

## POLLUTION CONTROL BOARD

## NOTICE OF PROPOSED AMENDMENTS

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

|                         |                          |
|-------------------------|--------------------------|
| <u>Section Numbers:</u> | <u>Proposed Actions:</u> |
| 611.125                 | Amendment                |
| 611.858                 | New Section              |
- 4) Statutory Authority: Sections 17, 27 and 28 of the Illinois Environmental Protection Act [415 ILCS 5/10 and 27]
- 5) A Complete Description of the Subjects and Issues Involved: These amendments update the current fluoride standard to reflect the recent recommendation by the United States Department of Health and Human Services. For a more detailed description, please see the Board's opinion and order of June 4, 2015 in R15-23 Amendment to Primary Drinking Water Standards: 35 Ill. Adm. Code 611.
- 6) Published studies or reports, and sources of underlying data, used to compose this rulemaking: None
- 7) Will this rulemaking replace an emergency rule 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 rulemakings pending on this Part?
- 11) Statement of Statewide Policy Objectives: This proposed rule does not create or enlarge a State mandate, as defined in Section 3(b) of the State Mandates Act. [30 ILCS 805/3(b) (2014)]
- 12) Time, Place and Manner in which interested persons may comment on this proposed rulemaking: The Board will accept written public comments on this proposal for a period of at least 45 days after the date of publication in the *Illinois Register*. Public comments must be filed with the Clerk of the Board. Public comments should reference Docket R15-23 and be addressed to:

Clerk's Office  
Illinois Pollution Control Board

RECEIVED  
CLERK'S OFFICE  
JUN 24 2015  
STATE OF ILLINOIS  
Pollution Control Board

## POLLUTION CONTROL BOARD

## NOTICE OF PROPOSED AMENDMENTS

JRTC  
100 W. Randolph St., Suite 11-500  
Chicago IL 60601

Public comments may also be filed electronically through the Clerk's Office On-Line (COOL) on the Board's website at [www.ipcb.state.il.us](http://www.ipcb.state.il.us).

Interested persons may request copies of the Board's opinion and order in R15-23 by calling the Clerk's office at 312/814-3620, or may download copies from the Board's Web site at [www.ipcb.state.il.us](http://www.ipcb.state.il.us).

For more information, contact hearing officer Marie Tipsord at 312/814-4925 or by e-mail at [Marie.Tipsord@illinois.gov](mailto:Marie.Tipsord@illinois.gov).

13) Initial Regulatory Flexibility Analysis:

- A) Types of small businesses, small municipalities and not-for-profit corporations affected: Any business that operates a community water supply system including small municipalities that add fluoride to drinking water will realize a cost savings.
- B) Reporting, bookkeeping or other procedures required for compliance: None
- C) Types of professional skills necessary for compliance: None

14) Regulatory Agenda on which this rulemaking was summarized:

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

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

TITLE 35: ENVIRONMENTAL PROTECTION  
SUBTITLE F: PUBLIC WATER SUPPLIES  
CHAPTER I: POLLUTION CONTROL BOARD

PART 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 PROPOSED 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 PROPOSED 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 PROPOSED 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
- 611.528 Transition from Subpart L to Subpart AA Requirements
- 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

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

|         |   |
|---------|---|
| 611.608 | Additional Optional Monitoring                        |
| 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 ~~(REPEALED)~~

|         |   |
|---------|---|
| 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 PROPOSED 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                          |
| 611.860 | Record Maintenance                                   |
| 611.870 | List of 36 Contaminants (Repealed)                   |

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

SUBPART U: CONSUMER CONFIDENCE REPORTS

|         |  |
|---------|--|
| 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

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

|         |  |
|---------|--|
| Section |  |
| 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  |

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

- 611.1008 Disinfection Profiling and Benchmarking Requirements: Requirements When Making a Significant Change in Disinfection Practice
- 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

SUBPART AA: REVISED TOTAL COLIFORM RULE

- Section
- 611.1051 General
- 611.1052 Analytical Methods and Laboratory Certification
- 611.1053 General Monitoring Requirements for all PWSs
- 611.1054 Routine Monitoring Requirements for Non-CWSs That Serve 1,000 or Fewer People Using Only Groundwater
- 611.1055 Routine Monitoring Requirements for CWSs That Serve 1,000 or Fewer People Using Only Groundwater

