

ILLINOIS POLLUTION CONTROL BOARD

February 21, 2002

IN THE MATTER OF:)
)
SDWA UPDATE, USEPA AMENDMENTS) R02-5
(January 1, 2001 through June 30, 2001;) (Identical-in-Substance
Arsenic Rule)) Rulemaking - Public Water Supply)

Adopted Rule. Final Order.

OPINION OF THE BOARD (by R.C. Flemal):

By this order, the Board is adopting amendments to the Illinois drinking water regulations that are identical in substance to amendments adopted by the United States Environmental Protection Agency (USEPA) to the federal Safe Drinking Water Act (SDWA) (42 U.S.C. §§ 300f *et seq.* (1994)) drinking water regulations. The federal amendments included in this docket include those adopted by USEPA during the period between January 1, 2001 and June 30, 2001. The Board has also included a number of amendments prompted by comments from the Joint Committee on Administrative Rules (JCAR), the Illinois Environmental Protection Agency (Agency), and USEPA.

These adopted amendments are based on a proposal for public comment adopted by the Board on October 4, 2001, for which a Notice of Proposed Amendments appeared in the October 26, 2001 issue of the *Illinois Register*. The Board has made only non-substantive changes to the proposal to public comments.

Under Sections 7.2 and 17.5 of the Environmental Protection Act (Act) (415 ILCS 5/7.2 and 17.5 (2000)), the Board today adopts amendments to the Illinois regulations that are “identical in substance” to drinking water regulations that USEPA adopted to implement Sections 1412(b), 1414(c), 1417(a), and 1445(a) of the federal SDWA (42 U.S.C. §§ 300g-1(a), 300g-3(c), 300g-6(a), and 300j-4(a) (1994)). The nominal timeframe of this docket includes federal SDWA amendments that USEPA adopted in the period January 1, 2001 through June 30, 2001.

Sections 7.2 and 17.5 provide for quick adoption of regulations that are identical in substance to federal regulations that USEPA adopts to implement Sections 1412(b), 1414(c), 1417(a), and 1445(a) of the federal SDWA. Section 17.5 also provides that Title VII of the Act and Section 5 of the Administrative Procedure Act (APA) (5 ILCS 100/5-35 and 5-40 (2000)) do not apply to the Board’s adoption of identical-in-substance regulations. The federal SDWA regulations are found at 40 C.F.R. 141 through 143.

This opinion supports an order that the Board also adopts today. The Board will file the adopted amendments with the Office of the Secretary of State without delay.

Under Section 7.2(b) of the Act (415 ILCS 5/7.2(b) (2000)), the Board is required to complete the rulemaking action on these amendments within one year of the earliest federal amendments involved. As is outlined below, USEPA adopted the earliest federal amendments involved on January 16, 2001. Thus, the nominal deadline for completion of these amendments was January 16, 2002. On December 5, 2001, the Board received a request from USEPA that we extend the public comment period for an additional 30 days. The Board adopted an order on December 20, 2001, that extended the public comment period for the requested 30 days, until January 9, 2002. The Board also set forth reasons for delay in that order, as allowed under Section 7.2(b) of the Act, and the deadline for completion of the rulemaking activities in this matter was extended until February 22, 2002. A Notice of Public Information on Proposed Rules explaining the extension appeared in the January 4, 2002 issue of the *Illinois Register* (at 26 Ill. Reg. 247).

FEDERAL ACTIONS CONSIDERED IN THIS RULEMAKING

The following briefly summarizes the federal actions considered in this rulemaking.

Docket R02-1: January 1, 2001 through June 30, 2001 SDWA Amendments

USEPA amended the federal SDWA regulations on only one occasion during the period January 1, 2001 through June 30, 2001. This is summarized below:

66 Fed. Reg. 2273 (January 11, 2001)

USEPA approved analytical methods for 13 List 2 unregulated contaminants that suppliers must monitor. List 2 contaminants are those for which analytical methods are under refinement. USEPA also modified the requirements for implementation of monitoring for List 1 and List 2 contaminants.

66 Fed. Reg. 3466 (January 16, 2001)

By a direct final rule, USEPA approved the use of updated test procedures for determination of various contaminants in water and wastewater.

