. Reg. 17279, effective October 12, 1990; amended at 14 Ill. Reg. 18057,

DEPARTMENT OF HEALTHCARE AND FAMILY SERVICES

NOTICE OF EMERGENCY AMENDMENTS TO EMERGENCY RULEMAKING

effective October 22, 1990; amended at 14 Ill. Reg. 18508, effective October 30, 1990; amended at 14 Ill. Reg. 18813, effective November 6, 1990; Notice of Corrections to Adopted Amendment at 15 Ill. Reg. 1174; amended at 14 Ill. Reg. 20478, effective December 7, 1990; amended at 14 Ill. Reg. 20729, effective December 12, 1990; amended at 15 Ill. Reg. 298, effective December 28, 1990; emergency amendment at 15 Ill. Reg. 592, effective January 1, 1991, for a maximum of 150 days; amended at 15 Ill. Reg. 1051, effective January 18, 1991; amended at 15 Ill. Reg. 6220, effective April 18, 1991; amended at 15 Ill. Reg. 6534, effective April 30, 1991; amended at 15 Ill. Reg. 8264, effective May 23, 1991; amended at 15 Ill. Reg. 8972, effective June 17, 1991; amended at 15 Ill. Reg. 10114, effective June 21, 1991; amended at 15 Ill. Reg. 10468, effective July 1, 1991; amended at 15 Ill. Reg. 11176, effective August 1, 1991; emergency amendment at 15 Ill. Reg. 11515, effective July 25, 1991, for a maximum of 150 days; emergency expired December 22, 1991; emergency amendment at 15 Ill. Reg. 12919, effective August 15, 1991, for a maximum of 150 days; emergency expired January 12, 1992; emergency amendment at 15 Ill. Reg. 16366, effective October 22, 1991, for a maximum of 150 days; amended at 15 Ill. Reg. 17318, effective November 18, 1991; amended at 15 Ill. Reg. 17733, effective November 22, 1991; emergency amendment at 16 Ill. Reg. 300, effective December 20, 1991, for a maximum of 150 days; amended at 16 Ill. Reg. 174, effective December 24, 1991; amended at 16 Ill. Reg. 1877, effective January 24, 1992; amended at 16 Ill. Reg. 3552, effective February 28, 1992; amended at 16 Ill. Reg. 4006, effective March 6, 1992; amended at 16 Ill. Reg. 6408, effective March 20, 1992; expedited correction at 16 Ill. Reg. 11348, effective March 20, 1992; amended at 16 Ill. Reg. 6849, effective April 7, 1992; amended at 16 Ill. Reg. 7017, effective April 17, 1992; amended at 16 Ill. Reg. 10050, effective June 5, 1992; amended at 16 Ill. Reg. 11174, effective June 26, 1992; emergency amendment at 16 Ill. Reg. 11947, effective July 10, 1992, for a maximum of 150 days; amended at 16 Ill. Reg. 12186, effective July 24, 1992; emergency amendment at 16 Ill. Reg. 13337, effective August 14, 1992, for a maximum of 150 days; emergency amendment at 16 Ill. Reg. 15109, effective September 21, 1992, for a maximum of 150 days; amended at 16 Ill. Reg. 15561, effective September 30, 1992; amended at 16 Ill. Reg. 17302, effective November 2, 1992; emergency amendment at 16 Ill. Reg. 18097, effective November 17, 1992, for a maximum of 150 days; amended at 16 Ill. Reg. 19146, effective December 1, 1992; expedited correction at 17 Ill. Reg. 7078, effective December 1, 1992; amended at 16 Ill. Reg. 19879, effective December 7, 1992; amended at 17 Ill. Reg. 837, effective January 11, 1993; amended at 17 Ill. Reg. 1112, effective January 15, 1993; amended at 17 Ill. Reg. 2290, effective February 15, 1993; amended at 17 Ill. Reg. 2951, effective February 17, 1993; amended at 17 Ill. Reg. 3421, effective February 19, 1993; amended at 17 Ill. Reg. 6196, effective April 5, 1993; amended at 17 Ill. Reg. 6839, effective April 21, 1993; amended at 17 Ill. Reg. 7004, effective May 17, 1993; emergency amendment at 17 Ill. Reg. 11201, effective July 1, 1993, for a maximum of 150 days; emergency amendment at 17 Ill. Reg. 15162, effective September 2, 1993, for a maximum of 150 days; emergency amendment suspended at 17 Ill. Reg. 18902, effective October 12, 1993; emergency amendment at 17 Ill.