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

|                |  |
|----------------|--|
| 611.1056       | Routine Monitoring Requirements for Subpart B Systems That Serve 1,000 or Fewer People                                 |
| 611.1057       | Routine Monitoring Requirements for PWSs That Serve More Than 1,000 People   |
| 611.1058       | Repeat Monitoring and E. coli Requirements   |
| 611.1059       | Coliform Treatment Technique Triggers and Assessment Requirements for Protection Against Potential Fecal Contamination |
| 611.1060       | Violations   |
| 611.1061       | Reporting and Recordkeeping  |
| 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  |
| 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].

1 TITLE 35: ENVIRONMENTAL PROTECTION  
2 SUBTITLE F: PUBLIC WATER SUPPLIES  
3 CHAPTER I: POLLUTION CONTROL BOARD

4  
5 PART 611  
6 PRIMARY DRINKING WATER STANDARDS

7  
8 SUBPART A: GENERAL  
9

RECEIVED  
CLERK'S OFFICE  
JUN 24 2015  
STATE OF ILLINOIS  
Pollution Control Board

|    |         |   |
|----|---------|---|
| 10 | Section |   |
| 11 | 611.100 | Purpose, Scope, and Applicability                                       |
| 12 | 611.101 | Definitions   |
| 13 | 611.102 | Incorporations by Reference   |
| 14 | 611.103 | Severability  |
| 15 | 611.105 | Electronic Reporting  |
| 16 | 611.107 | Agency Inspection of PWS Facilities                                     |
| 17 | 611.108 | Delegation to Local Government  |
| 18 | 611.109 | Enforcement   |
| 19 | 611.110 | Special Exception Permits   |
| 20 | 611.111 | Relief Equivalent to SDWA Section 1415(a) Variances                     |
| 21 | 611.112 | Relief Equivalent to SDWA Section 1416 Exemptions                       |
| 22 | 611.113 | Alternative Treatment Techniques  |
| 23 | 611.114 | Siting Requirements   |
| 24 | 611.115 | Source Water Quantity   |
| 25 | 611.120 | Effective Dates   |
| 26 | 611.121 | Maximum Contaminant Levels and Finished Water Quality                   |
| 27 | 611.125 | Fluoridation Requirement  |
| 28 | 611.126 | Prohibition on Use of Lead  |
| 29 | 611.130 | Special Requirements for Certain Variances and Adjusted Standards       |
| 30 | 611.131 | Relief Equivalent to SDWA Section 1415(e) Small System Variance         |
| 31 | 611.160 | Composite Correction Program  |
| 32 | 611.161 | Case-by-Case Reduced Subpart Y Monitoring for Wholesale and Consecutive |
| 33 |         | Systems   |

34  
35 SUBPART B: FILTRATION AND DISINFECTION  
36

|    |         |   |
|----|---------|---|
| 37 | Section |   |
| 38 | 611.201 | Requiring a Demonstration                           |
| 39 | 611.202 | Procedures for Agency Determinations                |
| 40 | 611.211 | Filtration Required                                 |
| 41 | 611.212 | Groundwater under Direct Influence of Surface Water |
| 42 | 611.213 | No Method of HPC Analysis                           |
| 43 | 611.220 | General Requirements                                |