66 Fed. Reg. 3770 (January 16, 2001)

USEPA adopted minor amendments to the December 16, 1998 interim enhanced surface water rule (63 Fed. Reg. 69478) and the Stage 1 disinfectants and disinfection byproducts rule (63 Fed. Reg. 69390). USEPA had earlier adopted these amendments by a direct final rule on April 14, 2000 (65 Fed. Reg. 20304), but later withdrew those amendments as a result of adverse public comment on June 13, 2000 (65 Fed. Reg. 37052). USEPA again adopted the amendments with minor revisions after receiving additional public comments.

66 Fed. Reg. 6976 (January 22, 2001)

USEPA adopted National Primary Drinking Water Regulations for arsenic in drinking water. The standards included monitoring and reporting requirements for demonstrating compliance. The rules are applicable to non-transient non-community water systems and community water systems.

66 Fed. Reg. 9903 (February 12, 2001)

USEPA corrected its action of January 16, 2001 (66 Fed. Reg. 3770) pertaining to interim enhanced surface water rule and the Stage 1 disinfectants and disinfection byproducts rule.

66 Fed. Reg. 16134 (March 23, 2001)

USEPA delayed the effective date of the January 22, 2001 (66 Fed. Reg. 6976) arsenic rule for 60 days, until May 22, 2001.

66 Fed. Reg. 26795 (May 15, 2001)

USEPA withdrew its January 16, 2001 (66 Fed. Reg. 3466) direct final rule that approved the use of updated test procedures for determination of various contaminants in water and wastewater.

66 Fed. Reg. 27215 (May 16, 2001)

USEPA corrected its January 11, 2001 (66 Fed. Reg. 2273) approval of analytical methods for 13 List 2 unregulated contaminants that suppliers must monitor.

66 Fed. Reg. 28342 (May 22, 2001)

USEPA again delayed the effective date of the January 22, 2001 (66 Fed. Reg. 6976) arsenic rule to February 22, 2002. The January 22, 2004 effective date for compliance and new-source monitoring aspects of the rule remained unchanged.

66 Fed. Reg. 31086 (June 8, 2001)

USEPA adopted the filter backwash recycling rule. The rule regulates the return of recycled flows to the filtration process, which could potentially threaten the microbiologic integrity of the treatment process.

No Board Action on Certain Federal Actions

Some of the federal actions that occurred during the period of January 1, 2001 through June 30, 2001 will require no action on the part of the Board to amend the Illinois drinking water regulations. The Board summarizes those federal actions here:

1. No action will be necessary on the federal January 11, 2001 (66 Fed. Reg. 2273) unregulated contaminants rules and the May 16, 2001 (66 Fed. Reg. 27215) approval of new methods for unregulated contaminants. As stated in SDWA Update, USEPA Regulations (July 1, 1999 through December 31, 1999), R00-10 (Aug. 24, 2000), USEPA and the Agency have both commented that the unregulated contaminant monitoring provisions are not segments of the federal SDWA rules that the Board is required to adopt and maintain.
2. On May 15, 2001 (66 Fed. Reg. 26795), USEPA withdrew its direct final rule of January 16, 2001 (66 Fed. Reg. 3466) in which it approved updated test procedures for water

contaminants. This withdrawal obviates Board action on the January 16, 2001 amendments (as well as the May 15, 2001 withdrawal of those amendments).

No Later SDWA (Drinking Water) Amendments of Interest

The Board engages in ongoing monitoring of federal actions. As of the date of this opinion and accompanying order, we have not identified any USEPA actions since June 30, 2001, that further amend the SDWA rules. When the Board observes an action outside the nominal timeframe of a docket that would require expedited consideration in the pending docket, the Board will expedite consideration of those amendments. Federal actions that could warrant expedited consideration include those that directly affect the amendments involved in this docket, those for which compelling reasons would warrant consideration as soon as possible and those for which the Board has received a request for expedited consideration.