DEPARTMENT OF HEALTHCARE AND FAMILY SERVICES

NOTICE OF EMERGENCY AMENDMENTS TO EMERGENCY RULEMAKING

Reg. 18152, effective October 1, 1993, for a maximum of 150 days; amended at 17 Ill. Reg. 18571, effective October 8, 1993; emergency amendment at 17 Ill. Reg. 18611, effective October 1, 1993, for a maximum of 150 days; amended at 17 Ill. Reg. 20999, effective November 24, 1993; emergency amendment repealed at 17 Ill. Reg. 22583, effective December 20, 1993; amended at 18 Ill. Reg. 3620, effective February 28, 1994; amended at 18 Ill. Reg. 4250, effective March 4, 1994; amended at 18 Ill. Reg. 5951, effective April 1, 1994; emergency amendment at 18 Ill. Reg. 10922, effective July 1, 1994, for a maximum of 150 days; emergency amendment suspended at 18 Ill. Reg. 17286, effective November 15, 1994; emergency amendment repealed at 19 Ill. Reg. 5839, effective April 4, 1995; amended at 18 Ill. Reg. 11244, effective July 1, 1994; amended at 18 Ill. Reg. 14126, effective August 29, 1994; amended at 18 Ill. Reg. 16675, effective November 1, 1994; amended at 18 Ill. Reg. 18059, effective December 19, 1994; amended at 19 Ill. Reg. 1082, effective January 20, 1995; amended at 19 Ill. Reg. 2933, effective March 1, 1995; emergency amendment at 19 Ill. Reg. 3529, effective March 1, 1995, for a maximum of 150 days; amended at 19 Ill. Reg. 5663, effective April 1, 1995; amended at 19 Ill. Reg. 7919, effective June 5, 1995; emergency amendment at 19 Ill. Reg. 8455, effective June 9, 1995, for a maximum of 150 days; emergency amendment at 19 Ill. Reg. 9297, effective July 1, 1995, for a maximum of 150 days; emergency amendment at 19 Ill. Reg. 10252, effective July 1, 1995, for a maximum of 150 days; amended at 19 Ill. Reg. 13019, effective September 5, 1995; amended at 19 Ill. Reg. 14440, effective September 29, 1995; emergency amendment at 19 Ill. Reg. 14833, effective October 6, 1995, for a maximum of 150 days; amended at 19 Ill. Reg. 15441, effective October 26, 1995; amended at 19 Ill. Reg. 15692, effective November 6, 1995; amended at 19 Ill. Reg. 16677, effective November 28, 1995; amended at 20 Ill. Reg. 1210, effective December 29, 1995; amended at 20 Ill. Reg. 4345, effective March 4, 1996; amended at 20 Ill. Reg. 5858, effective April 5, 1996; amended at 20 Ill. Reg. 6929, effective May 6, 1996; amended at 20 Ill. Reg. 7922, effective May 31, 1996; amended at 20 Ill. Reg. 9081, effective June 28, 1996; emergency amendment at 20 Ill. Reg. 9312, effective July 1, 1996, for a maximum of 150 days; amended at 20 Ill. Reg. 11332, effective August 1, 1996; amended at 20 Ill. Reg. 14845, effective October 31, 1996; emergency amendment at 21 Ill. Reg. 705, effective December 31, 1996, for a maximum of 150 days; emergency amendment at 21 Ill. Reg. 3734, effective March 5, 1997, for a maximum of 150 days; amended at 21 Ill. Reg. 4777, effective April 2, 1997; amended at 21 Ill. Reg. 6899, effective May 23, 1997; amended at 21 Ill. Reg. 9763, effective July 15, 1997; amended at 21 Ill. Reg. 11569, effective August 1, 1997; emergency amendment at 21 Ill. Reg. 13857, effective October 1, 1997, for a maximum of 150 days; amended at 22 Ill. Reg. 1416, effective December 29, 1997; amended at 22 Ill. Reg. 4412, effective February 27, 1998; amended at 22 Ill. Reg. 7024, effective April 1, 1998; amended at 22 Ill. Reg. 10606, effective June 1, 1998; emergency amendment at 22 Ill. Reg. 13117, effective July 1, 1998, for a maximum of 150 days; amended at 22 Ill. Reg. 16302, effective August 28, 1998; amended at 22 Ill. Reg. 18979, effective September 30, 1998; amended at 22 Ill. Reg. 19898, effective October 30, 1998; emergency