|    |         |  |
|----|---------|--|
| 44 | 611.230 | Filtration Effective Dates   |
| 45 | 611.231 | Source Water Quality Conditions                                      |
| 46 | 611.232 | Site-Specific Conditions   |
| 47 | 611.233 | Treatment Technique Violations                                       |
| 48 | 611.240 | Disinfection   |
| 49 | 611.241 | Unfiltered PWSs  |
| 50 | 611.242 | Filtered PWSs  |
| 51 | 611.250 | Filtration   |
| 52 | 611.261 | Unfiltered PWSs: Reporting and Recordkeeping                         |
| 53 | 611.262 | Filtered PWSs: Reporting and Recordkeeping                           |
| 54 | 611.271 | Protection during Repair Work  |
| 55 | 611.272 | Disinfection Following Repair  |
| 56 | 611.276 | Recycle Provisions   |
| 57 |         |  |
| 58 |         | SUBPART C: USE OF NON-CENTRALIZED TREATMENT DEVICES                  |
| 59 |         |  |
| 60 | Section |  |
| 61 | 611.280 | Point-of-Entry Devices   |
| 62 | 611.290 | Use of Point-of-Use Devices or Bottled Water                         |
| 63 |         |  |
| 64 |         | SUBPART D: TREATMENT TECHNIQUES                                      |
| 65 |         |  |
| 66 | Section |  |
| 67 | 611.295 | General Requirements   |
| 68 | 611.296 | Acrylamide and Epichlorohydrin                                       |
| 69 | 611.297 | Corrosion Control  |
| 70 |         |  |
| 71 |         | SUBPART F: MAXIMUM CONTAMINANT LEVELS (MCLs) AND                     |
| 72 |         | MAXIMUM RESIDUAL DISINFECTANT LEVELS (MRDLs)                         |
| 73 |         |  |
| 74 | Section |  |
| 75 | 611.300 | Old MCLs for Inorganic Chemical Contaminants                         |
| 76 | 611.301 | Revised MCLs for Inorganic Chemical Contaminants                     |
| 77 | 611.310 | State-Only Maximum Contaminant Levels (MCLs) for Organic Chemical    |
| 78 |         | Contaminants   |
| 79 | 611.311 | Revised MCLs for Organic Chemical Contaminants                       |
| 80 | 611.312 | Maximum Contaminant Levels (MCLs) for Disinfection Byproducts (DBPs) |
| 81 | 611.313 | Maximum Residual Disinfectant Levels (MRDLs)                         |
| 82 | 611.320 | Turbidity (Repealed)   |
| 83 | 611.325 | Microbiological Contaminants   |
| 84 | 611.330 | Maximum Contaminant Levels for Radionuclides                         |
| 85 | 611.331 | Beta Particle and Photon Radioactivity (Repealed)                    |
| 86 |         |  |

SUBPART G: LEAD AND COPPER

87  
88  
89 Section  
90 611.350 General Requirements  
91 611.351 Applicability of Corrosion Control  
92 611.352 Corrosion Control Treatment  
93 611.353 Source Water Treatment  
94 611.354 Lead Service Line Replacement  
95 611.355 Public Education and Supplemental Monitoring  
96 611.356 Tap Water Monitoring for Lead and Copper  
97 611.357 Monitoring for Water Quality Parameters  
98 611.358 Monitoring for Lead and Copper in Source Water  
99 611.359 Analytical Methods  
100 611.360 Reporting  
101 611.361 Recordkeeping

102  
103 SUBPART I: DISINFECTANT RESIDUALS, DISINFECTION BYPRODUCTS,  
104 AND DISINFECTION BYPRODUCT PRECURSORS

105  
106 Section  
107 611.380 General Requirements  
108 611.381 Analytical Requirements  
109 611.382 Monitoring Requirements  
110 611.383 Compliance Requirements  
111 611.384 Reporting and Recordkeeping Requirements  
112 611.385 Treatment Technique for Control of Disinfection Byproduct (DBP) Precursors

113  
114 SUBPART K: GENERAL MONITORING AND ANALYTICAL REQUIREMENTS

115  
116 Section  
117 611.480 Alternative Analytical Techniques  
118 611.490 Certified Laboratories  
119 611.491 Laboratory Testing Equipment  
120 611.500 Consecutive PWSs  
121 611.510 Special Monitoring for Unregulated Contaminants (Repealed)

122  
123 SUBPART L: MICROBIOLOGICAL MONITORING  
124 AND ANALYTICAL REQUIREMENTS

125  
126 Section  
127 611.521 Routine Coliform Monitoring  
128 611.522 Repeat Coliform Monitoring  
129 611.523 Invalidation of Total Coliform Samples

- 130 611.524 Sanitary Surveys
- 131 611.525 Fecal Coliform and E. Coli Testing
- 132 611.526 Analytical Methodology
- 133 611.527 Response to Violation
- 134 611.528 Transition from Subpart L to Subpart AA Requirements
- 135 611.531 Analytical Requirements
- 136 611.532 Unfiltered PWSs
- 137 611.533 Filtered PWSs