Summary Tabulation of the Federal Actions Included in This Docket

January 16, 2001 (66 Fed. Reg. 3770)	Minor amendments to the December 16, 1998 interim enhanced surface water rule and Stage 1 disinfectants and disinfection byproducts rule.
January 22, 2001 (66 Fed. Reg. 6976)	National Primary Drinking Water Regulations for arsenic in drinking water.
February 12, 2001 (66 Fed. Reg. 9903)	USEPA corrected the January 16, 2001 amendments to the interim enhanced surface water rule and the Stage 1 disinfectants and disinfection byproducts rule.
March 23, 2001 (66 Fed. Reg. 16134)	USEPA delayed the effective date of the January 22, 2001 arsenic rule for 60 days, until May 22, 2001.
May 22, 2001 (66 Fed. Reg. 28342)	USEPA again delayed the effective date of the January 22, 2001 arsenic rule to February 22, 2002. (The January 22, 2004 effective date for compliance and new-source monitoring aspects of the rule remained unchanged.)
June 8, 2001 (66 Fed. Reg. 31086)	USEPA adopted the filter backwash recycling rule, regulating the return of recycled flows to the filtration process that could potentially threaten the microbiologic integrity of the treatment process.

PUBLIC COMMENTS

The Board adopted a proposal for public comment in this matter on October 4, 2001. A Notice of Proposed Amendments appeared in the October 26, 2001 issue of the *Illinois Register* (at 25 Ill. Reg. 13382), beginning the 45-day public comment period. On December 20, 2001, at the December 5, 2001 request of USEPA, the Board extended the public comment period until January 9, 2002. At the same time, the Board set forth reasons for delay and extended the deadline for Board adoption of these amendments until February 22, 2002. A Notice of Public Information on Proposed Rules explaining the extension appeared in the January 4, 2002 issue of the *Illinois Register* (at 26 Ill. Reg. 247)

During the public comment period, the Board received four comments. Those comments are listed as follows:

- PC 1 Lou Allyn Byus, Assistant Manager—Field Operations, Division of Public Water Supplies, Illinois Environmental Protection Agency (dated October 19, 2002)
- PC 2 Lou Allyn Byus, Assistant Manager—Field Operations, Division of Public Water Supplies, Illinois Environmental Protection Agency (dated November 1, 2002)
- PC 3 Rita Garner, Ground Water and Drinking Water Branch, USEPA Region V (dated January 9, 2002)
- PC 4 Stephen C. Ewart, Deputy Counsel, Division of Legal Counsel, Illinois Environmental Protection Agency (dated February 4, 2002)

In PC 1, the Agency requested that the Board withdraw the amendments based on the federal January 26, 2001 arsenic rule. The Agency essentially stated that the Board should delay action to adopt the amendments because USEPA action to implement the arsenic rule appeared uncertain. In PC 2, however, the Agency withdrew its request for delay in PC 1 because USEPA had announced its intent to implement the arsenic rule without further delay.

In PC 3, USEPA stated that it reviewed the proposed amendments. USEPA suggested a number of corrections that the Board has made in adopting the amendments. In PC 4, the Agency has also suggested a number of corrections to the amendments.

In addition to the public comments, the Board received documents from JCAR that suggested a number of corrections. The Board has revised segments of the amendments in response to the comments received, as appropriate. The table that begins at page 62 of this opinion briefly describes the revisions made since the October 26, 2001 proposal for public comment. The table that begins on page 78 outlines the suggested revisions that the Board has not made.

DISCUSSION

The following discussion begins with a description of the types of deviations the Board makes from the literal text of federal regulations in adopting identical-in-substance rules. It is followed by a discussion of the amendments and actions undertaken in direct response to the federal actions involved in this proceeding. This first series of discussions is organized by federal subject matter, generally appearing in chronological order of the relevant *Federal Register* notices involved. Finally, this discussion closes with a description of the amendments and actions that are not directly derived from the federal actions.

General Revisions and Deviations from the Federal Text

In incorporating the federal rules into the Illinois system, some deviation from the federal text is unavoidable. This deviation arises primarily through differences between the federal and

state regulatory structure and systems. Some deviation also arises through errors in and problems with the federal text itself. The Board conforms the federal text to the Illinois rules and regulatory scheme and corrects errors that we see in the text as we engage in these routine update rulemakings.

In addition to the amendments derived from federal amendments, the Board often finds it necessary to alter the text of various passages of the existing rules as provisions are opened for update in response to USEPA actions. This involves correcting deficiencies, clarifying provisions, and making other changes that are necessary to establish a clear set of rules that closely parallel the corresponding federal requirements within the codification scheme of the Illinois Administrative Code.

The Board updates the citations to the *Code of Federal Regulations* to the most recent version available. As of the date of this opinion, the most recent version of the *Code of Federal Regulations* available to the Board is the July 1, 2000 version. Thus, we have updated all citations to the 2000 version, adding references to later amendments using their appropriate *Federal Register* citation, where necessary.