DEPARTMENT OF HEALTHCARE AND FAMILY SERVICES

NOTICE OF EMERGENCY AMENDMENTS TO EMERGENCY RULEMAKING

amendment at 22 Ill. Reg. 22108, effective December 1, 1998, for a maximum of 150 days; emergency expired April 29, 1999; amended at 23 Ill. Reg. 5796, effective April 30, 1999; amended at 23 Ill. Reg. 7122, effective June 1, 1999; emergency amendment at 23 Ill. Reg. 8236, effective July 1, 1999, for a maximum of 150 days; amended at 23 Ill. Reg. 9874, effective August 3, 1999; amended at 23 Ill. Reg. 12697, effective October 1, 1999; amended at 23 Ill. Reg. 13646, effective November 1, 1999; amended at 23 Ill. Reg. 14567, effective December 1, 1999; amended at 24 Ill. Reg. 661, effective January 3, 2000; amended at 24 Ill. Reg. 10277, effective July 1, 2000; emergency amendment at 24 Ill. Reg. 10436, effective July 1, 2000, for a maximum of 150 days; amended at 24 Ill. Reg. 15086, effective October 1, 2000; amended at 24 Ill. Reg. 18320, effective December 1, 2000; emergency amendment at 24 Ill. Reg. 19344, effective December 15, 2000, for a maximum of 150 days; amended at 25 Ill. Reg. 3897, effective March 1, 2001; amended at 25 Ill. Reg. 6665, effective May 11, 2001; amended at 25 Ill. Reg. 8793, effective July 1, 2001; emergency amendment at 25 Ill. Reg. 8850, effective July 1, 2001, for a maximum of 150 days; amended at 25 Ill. Reg. 11880, effective September 1, 2001; amended at 25 Ill. Reg. 12820, effective October 8, 2001; amended at 25 Ill. Reg. 14957, effective November 1, 2001; emergency amendment at 25 Ill. Reg. 16127, effective November 28, 2001, for a maximum of 150 days; emergency amendment at 25 Ill. Reg. 16292, effective December 3, 2001, for a maximum of 150 days; emergency amendment at 26 Ill. Reg. 514, effective January 1, 2002, for a maximum of 150 days; amended at 26 Ill. Reg. 663, effective January 7, 2002; amended at 26 Ill. Reg. 4781, effective March 15, 2002; emergency amendment at 26 Ill. Reg. 5984, effective April 15, 2002, for a maximum of 150 days; amended at 26 Ill. Reg. 7285, effective April 29, 2002; emergency amendment at 26 Ill. Reg. 8594, effective June 1, 2002, for a maximum of 150 days; emergency amendment at 26 Ill. Reg. 11259, effective July 1, 2002, for a maximum of 150 days; emergency amendment at 26 Ill. Reg. 12461, effective July 29, 2002, for a maximum of 150 days; emergency amendment repealed at 26 Ill. Reg. 16593, effective October 22, 2002; emergency amendment at 26 Ill. Reg. 12772, effective August 12, 2002, for a maximum of 150 days; amended at 26 Ill. Reg. 13641, effective September 3, 2002; amended at 26 Ill. Reg. 14789, effective September 26, 2002; emergency amendment at 26 Ill. Reg. 15076, effective October 1, 2002, for a maximum of 150 days; amended at 26 Ill. Reg. 16303, effective October 25, 2002; amended at 26 Ill. Reg. 17751, effective November 27, 2002; amended at 27 Ill. Reg. 768, effective January 3, 2003; amended at 27 Ill. Reg. 3041, effective February 10, 2003; amended at 27 Ill. Reg. 4364, effective February 24, 2003; amended at 27 Ill. Reg. 7823, effective May 1, 2003; amended at 27 Ill. Reg. 9157, effective June 2, 2003; emergency amendment at 27 Ill. Reg. 10813, effective July 1, 2003, for a maximum of 150 days; amended at 27 Ill. Reg. 13784, effective August 1, 2003; amended at 27 Ill. Reg. 14799, effective September 5, 2003; emergency amendment at 27 Ill. Reg. 15584, effective September 20, 2003, for a maximum of 150 days; emergency amendment at 27 Ill. Reg. 16161, effective October 1, 2003, for a maximum of 150 days; amended at 27 Ill. Reg. 18629, effective November 26, 2003; amended at 28 Ill. Reg. 2744, effective February 1, 2004; amended at 28 Ill.