138

SUBPART M: TURBIDITY MONITORING AND ANALYTICAL REQUIREMENTS

140

141 Section

- 142 611.560 Turbidity

143

SUBPART N: INORGANIC MONITORING AND ANALYTICAL REQUIREMENTS

145

146 Section

- 147 611.591 Violation of a State MCL
- 148 611.592 Frequency of State Monitoring
- 149 611.600 Applicability
- 150 611.601 Monitoring Frequency
- 151 611.602 Asbestos Monitoring Frequency
- 152 611.603 Inorganic Monitoring Frequency
- 153 611.604 Nitrate Monitoring
- 154 611.605 Nitrite Monitoring
- 155 611.606 Confirmation Samples
- 156 611.607 More Frequent Monitoring and Confirmation Sampling
- 157 611.608 Additional Optional Monitoring
- 158 611.609 Determining Compliance
- 159 611.610 Inorganic Monitoring Times
- 160 611.611 Inorganic Analysis
- 161 611.612 Monitoring Requirements for Old Inorganic MCLs
- 162 611.630 Special Monitoring for Sodium
- 163 611.631 Special Monitoring for Inorganic Chemicals (Repealed)

164

SUBPART O: ORGANIC MONITORING AND ANALYTICAL REQUIREMENTS

166

167 Section

- 168 611.640 Definitions
- 169 611.641 Old MCLs
- 170 611.645 Analytical Methods for Organic Chemical Contaminants
- 171 611.646 Phase I, Phase II, and Phase V Volatile Organic Contaminants
- 172 611.647 Sampling for Phase I Volatile Organic Contaminants (Repealed)

- 173 611.648 Phase II, Phase IIB, and Phase V Synthetic Organic Contaminants
- 174 611.650 Monitoring for 36 Contaminants (Repealed)
- 175 611.657 Analytical Methods for 36 Contaminants (Repealed)
- 176 611.658 Special Monitoring for Organic Chemicals (Repealed)

177

178 SUBPART P: THM MONITORING AND ANALYTICAL REQUIREMENTS

179

180 Section

- 181 611.680 Sampling, Analytical, and other Requirements (Repealed)
- 182 611.683 Reduced Monitoring Frequency (Repealed)
- 183 611.684 Averaging (Repealed)
- 184 611.685 Analytical Methods (Repealed)
- 185 611.686 Modification to System (Repealed)
- 186 611.687 Sampling for THM Potential (Repealed)
- 187 611.688 Applicability Dates (Repealed)

188

189 SUBPART Q: RADIOLOGICAL MONITORING AND ANALYTICAL REQUIREMENTS

190

191 Section

- 192 611.720 Analytical Methods
- 193 611.731 Gross Alpha
- 194 611.732 Beta Particle and Photon Radioactivity
- 195 611.733 General Monitoring and Compliance Requirements

196

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

199

200 Section

- 201 611.740 General Requirements
- 202 611.741 Standards for Avoiding Filtration
- 203 611.742 Disinfection Profiling and Benchmarking
- 204 611.743 Filtration
- 205 611.744 Filtration Sampling Requirements
- 206 611.745 Reporting and Recordkeeping Requirements

207

208 SUBPART S: GROUNDWATER RULE

209 Section

- 210 611.800 General Requirements and Applicability
- 211 611.801 Sanitary Surveys for GWS Suppliers
- 212 611.802 Groundwater Source Microbial Monitoring and Analytical Methods
- 213 611.803 Treatment Technique Requirements for GWS Suppliers
- 214 611.804 Treatment Technique Violations for GWS Suppliers
- 215 611.805 Reporting and Recordkeeping for GWS Suppliers

216  
217  
218  
219  
220  
221  
222  
223  
224  
225  
226  
227  
228  
229  
230  
231  
232  
233  
234  
235  
236  
237  
238  
239  
240  
241  
242  
243  
244  
245  
246  
247  
248  
249  
250  
251  
252  
253  
254  
255  
256  
257  
258