The Board substituted “or” for “/” in most instances where this appeared in the federal base text, using “and” where more appropriate. The Board further used this opportunity to make a number of corrections to punctuation, grammar, spelling, and cross-reference format throughout the opened text. We changed “who” to “that” and “he” or “she” to “it,” where the person to which the regulation referred was not necessarily a natural person, or to “he or she,” where a natural person was evident; changed “which” to “that” for restrictive relative clauses; substituted “must” for “shall”; capitalized the section headings and corrected their format where necessary; and corrected punctuation within sentences.

In addition, the federal rules have been edited to establish a uniform usage throughout the Board’s regulations. For example, with respect to “shall,” “will,” and “may,” “must” is used when an action is required by the rule, without regard to whether the action is required of the subject of the sentence or not. “Shall” is no longer, since it is not used in everyday language. Thus, where a federal rule uses “shall,” the Board substitutes “must.” This is a break from our former practice where “shall” was used when the subject of a sentence has a duty to do something. “Will” is used when the Board obliges itself to do something. “May” is used when choice of a provision is optional. “Or” is used rather than “and/or,” and denotes “one or both.” “Either . . . or” denotes “one but not both.” “And” denotes “both.”

JCAR has requested that the Board refer to the United States Environmental Protection Agency in the same manner throughout all of our bodies of regulations—*i.e.*, air, water, drinking water, Resource Conservation and Recovery Act (RCRA) Subtitle D (municipal solid waste landfill), RCRA Subtitle C (hazardous waste), underground injection control (UIC), etc. The Board has decided to refer to the United States Environmental Protection Agency as “USEPA.” We will continue this conversion in future rulemakings, as additional sections become open to amendment. We will further convert “EPA” used in federal text to “USEPA,” where USEPA is clearly intended.

The Board has assembled tables to aid in the location of these alterations and to briefly outline their intended purpose. The tables set forth the miscellaneous deviations from the federal text and corrections to the pre-amended base text of the rules in detail. The tables are set forth and explained beginning at page 13 of this opinion. There is no further discussion of most of the deviations and revisions elsewhere in this opinion.

Discussion of the Federal Actions

Amendments to the Interim Enhanced Surface Water Treatment Rule and the Stage 1 Disinfectants and Disinfection Byproducts Rule-Subparts I and R and Sections 611.232, 611.250, 611.310, 611.312, 611.313, 611.680, and 611.685

On January 16, 2001 (66 Fed. Reg. 3770), USEPA adopted minor amendments to the December 16, 1998 interim enhanced surface water rule (63 Fed. Reg. 69478) and the Stage 1 disinfectant residual and disinfection byproducts (DR/DBP) rule (63 Fed. Reg. 69390). On February 12, 2001 (66 Fed. Reg. 9903), USEPA corrected the January 16, 2001 amendments. USEPA had earlier adopted these amendments by a direct final rule on April 14, 2000 (65 Fed. Reg. 20304), but later withdrew those amendments as a result of adverse public comment on June 13, 2000 (65 Fed. Reg. 37052). USEPA ultimately again adopted the amendments on January 16, 2001 after receiving additional public comments.

The Board incorporated the federal amendments into the Illinois drinking water regulations in SDWA Update, USEPA Regulations (July 1, 1998 through December 31, 1998), R99-12 (July 22, 1999), based on an advanced copy of the amendments obtained from the USEPA. At that time the Board chose to proceed without delay to adopt the amendments because they altered the effective dates of the rules that they affected. The amendments ultimately adopted by USEPA on January 16, 2001, have only minimally changed the text of the federal amendments as submitted to the Board in a draft form in 1999. In this present action the Board effects those minimal changes to complete the federal amendments.

The Board has completed the January 16, 2001 federal amendments with only minimal deviation from the text of the federal amendments. Persons interested in a detailed explanation of the substance of the underlying federal action should refer to the notice that appeared in the January 16, 2001 issue of the *Federal Register*. Table 1, which begins on page 13 of this opinion, outlines the deviations from the literal text of the federal rules that the Board found necessary to incorporate the amendments. The Board will offer no explanation of most of those deviations beyond that set forth in the table, since none of the deviations are significant enough to warrant specific discussion.