DEPARTMENT OF HEALTHCARE AND FAMILY SERVICES

NOTICE OF EMERGENCY AMENDMENTS TO EMERGENCY RULEMAKING

Reg. 4958, effective March 3, 2004; emergency amendment at 28 Ill. Reg. 6622, effective April 19, 2004, for a maximum of 150 days; amended at 28 Ill. Reg. 7081, effective May 3, 2004; emergency amendment at 28 Ill. Reg. 8108, effective June 1, 2004, for a maximum of 150 days; amended at 28 Ill. Reg. 9640, effective July 1, 2004; emergency amendment at 28 Ill. Reg. 10135, effective July 1, 2004, for a maximum of 150 days; amended at 28 Ill. Reg. 11161, effective August 1, 2004; emergency amendment at 28 Ill. Reg. 12198, effective August 11, 2004, for a maximum of 150 days; amended at 28 Ill. Reg. 13775, effective October 1, 2004; amended at 28 Ill. Reg. 14804, effective October 27, 2004; amended at 28 Ill. Reg. 15513, effective November 24, 2004; amended at 29 Ill. Reg. 831, effective January 1, 2005; amended at 29 Ill. Reg. 6945, effective May 1, 2005; emergency amendment at 29 Ill. Reg. 8509, effective June 1, 2005, for a maximum of 150 days; emergency amendment at 29 Ill. Reg. 12534, effective August 1, 2005, for a maximum of 150 days; amended at 29 Ill. Reg. 14957, effective September 30, 2005; emergency amendment at 29 Ill. Reg. 15064, effective October 1, 2005, for a maximum of 150 days; emergency amendment repealed by emergency rulemaking at 29 Ill. Reg. 15985, effective October 5, 2005, for the remainder of the maximum 150 days; emergency amendment at 29 Ill. Reg. 15610, effective October 1, 2005, for a maximum of 150 days; emergency amendment at 29 Ill. Reg. 16515, effective October 5, 2005, for a maximum of 150 days; amended at 30 Ill. Reg. 349, effective December 28, 2005; emergency amendment at 30 Ill. Reg. 573, effective January 1, 2006, for a maximum of 150 days; amended at 30 Ill. Reg. 796, effective January 1, 2006; amended at 30 Ill. Reg. 2802, effective February 24, 2006; amended at 30 Ill. Reg. 10370, effective May 26, 2006; emergency amendment at 30 Ill. Reg. 12376, effective July 1, 2006, for a maximum of 150 days; emergency amendment at 30 Ill. Reg. 13909, effective August 2, 2006, for a maximum of 150 days; amended at 30 Ill. Reg. 14280, effective August 18, 2006; expedited correction at 31 Ill. Reg. 1745, effective August 18, 2006; emergency amendment at 30 Ill. Reg. 17970, effective November 1, 2006, for a maximum of 150 days; amended at 30 Ill. Reg. 18648, effective November 27, 2006; emergency amendment at 30 Ill. Reg. 19400, effective December 1, 2006, for a maximum of 150 days; amended at 31 Ill. Reg. 388, effective December 29, 2006; emergency amendment at 31 Ill. Reg. 1580, effective January 1, 2007, for a maximum of 150 days; amended at 31 Ill. Reg. 2413, effective January 19, 2007; amended at 31 Ill. Reg. 5561, effective March 30, 2007; amended at 31 Ill. Reg. 6930, effective April 29, 2007; amended at 31 Ill. Reg. 8485, effective May 30, 2007; emergency amendment at 31 Ill. Reg. 10115, effective June 30, 2007, for a maximum of 150 days; amended at 31 Ill. Reg. 14749, effective October 22, 2007; emergency amendment at 32 Ill. Reg. 383, effective January 1, 2008, for a maximum of 150 days; peremptory amendment at 32 Ill. Reg. 6743, effective April 1, 2008; peremptory amendment suspended at 32 Ill. Reg. 8449, effective May 21, 2008; suspension withdrawn by the Joint Committee on Administrative Rules at 32 Ill. Reg. 18323, effective November 12, 2008; peremptory amendment repealed by emergency rulemaking at 32 Ill. Reg. 18422, effective November 12, 2008, for a maximum of 150 days; emergency expired April 10, 2009; peremptory amendment repealed at 33 Ill. Reg. 6667,

DEPARTMENT OF HEALTHCARE AND FAMILY SERVICES

NOTICE OF EMERGENCY AMENDMENTS TO EMERGENCY RULEMAKING

effective April 29, 2009; amended at 32 Ill. Reg. 7727, effective May 5, 2008; emergency amendment at 32 Ill. Reg. 10480, effective July 1, 2008, for a maximum of 150 days; emergency expired November 27, 2008; amended at 32 Ill. Reg. 17133, effective October 15, 2008; amended at 33 Ill. Reg. 209, effective December 29, 2008; amended at 33 Ill. Reg. 9048, effective June 15, 2009; emergency amendment at 33 Ill. Reg. 10800, effective June 30, 2009, for a maximum of 150 days; amended at 33 Ill. Reg. 11287, effective July 14, 2009; amended at 33 Ill. Reg. 11938, effective August 17, 2009; amended at 33 Ill. Reg. 12227, effective October 1, 2009; emergency amendment at 33 Ill. Reg. 14324, effective October 1, 2009, for a maximum of 150 days; emergency expired February 27, 2010; amended at 33 Ill. Reg. 16573, effective November 16, 2009; amended at 34 Ill. Reg. 516, effective January 1, 2010; amended at 34 Ill. Reg. 903, effective January 29, 2010; amended at 34 Ill. Reg. 3761, effective March 14, 2010; amended at 34 Ill. Reg. 5215, effective March 25, 2010; amended at 34 Ill. Reg. 19517, effective December 6, 2010; amended at 35 Ill. Reg. 394, effective December 27, 2010; amended at 35 Ill. Reg. 7648, effective May 1, 2011; amended at 35 Ill. Reg. 7962, effective May 1, 2011; amended at 35 Ill. Reg. 10000, effective June 15, 2011; amended at 35 Ill. Reg. 12909, effective July 25, 2011; amended at 36 Ill. Reg. 2271, effective February 1, 2012; amended at 36 Ill. Reg. 7010, effective April 27, 2012; amended at 36 Ill. Reg. 7545, effective May 7, 2012; amended at 36 Ill. Reg. 9113, effective June 11, 2012; emergency amendment at 36 Ill. Reg. 11329, effective July 1, 2012 through June 30, 2013; emergency amendment to Section 140.442(e)(4) suspended at 36 Ill. Reg. 13736, effective August 15, 2012; suspension withdrawn from Section 140.442(e)(4) at 36 Ill. Reg. 14529, September 11, 2012; emergency amendment in response to Joint Committee on Administrative Rules action on Section 140.442(e)(4) at 36 Ill. Reg. 14820, effective September 21, 2012 through June 30, 2013; emergency amendment to Section 140.491 suspended at 36 Ill. Reg. 13738, effective August 15, 2012; suspension withdrawn by the Joint Committee on Administrative Rules from Section 140.491 at 37 Ill. Reg. 890, January 8, 2013; amended at 36 Ill. Reg. 15361, effective October 15, 2012; emergency amendment at 37 Ill. Reg. 253, effective January 1, 2013 through June 30, 2013; emergency amendment at 37 Ill. Reg. 846, effective January 9, 2013 through June 30, 2013; emergency amendment at 37 Ill. Reg. 1330, effective January 15, 2013 through June 30, 2013; emergency amendment at 37 Ill. Reg. 1774, effective January 28, 2013 through June 30, 2013; emergency amendment at 37 Ill. Reg. 2348, effective February 1, 2013 through June 30, 2013.