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

- 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

259 611.911 Special Notice for Cryptosporidium

260

261 SUBPART W: INITIAL DISTRIBUTION SYSTEM EVALUATIONS

262

263 Section

264 611.920 General Requirements

265 611.921 Standard Monitoring

266 611.922 System-Specific Studies

267 611.923 40/30 Certification

268 611.924 Very Small System Waivers

269 611.925 Subpart Y Compliance Monitoring Location Recommendations

270

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

273

274 Section

275 611.950 General Requirements

276 611.951 Finished Water Reservoirs

277 611.952 Additional Watershed Control Requirements for Unfiltered Systems

278 611.953 Disinfection Profile

279 611.954 Disinfection Benchmark

280 611.955 Combined Filter Effluent Turbidity Limits

281 611.956 Individual Filter Turbidity Requirements

282 611.957 Reporting and Recordkeeping Requirements

283

284 SUBPART Y: STAGE 2 DISINFECTION BYPRODUCTS REQUIREMENTS

285

286 Section

287 611.970 General Requirements

288 611.971 Routine Monitoring

289 611.972 Subpart Y Monitoring Plan

290 611.973 Reduced Monitoring

291 611.974 Additional Requirements for Consecutive Systems

292 611.975 Conditions Requiring Increased Monitoring

293 611.976 Operational Evaluation Levels

294 611.977 Requirements for Remaining on Reduced TTHM and HAA5 Monitoring Based  
295 on Subpart I Results

296 611.978 Requirements for Remaining on Increased TTHM and HAA5 Monitoring Based  
297 on Subpart I Results

298 611.979 Reporting and Recordkeeping Requirements

299

300 SUBPART Z: ENHANCED TREATMENT FOR CRYPTOSPORIDIUM

301 Section

|     |          |  |
|-----|----------|--|
| 302 | 611.1000 | General Requirements   |
| 303 | 611.1001 | Source Water Monitoring Requirements: Source Water Monitoring                |
| 304 | 611.1002 | Source Water Monitoring Requirements: Sampling Schedules                     |
| 305 | 611.1003 | Source Water Monitoring Requirements: Sampling Locations                     |
| 306 | 611.1004 | Source Water Monitoring Requirements: Analytical Methods                     |
| 307 | 611.1005 | Source Water Monitoring Requirements: Approved Laboratories                  |
| 308 | 611.1006 | Source Water Monitoring Requirements: Reporting Source Water Monitoring      |
| 309 |          | Results  |
| 310 | 611.1007 | Source Water Monitoring Requirements: Grandfathering Previously Collected    |
| 311 |          | Data   |
| 312 | 611.1008 | Disinfection Profiling and Benchmarking Requirements: Requirements When      |
| 313 |          | Making a Significant Change in Disinfection Practice                         |
| 314 | 611.1009 | Disinfection Profiling and Benchmarking Requirements: Developing the         |
| 315 |          | Disinfection Profile and Benchmark   |
| 316 | 611.1010 | Treatment Technique Requirements: Bin Classification for Filtered Systems    |
| 317 | 611.1011 | Treatment Technique Requirements: Filtered System Additional                 |
| 318 |          | Cryptosporidium Treatment Requirements                                       |
| 319 | 611.1012 | Treatment Technique Requirements: Unfiltered System Cryptosporidium          |
| 320 |          | Treatment Requirements   |
| 321 | 611.1013 | Treatment Technique Requirements: Schedule for Compliance with               |
| 322 |          | Cryptosporidium Treatment Requirements                                       |
| 323 | 611.1014 | Treatment Technique Requirements: Requirements for Uncovered Finished        |
| 324 |          | Water Storage Facilities   |
| 325 | 611.1015 | Requirements for Microbial Toolbox Components: Microbial Toolbox Options     |
| 326 |          | for Meeting Cryptosporidium Treatment Requirements                           |
| 327 | 611.1016 | Requirements for Microbial Toolbox Components: Source Toolbox Components     |
| 328 | 611.1017 | Requirements for Microbial Toolbox Components: Pre-Filtration Treatment      |
| 329 |          | Toolbox Components   |
| 330 | 611.1018 | Requirements for Microbial Toolbox Components: Treatment Performance         |
| 331 |          | Toolbox Components   |
| 332 | 611.1019 | Requirements for Microbial Toolbox Components: Additional Filtration Toolbox |
| 333 |          | Components   |
| 334 | 611.1020 | Requirements for Microbial Toolbox Components: Inactivation Toolbox          |
| 335 |          | Components   |
| 336 | 611.1021 | Reporting and Recordkeeping Requirements: Reporting Requirements             |
| 337 | 611.1022 | Reporting and Recordkeeping Requirements: Recordkeeping Requirements         |
| 338 | 611.1023 | Requirements to Respond to Significant Deficiencies Identified in Sanitary   |
| 339 |          | Surveys Performed by USEPA or the Agency                                     |