The Board requested public comment on our incorporation of the January 16, 2001 federal amendments to the interim enhanced surface water rule and the Stage 1 DR/DBP rule into the Illinois drinking water regulations. The Board received comments from USEPA and incorporated a small number of revisions to the text of the amendments as a result. Those revisions are itemized in the table that begins on page 62 of this opinion.

National Primary Drinking Water Regulation for Arsenic-Subpart N and 611.101, 611.130, 611.300, 611.301, 611.646, 611.648, 611.884, 611.Appendix A, and Appendix G

On January 22, 2001 (66 Fed. Reg. 6976), USEPA adopted National Primary Drinking Water Regulations (NPDWRs) applicable to arsenic in drinking water. The arsenic rule will lower the MCL for arsenic from the current 0.05 mg/L to 0.01 mg/L, and it will revise the analytical methods used to determine compliance, amend the monitoring requirements, and change the public notification requirements that apply to arsenic. USEPA further adopted amendments to the new source compliance demonstration requirements applicable to all inorganic contaminants (IOCs), volatile organic contaminants (VOCs), and synthetic organic contaminants (SOCs). As initially adopted by USEPA, the federal arsenic rule contained a number of different effective dates and compliance dates. The effective date for these amendments was March 23, 2001, except that the monitoring and compliance requirements of the rule were to be effective January 22, 2004, and the compliance deadline for the arsenic MCL was January 23, 2006.

On March 23, 2001 (66 Fed. Reg. 16134), USEPA delayed the effective date of various aspects of the arsenic NPDWRs until May 22, 2001. On May 22, 2001 (66 Fed. Reg. 28342), USEPA again delayed various of the effective dates until February 22, 2002. Unaffected by these actions were the effective dates of the January 22, 2001 amendments pertaining to IOCs generally and to VOCs and SOCs. The effect of the March 23, 2001 and May 22, 2001 amendments was to shift the dates when the arsenic rule takes effect. The first action changed the effective date of the arsenic rule from March 23, 2001 to May 22, 2001. The second action shifted the effective date to February 22, 2002. USEPA stated in changing these dates, it was delaying the effective dates of the amendments “to reassess the scientific and cost issues associated with the arsenic rule . . .” 66 Fed. Reg. 28342 (May 22, 2001). USEPA stated that the delayed effective dates did not affect the ultimate deadline for compliance with the new MCL for arsenic.

The following tables illustrate the initial and amended effective dates for the various aspects of the arsenic rule and the concurrent amendments:

Initial Effective Date (as published on January 22, 2001): March 23, 2001

First Revised Effective Date (as published on March 23, 2001): May 22, 2001

Current Effective Date (as published on May 22, 2001): February 22, 2002

Subject Matter	Federal Section (40 C.F.R.)	Illinois Section (35 Ill. Adm. Code)
Definitions	141.2	611.101
Old MCL (expires 1-23-2006)	141.11	611.300(a)
Analytical and monitoring requirements (the listed MCL changes on 1-23-2006)	141.23(a)	611.600(d)
Monitoring requirements	141.23(c)	611.603 preamble
Confirmation sampling	141.23(f)(1)	611.606(a)
Approved methods (method expires 1-23-2006)	141.23(k)(1) note 15	611.611(a)(2)(A) Board note

Sample collection	141.23(k)(2)	611.611(b) & (b)(2)
Mandatory health effects language (the levels that trigger the need to use the mandated language change on 7-1-2001, 7-1-2002, and 1-22-2006)	141.154(b)	611.884(b)

Initial Effective Date (as published on January 22, 2001): March 23, 2001

First Revised Effective Date (as published on March 23, 2001): May 22, 2001

Current Effective Date (as published on May 22, 2001): January 22, 2004

Subject Matter	Federal Section (40 C.F.R.)	Illinois Section (35 Ill. Adm. Code)
New system compliance (a system that begins operation or uses a new source of water after 1-22-2004)	141.23(c)(9)	611.603(i)

Unchanged Effective Date (as published on January 22, March 23, and May 22, 2001): January 22, 2004