SUBPART D: PAYMENT FOR NON-INSTITUTIONAL SERVICES

Section 140.440 Pharmacy Services**EMERGENCY**

- a) Payment shall be made only to pharmacies.

DEPARTMENT OF HEALTHCARE AND FAMILY SERVICES

NOTICE OF EMERGENCY AMENDMENTS TO EMERGENCY RULEMAKING

- b) The following conditions apply to pharmacy participation:
- 1) The pharmacy must hold a current Drug Enforcement Administration (DEA) registration issued by the United States Drug Enforcement Administration (see 21 CFR 1301 et seq.), as well as a current controlled substances license issued by the Illinois Department of Professional Regulation (see Controlled Substances Act [720 ILCS 570]) prior to enrolling with the Department.
 - 2) Licensed Pharmacy Requirements
 - A) A licensed pharmacy located in and/or administratively associated with a group practice or long-term facility must:
 - i) provide the same scope of general pharmacy and professional services as a pharmacy not so affiliated; and
 - ii) be retail in nature, open and accessible to the general public.
 - B) The pharmacy shall not limit prescriptions filled to those written by practitioners connected with the group or facility for persons receiving care or services from the group or facility.
 - 3) A hospital pharmacy which provides pharmaceutical services and supplies for inpatients, outpatient clinic patients and emergency room patients of the hospital may not enroll as a participating pharmacy unless licensed to provide pharmaceutical services to the general public (Division 5 license).
 - 4) Effective August 1, 2012, in order to dispense blood factor, a pharmacy must sign a standards of care agreement with the Department.
 - 5) Effective October 1, 2012, a pharmacy provider that is eligible to participate in the 340B federal Drug Pricing Program under Section 340B of the federal Public Health Services Act, unless that provider is eligible for participation in the 340B program as a Hemophilia Treatment Center (HTC), shall enroll in that program. Except for providers who are eligible for participation in the 340B program as HTCs, no entity participating in the federal Drug Pricing Program under Section 340B of the federal

DEPARTMENT OF HEALTHCARE AND FAMILY SERVICES

NOTICE OF EMERGENCY AMENDMENTS TO EMERGENCY RULEMAKING

Public Health Services Act may exclude Medicaid from their participation in that program. Except for providers who are eligible for participation in the 340B program as HTCs, a provider enrolled in the 340B federal Drug Pricing Program must charge the Department no more than their actual acquisition cost for the drug product plus the Department established dispensing fee, defined at Section 140.445(b), unless the Department has calculated an allowable amount specific to 340B providers for that drug. In that case, the pharmacy may bill the Department for their usual and customary charges. ~~except in the case of blood factor. A 340B pharmacy may charge the Department actual shipping costs in addition to their acquisition cost and dispensing fee.~~

- 6) Effective April 1, 2013, a pharmacy provider that is eligible to participate in the 340B federal Drug Pricing Program under Section 340B of the federal Public Health Services Act as a Hemophilia Treatment Center (HTC) shall enroll in that program. No HTC participating in the federal Drug Pricing Program under Section 340B of the federal Public Health Services Act may exclude Medicaid from their participation in that program. A provider enrolled in the 340B federal Drug Pricing Program must charge the Department no more than their actual acquisition cost for the drug product plus the Department established dispensing fee, defined at 140.445(b), unless the Department has calculated an allowable amount specific to 340B providers for that drug. In that case, the pharmacy may bill the Department their usual and customary charges.
- c) The Department shall pay for the dispensing of pharmacy items, subject to the provisions of subsection (d) below and Section 140.443, which are prescribed by a physician, dentist or podiatrist within the scope of their professional practice.
- d) Beginning with drugs dispensed on or after April 1, 1991, Department coverage shall be limited to those drug manufacturers having rebate agreements in effect as provided under Section 1927 of Title XIX of the Social Security Act (42 U.S.C. 1396s). The Department shall provide all interested parties with an updated list of drug manufacturers having rebate agreements in effect.
- e) The Department may require approval for the reimbursement of any drug except as provided in Section 140.442. When reviewing requests for prior authorization, approval decisions shall be medically based. The Department's electronic claims processing system shall be the mechanism for identification of whether a

DEPARTMENT OF HEALTHCARE AND FAMILY SERVICES

NOTICE OF EMERGENCY AMENDMENTS TO EMERGENCY RULEMAKING

prescribed drug requires prior authorization to dispensing pharmacists. A printed listing of prescribed drugs available without prior approval shall be provided to other interested parties upon request.