SUBPART AA: REVISED TOTAL COLIFORM RULE

|     |          |         |
|-----|----------|---------|
| 341 |          |         |
| 342 |          |         |
| 343 | Section  |         |
| 344 | 611.1051 | General |

|     |                |  |
|-----|----------------|--|
| 345 | 611.1052       | Analytical Methods and Laboratory Certification                            |
| 346 | 611.1053       | General Monitoring Requirements for all PWSs                               |
| 347 | 611.1054       | Routine Monitoring Requirements for Non-CWSs That Serve 1,000 or Fewer     |
| 348 |                | People Using Only Groundwater  |
| 349 | 611.1055       | Routine Monitoring Requirements for CWSs That Serve 1,000 or Fewer People  |
| 350 |                | Using Only Groundwater   |
| 351 | 611.1056       | Routine Monitoring Requirements for Subpart B Systems That Serve 1,000 or  |
| 352 |                | Fewer People   |
| 353 | 611.1057       | Routine Monitoring Requirements for PWSs That Serve More Than 1,000 People |
| 354 | 611.1058       | Repeat Monitoring and E. coli Requirements                                 |
| 355 | 611.1059       | Coliform Treatment Technique Triggers and Assessment Requirements for      |
| 356 |                | Protection Against Potential Fecal Contamination                           |
| 357 | 611.1060       | Violations   |
| 358 | 611.1061       | Reporting and Recordkeeping  |
| 359 |                |  |
| 360 | 611.APPENDIX A | Regulated Contaminants   |
| 361 | 611.APPENDIX B | Percent Inactivation of G. Lamblia Cysts                                   |
| 362 | 611.APPENDIX C | Common Names of Organic Chemicals  |
| 363 | 611.APPENDIX D | Defined Substrate Method for the Simultaneous Detection of Total           |
| 364 |                | Coliforms and Eschericia Coli from Drinking Water                          |
| 365 | 611.APPENDIX E | Mandatory Lead Public Education Information for Community Water            |
| 366 |                | Systems  |
| 367 | 611.APPENDIX F | Mandatory Lead Public Education Information for Non-Transient Non-         |
| 368 |                | Community Water Systems  |
| 369 | 611.APPENDIX G | NPDWR Violations and Situations Requiring Public Notice                    |
| 370 | 611.APPENDIX H | Standard Health Effects Language for Public Notification                   |
| 371 | 611.APPENDIX I | Acronyms Used in Public Notification Regulation                            |
| 372 | 611.TABLE A    | Total Coliform Monitoring Frequency  |
| 373 | 611.TABLE B    | Fecal or Total Coliform Density Measurements                               |
| 374 | 611.TABLE C    | Frequency of RDC Measurement   |
| 375 | 611.TABLE D    | Number of Lead and Copper Monitoring Sites                                 |
| 376 | 611.TABLE E    | Lead and Copper Monitoring Start Dates                                     |
| 377 | 611.TABLE F    | Number of Water Quality Parameter Sampling Sites                           |
| 378 | 611.TABLE G    | Summary of Section 611.357 Monitoring Requirements for Water Quality       |
| 379 |                | Parameters   |
| 380 | 611.TABLE H    | CT Values (mg·min/ℓ) for Cryptosporidium Inactivation by Chlorine          |
| 381 |                | Dioxide  |
| 382 | 611.TABLE I    | CT Values (mg·min/ℓ) for Cryptosporidium Inactivation by Ozone             |
| 383 | 611.TABLE J    | UV Dose Table for Cryptosporidium, Giardia lamblia, and Virus              |
| 384 |                | Inactivation Credit  |
| 385 | 611.TABLE Z    | Federal Effective Dates  |
| 386 |                |  |

387 AUTHORITY: Implementing Sections 7.2, 17, and 17.5 and authorized by Section 27 of the  
 388 Environmental Protection Act [415 ILCS 5/7.2, 17, 17.5, and 27].  
 389