Subject Matter	Federal Section (40 C.F.R.)	Illinois Section (35 Ill. Adm. Code)
Compliance determination (IOCs)	141.23(i)(1) & (i)(2)	611.609(a)
Compliance determination (VOCs)	141.24(f)(15)	611.646(o)
New system compliance (VOCs) (a system that begins operation or uses a new source of water after 1-22-2004)	141.24(f)(22)	611.646(v)
Compliance determination (SOCs)	141.24(h)(11)	611.648(k)
New system compliance (SOCs) (a system that begins operation or uses a new source of water after 1-22-2004)	141.24(h)(20)	611.648(t)

Unchanged Effective Date (as published on January 22, March 23, and May 22, 2001): January 23, 2006

Subject Matter	Federal Section (40 C.F.R.)	Illinois Section (35 Ill. Adm. Code)
Results reporting	141.23(i)(4)	611.609(d)
Laboratory certification	141.23(k)(3)	611.611(c)
New MCL & BAT	141.62	611.301(b)
Mandatory health effects language (the listed MCL changes on 1-23-2006)	Appendix A to Subpart O	611.Appendix A
Summary of public notice requirements (the listed MCL and Tier 3 violation citations change on 1-23-2006)	Appendix A to Subpart Q	611.Appendix G

Standard health effects language (the listed MCL changes on 1-23-2006)	Appendix B to Subpart Q	611.Appendix H
Variance and exemption requirements	142.62(b)	611.130(c)(1) Board note

The Board has incorporated the federal arsenic rule amendments into the Illinois drinking water regulations with minimal deviation from the literal text of the federal amendments. Persons interested in the substance of the underlying federal action should refer to the notice that appeared in the January 22, 2001, March 23, 2001, and May 22, 2001 issues of the *Federal Register*. Table 1, which begins on page 14 of this opinion, outlines the deviations from the literal text of the federal rules that the Board found necessary to incorporate the amendments. The Board will offer no explanation of most of those deviations beyond that set forth in the table. We do, however, explain the more significant deviations in this discussion.

One set of deviations from the federal text that the Board has found necessary relates to the various federal effective dates involved. We have found it necessary to preface several provisions with their federal effective dates. As explained in SDWA Update, USEPA Regulations (July 1, 2000 through December 31, 2000), R01-20 (Oct. 4, 2001), under federal law, USEPA can codify two versions of a single provision, with one effective up to a certain date and another effective after that date. The Board must codify those versions as separate provisions, and we can then later amend the regulations to remove the expired provision. The Board will codify the new provision under the existing subsection designation as effective on some future date, then renumber the existing provision under a new subsection designation as effective until that future date. Thus, the Board has prefaced Sections 611.601(d)(2), 611.603 preamble, 611.606(a), 611.609(a) and (b), as effective on February 22, 2002; Sections 611.611(b), (c), (o), and (o)(1) through (o)(6), and 611.648(k) and (k)(1) through (k)(5) as effective January 22, 2004 and Sections 611.646(o)(6) and (o)(7) and 611.648(k)(6) and (k)(7) as effective until January 22, 2004, the old MCL listed at Section 611.Appendix A (“arsenic”) as effective until January 23, 2006 and the new MCL as effective on January 23, 2006, and Section 611.300(b) as effective until January 23, 2006.

The Board makes a specific observation on one aspect of the effect of the federal arsenic rule on the Illinois regulations. Most segments of Section 611.300, as it exists today, are derived from the Illinois regulations adopted under Section 27 of the Act (415 ILCS 5/27 (2000)) that predate the federally derived SDWA regulations adopted as identical-in-substance rules under Sections 7.2 and 17.5 of the Act (415 ILCS 5/7.2 and 17.5 (2000)) and currently codified as 35 Ill. Adm. Code 611 today. *See Safe Drinking Water Act Regulations*, R88-26 (Aug. 9, 1990) at pp. 73-74; 35 Ill. Adm. Code 604.202 (1988). Over time, the federally-derived MCLs have been removed from this Section, leaving only the state-only inorganic MCLs but those for iron, manganese, and zinc.¹ The January 23, 2006 expiration of the old arsenic MCL will remove that last federally derived rule from Section 611.300. After that date, the remaining provisions in this Section will be exclusively state-derived rules.

¹ National secondary MCLs exist for these contaminants, but the Board is not required to incorporate them into the Illinois regulations, since they are not NPDWRs. *See* 415 ILCS 5/17.5 (2000) and 40 C.F.R. 143.1 (2000).