- f) An approved request does not guarantee payment. The recipient for whom the services/items are approved must be eligible at the time they are provided. In addition, a valid, current prescription for the requested medication must be on file and maintained by the pharmacy in accordance with the Pharmacy Practice Act of 1987 [225 ILCS 85].
- g) For purposes of Sections 140.440 through 140.448, pertaining to reimbursement for drugs, the following definitions apply:
- 1) Nursing facility means any facility which provides medical group care services as defined in Section 140.500.
 - 2) Generic drug means those legend drugs which are multiple source drugs marketed or sold by two or more labelers, marketed or sold by the same labeler under two or more different proprietary names or marketed both under a proprietary name and without such a name.
 - 3) Brand name drug means single-source innovator drugs and innovator multiple-source drugs when prior authorization has been obtained for reimbursing the innovator product.

(Source: Amended by emergency rulemaking at 37 Ill. Reg. 2348, effective February 1, 2013 through June 30, 2013)

Section 140.445 Legend Prescription Items (Not Compounded)**EMERGENCY**

~~Effective July 1, 2012, for legend (prescription) drugs, the Department shall pay the lower of:~~

- a) ~~Effective July 1, 2012, for legend (prescription) drugs, the Department shall pay the lower of:~~
- ~~1) the pharmacy's usual and customary charge to the general public; or~~
 - ~~2)b) the Department's maximum price plus the established dispensing fee of~~

DEPARTMENT OF HEALTHCARE AND FAMILY SERVICES

NOTICE OF EMERGENCY AMENDMENTS TO EMERGENCY RULEMAKING

\$5.50 for generic drugs and \$2.40 for brand name drugs. The Department shall pay only one dispensing fee per 30 days supply for those drugs dispensed in accordance with Section 140.443(h).

~~3)4)~~ For generic drugs, the Department's maximum price is calculated as the lowest of:

- A) Wholesale Acquisition Cost (WAC); or
- B) the Federal upper limit as established under section 1927(e)(4) of the Social Security Act (42 USC 1396r-8(e)(4)); or
- C) the State upper limit.

~~42)~~ For brand name drugs, the Department's maximum price is calculated as the lowest of:

- A) WAC; or
- B) the State upper limit.

~~b)~~ Effective February 1, 2013, for generic and brand name drugs purchased under the federal drug pricing program established under Section 340B of the federal Public Health Services Act (340B), the Department shall pay the actual acquisition cost for the drug, as billed by the provider, or the Department's established 340B allowable reimbursement rate for the drug, plus a dispensing fee of \$12.00 for brand and generic drugs.

~~c)3)~~ These rates ~~supersede~~supersede any rates in effect as a result of any rulemaking filed prior to the effective date of this emergency rulemaking.

(Source: Amended by emergency rulemaking at 37 Ill. Reg. 2348, effective February 1, 2013 through June 30, 2013)

DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

NOTICE OF WITHDRAWAL OF PROPOSED RULES

- 1) Heading of the Part: Day Care
- 2) Code Citations: 89 Ill. Adm. Code 1300
- 3)

<u>Section Numbers:</u>	<u>Proposed Action:</u>
1300.205	Amendment
1300.310	Amendment
- 4) Date Notice of Proposed Rule(s) Published in the Illinois Register: September 28, 2012, 36 Ill. Reg. 14460
- 5) Reason for the withdrawal: At its meeting on December 11, 2012, the Joint Committee on Administrative Rules (JCAR) objected to the above-cited rulemaking because the Part governs procurement of child care services by State agencies and CMS, as authorized by the State Agency Employees Child Services Act and the repealed Illinois Purchasing Act. These statutes conflict with, or have been supplanted by, the authority granted to the Chief Procurement Officer for General Services (CPO-GS) under the Procurement Code.

Based on the results of that meeting, and an agency agreement made with JCAR, the Department of Central Management Services is withdrawing the proposed rulemaking and, with the CPO-GS, will develop rulemaking reflecting new Procurement Code procedures for contracting of day care services.

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF WITHDRAWAL OF PROPOSED AMENDMENTS

- 1) Heading of the Part: Asbestos Abatement for Public and Private Schools and Commercial and Public Buildings in Illinois
- 2) Code Citation: 77 Ill. Adm. Code 855
- 3)

<u>Section Numbers:</u>	<u>Proposed Action:</u>
855.5	Amend
855.10	Amend
855.20	Amend
855.25	Amend
855.100	Amend
855.105	New
855.110	Amend
855.120	Amend
855.125	New
855.130	New
855.135	New
855.140	Amend
855.150	Amend
855.160	Amend
855.170	Amend
855.180	New
855.200	New
855.210	New
855.220	Amend
855.230	Repeal
855.240	Amend
855.250	New
855.260	New
855.270	New
855.280	New
855.290	New
855.300	Repeal
855.310	Repeal
855.325	Repeal
855.330	Repeal
855.340	New

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF WITHDRAWAL OF PROPOSED AMENDMENTS

- 4) Date Notice of Proposed Amendments Published in the *Illinois Register*: December 7, 2012; 36 Ill. Reg. 16804
- 5) Reason for the withdrawal: IDPH is withdrawing the proposed amendments to allow sufficient time to address comments submitted by outside parties and ensure, to the extent possible, the resolution of concerns voiced by the regulated public.