390 SOURCE: Adopted in R88-26 at 14 Ill. Reg. 16517, effective September 20, 1990; amended in  
 391 R90-21 at 14 Ill. Reg. 20448, effective December 11, 1990; amended in R90-13 at 15 Ill. Reg.  
 392 1562, effective January 22, 1991; amended in R91-3 at 16 Ill. Reg. 19010, effective December 1,  
 393 1992; amended in R92-3 at 17 Ill. Reg. 7796, effective May 18, 1993; amended in R93-1 at 17  
 394 Ill. Reg. 12650, effective July 23, 1993; amended in R94-4 at 18 Ill. Reg. 12291, effective July  
 395 28, 1994; amended in R94-23 at 19 Ill. Reg. 8613, effective June 20, 1995; amended in R95-17  
 396 at 20 Ill. Reg. 14493, effective October 22, 1996; amended in R98-2 at 22 Ill. Reg. 5020,  
 397 effective March 5, 1998; amended in R99-6 at 23 Ill. Reg. 2756, effective February 17, 1999;  
 398 amended in R99-12 at 23 Ill. Reg. 10348, effective August 11, 1999; amended in R00-8 at 23 Ill.  
 399 Reg. 14715, effective December 8, 1999; amended in R00-10 at 24 Ill. Reg. 14226, effective  
 400 September 11, 2000; amended in R01-7 at 25 Ill. Reg. 1329, effective January 11, 2001;  
 401 amended in R01-20 at 25 Ill. Reg. 13611, effective October 9, 2001; amended in R02-5 at 26 Ill.  
 402 Reg. 3522, effective February 22, 2002; amended in R03-4 at 27 Ill. Reg. 1183, effective January  
 403 10, 2003; amended in R03-15 at 27 Ill. Reg. 16447, effective October 10, 2003; amended in  
 404 R04-3 at 28 Ill. Reg. 5269, effective March 10, 2004; amended in R04-13 at 28 Ill. Reg. 12666,  
 405 effective August 26, 2004; amended in R05-6 at 29 Ill. Reg. 2287, effective January 28, 2005;  
 406 amended in R06-15 at 30 Ill. Reg. 17004, effective October 13, 2006; amended in R07-2/R07-11  
 407 at 31 Ill. Reg. 11757, effective July 27, 2007; amended in R08-7/R08-13 at 33 Ill. Reg. 633,  
 408 effective December 30, 2008; amended in R10-1/R10-17/R11-6 at 34 Ill. Reg. 19848, effective  
 409 December 7, 2010; amended in R12-4 at 36 Ill. Reg. 7110, effective April 25, 2012; amended in  
 410 R13-2 at 37 Ill. Reg. 1978, effective February 4, 2013; amended in R14-8 at 38 Ill. Reg. 3608,  
 411 effective January 27, 2014; amended in R14-9 at 38 Ill. Reg. 9792, effective April 21, 2014;  
 412 amended in R15-6 at 39 Ill. Reg. 3713, effective February 24, 2015; amended in R15-23 at 39 Ill.  
 413 Reg. \_\_\_\_\_, effective \_\_\_\_\_.  
 414

415 SUBPART A: GENERAL

416  
 417 **Section 611.125 Fluoridation Requirement**

418  
 419 All CWSs that are required to add fluoride to the water must maintain a fluoride ion  
 420 concentration, reported as F, of 0.7 to 0.9 ~~to 1.2~~ mg/L ~~in its distribution system, as required by~~  
 421 ~~Section 7a of the Public Water Supply Regulation Act [415 ILCS 40/7a].~~  
 422

423 BOARD NOTE: This is an additional State requirement.

424  
 425 (Source: Amended at 39 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)  
 426

427 SUBPART T: REPORTING AND RECORDKEEPING

428  
 429 **Section 611.858 Fluoride Secondary Standard (Repealed)**

430

431 The secondary standard for fluoride is 2.0 mg/L.

432

433 BOARD NOTE: Derived from 40 CFR 143.3 (2014).

434

435 (Source: Old Section repealed at 39 Ill. Reg. 1329 and new Section added at 39 Ill. Reg.

436 \_\_\_\_\_, effective \_\_\_\_\_)