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF PUBLIC HEARING ON PROPOSED AMENDMENTS

- 1) Heading of the Part: Private Sewage Disposal Code
- 2) Code Citation: 77 Ill. Adm. Code 905
- 3) Register Citation to Notice of Proposed Amendments: 36 Ill. Reg. 15940; November 9, 2012
- 4) Date, Time and Location of Public Hearing: Tuesday, March 26, 2013 beginning at 1:00 PM, at the Illinois Department of Natural Resources Building, State Fairgrounds Gate 7, DPH Training Room, Lake Level.
- 5) Other Pertinent Information: Free parking for the Hearing will be only in Lot 21 east of the meeting site. Please sign in and out of the meeting at the main desk as you enter the building. **Those wishing to comment must submit their comments in writing at the Hearing prior to speaking.**

Amendments to each Section are as follows:

Section 905.10 – Provides new definitions and clarification to existing definitions.

Section 905.15 – Provides additional references and updates to standards and guides for the design and performance of private sewage disposal systems.

Section 905.20 – Provides updates and clarification on prohibited influent, water softeners, pipe sizing, electrical devices and alarms. Provides site restrictions for areas to be utilized for a subsurface seepage component of a private sewage disposal system.

Section 905.30 – Provides the addition of subsurface drip irrigation system technologies approved by the Department and a list of approved technologies. It removes the mound code as an approved technology.

Section 905.40 – Incorporates NSF Standard 46 requirements for filters and provides grammatical updates and clarification.

Section 905.50 – Provides amendments for the use of a NSF Standard 40 private sewage disposal system and pretreatment devices.

Section 905.55 – Provides amendments for the use of soil investigations for determining soil suitability on a site and restrictions on percolation tests; grammatical updates, clarifications, soil identification for determining the size and type of private sewage disposal system to be utilized.

Section 905.60 – Provides amendments on using soil information to size a subsurface seepage system, evaluation of a site, use of artificial drains, addition of subsurface drip irrigation systems and clarifications.

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF PUBLIC HEARING ON PROPOSED AMENDMENTS

Sections 905.70, 905.80, 905.90, 905.95, 905.96 – Provides grammatical updates and clarifications.

Section 905.100 – Provides amendments for maintaining a list of NSF approved systems and components, in addition to grammatical updates and clarifications.

Section 905.110 – Provides language for compliance for surface discharging private sewage disposal system with an NPDES permit, limitations on common collectors, discharges to a 2/3 size subsurface seepage field and effluent limitations.

Section 905.115 – Provides language for the compliance with an NPDES permit when one is required.

Section 905.120 – Provides amendments that all surface discharges be disinfected, NSF Standard 46 compliant and location of disinfection devices.

Section 905.125 – Provides grammatical updates and clarifications.

Section 905.130 – Provides for the abandonment of privies, removal of portable toilet language and provides grammatical updates and clarifications.

Section 905.135 – Provides an additional Section for portable toilet regulations covering use, design, cleaning, transporting, licensing a business and certifying individuals.

Section 905.140 – Provides amendments on when a holding tank can be used as well as grammatical updates and clarifications.

Section 905.180 – Provides amendments to fees for exam, lowers the required minimum test score to pass, consequences if an individual fails to attend an exam and a regulator exemption with requirements.

Section 905.190 – Provides amendments acknowledging by signature the requirements of maintenance for a private sewage disposal system and grammatical updates and clarifications.

Section 905.200 – Provides amendments to fees for licenses, addition of portable toilet license and certificate requirements.

Section 905.205 – Provides grammatical updates and clarifications.

Section 905.Apendix A, Section 905.Illustation C – Provides updates to ASTM standards.

Section 905.Apendix A, Section 905.Illustation D – Provides amendments to vertical separation distances for discharging points and Class V systems.

Section 905.Apendix A, Section 905.Illustation I, Section 905. Exhibit E – Provides amendments on the limitations of the design of chamber systems in a subsurface seepage system.

Section 905.Apendix A.Illustration J.Exhibit C;

Section 905.Apendix A.Illustration J. Exhibit D;

Section 905.Apendix A.Illustration L.Exhibit C;

Section 905.Apendix A.Illustration M.Exhibit A;

Section 905.Apendix A.Illustation M. Exhibit B;

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF PUBLIC HEARING ON PROPOSED AMENDMENTS

Section 905.Apendix A.Illustration N. Exhibit A:

Section 905.Apendix A.Illustration N. Exhibit B:

Section 905.Apendix A.Illustration N. Exhibit C:

Section 905.Apendix B– Provides amendments to update and clarify appendices.

The economic effect on this proposed rulemaking is unknown. Therefore, the Department requests any information that would assist in calculating this effect.

The Department anticipates adoption of this rulemaking approximately six to nine months after publication of the Notice in the *Illinois Register*.

JOINT COMMITTEE ON ADMINISTRATIVE RULES
ILLINOIS GENERAL ASSEMBLY

SECOND NOTICES RECEIVED

The following second notices were received by the Joint Committee on Administrative Rules during the period of January 29, 2013 through February 4, 2013 and have been scheduled for review by the Committee at its March 12, 2013 meeting. Other items not contained in this published list may also be considered. Members of the public wishing to express their views with respect to a rulemaking should submit written comments to the Committee at the following address: Joint Committee on Administrative Rules, 700 Stratton Bldg., Springfield IL 62706.

<u>Second Notice Expires</u>	<u>Agency and Rule</u>	<u>Start Of First Notice</u>	<u>JCAR Meeting</u>
3/14/13	<u>Illinois Student Assistance Commission</u> , Administrative Wage Garnishment (23 Ill. Adm. Code 2722)	10/12/12 36 Ill. Reg. 14978	3/12/13
3/14/13	<u>Illinois Civil Service Commission</u> , Civil Service Commission (80 Ill. Adm. Code 1)	9/7/12 36 Ill. Reg. 13743	3/12/13
3/15/13	<u>Department of Central Management Services</u> , Pay Plan (80 Ill. Adm. Code 310)	12/14/12 36 Ill. Reg. 17198	3/12/13
3/16/13	<u>Secretary of State</u> , Certificates of Title, Registration of Vehicles (92 Ill. Adm. Code 1010)	12/14/12 36 Ill. Reg. 17374	3/12/13
3/17/13	<u>Secretary of State</u> , Illinois State Library Grant Programs (23 Ill. Adm. Code 3035)	12/7/12 36 Ill. Reg. 16997	3/12/13
3/17/13	<u>Illinois Racing Board</u> , Medication (11 Ill. Adm. Code 603)	12/14/13 36 Ill. Reg. 17367	3/12/13
3/17/13	<u>Department of Financial and Professional Regulation</u> , Illinois Orthotics, Prosthetics and	4/27/12 36 Ill. Reg.	3/12/13

JOINT COMMITTEE ON ADMINISTRATIVE RULES
ILLINOIS GENERAL ASSEMBLY

SECOND NOTICES RECEIVED

Pedorthics Practice Act (68 Ill. Adm. Code 6118
1325)

ILLINOIS ADMINISTRATIVE CODE
Issue Index - With Effective Dates

Rules acted upon in Volume 37, Issue 7 are listed in the Issues Index by Title number, Part number, Volume and Issue. Inquiries about the Issue Index may be directed to the Administrative Code Division at (217) 782-7017/18.

PROPOSED RULES

83 - 281	.....	1835
86 - 3000	.....	1837
77 - 515	.....	1850
89 - 1300	.....	2374
77 - 855	.....	2375

ADOPTED RULES

89 - 10	2/4/2013	1865
89 - 114	2/4/2013	1881
89 - 117	2/4/2013	1884
89 - 165	2/4/2013	1893
17 - 710	2/4/2013	1898
35 - 211	2/4/2013	1913
35 - 307	2/4/2013	1936
35 - 310	2/4/2013	1962
35 - 611	2/4/2013	1978
77 - 300	2/4/2013	2298
77 - 330	2/4/2013	2315
77 - 340	2/4/2013	2330

EMERGENCY RULES

83 - 281	2/1/2013	2341
89 - 140	2/1/2013	2348

ORDER FORM

<input type="checkbox"/> Electronic Version of the Illinois Register (E-mail Address Required) <input type="checkbox"/> New <input type="checkbox"/> Renewal	\$290.00 (annually)
<input type="checkbox"/> Back Issues of the Illinois Register (2009 Only) Volume # _____ Issue# _____ Date _____	\$ 10.00 (each)
<input type="checkbox"/> Microfiche sets of the Illinois Register 1977 – 2003 Specify Year(s) _____	\$ 200.00 (per set)
<input type="checkbox"/> Cumulative/Sections Affected Indices 2003 - 2006 Specify Year(s) _____	\$ 5.00 (per set)
(Processing fee for credit cards purchases, if applicable.)	\$ 2.00
TOTAL AMOUNT OF ORDER	\$ _____

--	--

Check Make Checks Payable To: **Secretary of State**

<input type="checkbox"/> VISA <input type="checkbox"/> Master Card <input type="checkbox"/> Discover (There is a \$2.00 processing fee for credit card purchases.)
Card #: _____ Expiration Date: _____
Signature: _____

Send Payment To: Secretary of State
 Department of Index
 Administrative Code Division
 111 E. Monroe
 Springfield, IL 62756

Fax Order To: (217) 557-8919

Name:	Attention:	ID #:
Address:		
City:	State:	Zip Code:
Phone:	Fax:	E-Mail:

Published by **JESSE WHITE** • Secretary of State
www.cyberdriveillinois.com