The Board requested public comment on our incorporation of the January 16, 2001 federal amendments to the radiologic contaminant rules into the Illinois drinking water regulations. The Board received comments from USEPA and incorporated a small number of revisions to the text of the amendments as a result. Those revisions are itemized in the table that begins on page 62 of this opinion.

Filter Backwash Rule-Sections 611.276 and 611.Appendices A and G

On June 8, 2001 (66 Fed. Reg. 31086), USEPA adopted the filter backwash recycling rule (FBRR). USEPA stated that the purpose of the FBRR is to protect public health by requiring suppliers to change their practice of return of filter backwash water to the treatment process; the purpose of the change is to avoid any compromise of microbial control. The FBRR addresses filter backwash water, sludge thickener supernatant water, and waters from dewatering processes. The FBRR added new 40 C.F.R. 141.76 to the regulations, which requires suppliers to submit a detailed written notification to the State by December 8, 2003, if it recycles spent filter backwash water, thickener supernatant, or dewatering process liquids. Suppliers are prohibited, effective June 8, 2004, against returning these flows to the treatment process except through the existing filtration system or to an alternative location approved by the State. The new rule requires that a supplier must complete all capital improvements necessary to comply with the rule's requirements before June 8, 2006. Also effective June 8, 2004, the suppliers are required to maintain records containing specified information for State inspection.

The Board has incorporated the federal amendments into the Illinois drinking water regulations as 35 Ill. Adm. Code 611.276 with minimal deviation from the literal text of corresponding 40 C.F.R. 141.76. Persons interested in the substance of the underlying federal action should refer to the notice that appeared in the June 8, 2001 issue of the *Federal Register*. Table 1, which begins on page 13 of this opinion, outlines the deviations from the literal text of the federal rules that the Board found necessary to incorporate the amendments. The Board will offer no explanation of those deviations beyond that set forth in the table. We do, however, consider in this discussion specific significant issues raised by subsection (c) of the new Section.

The first issue relating to subsection (c) relates to State designation of alternative locations to return the backwash flows. The information required of the supplier for submission to the State is detailed engineering information that would help the State to gauge the performance and effectiveness of the supplier's filtration process. No segment of the rule, however, sets forth an objective standard for performance or otherwise sets forth a basis for a State determination of an alternative location for introducing the flows. For this reason, and since the only basis for an Agency determination under the Act is by a permit issued pursuant to Section 39 of the Act (415 ILCS 5/39 (2000)), the Board has specified that an Agency determination of an alternative location for reintroducing return flows is to be made as a permit decision. Since standards for Agency permit issuance are set forth in Section 39 of the Act, with an Agency permit decision being subject to Board review under Section 40 of the Act (415 ILCS 5/39, 40 (2000)).

The second issue relating to subsection (c) of the new provision appears to require compliance with a plan approved by the State by June 8, 2004, but it also provides that the supplier must comply by no later than June 8, 2006 if capital improvements are necessary to achieve compliance. The question arises as to what must occur by June 8, 2004: must the State approve the point for reintroduction of the return flows, or must the supplier comply by returning those flows only to that point by that date? The Board reads this provision as requiring compliance by reintroducing the return flows only at an Agency-approved point in the process by that date. The second question that arises is whether the need for capital improvements to achieve compliance automatically extends the date for compliance until June 8, 2006, or if the mention of the extended compliance date is an indication that the State can extend the date in a specific case where proof has been made that capital improvements are required. The Board notes that section 1412(b)(10) of the federal SDWA (42 U.S.C. § 300g-1(b)(10) (1994)) allows the State to extend the deadline for compliance for up to two years where it determines that such an extension is necessary because the supplier needs to undertake capital improvements to achieve compliance. We read the extension provision of 40 C.F.R. 141.76(c) as referring to a two-year extension as allowed under section 1412(b) of SDWA, and not as automatically allowing such an extension. Thus, in order to obtain an extension of the compliance deadline, the supplier must file an appropriate petition under Section 28.1 or 37 of the Act (415 ILCS 5/28.1 or 37 (2000)) before the Board for relief from the June 8, 2004 date.

The Board requested public comment on our incorporation of the January 16, 2001 federal amendments to the filter backwash rule into the Illinois drinking water regulations. In particular, we requested specific comment on our interpretations concerning standards for State determination of the appropriate alternative location for reintroduction of return flows to the treatment process and to the availability of a two-year extension of the compliance deadline where capital improvements are necessary to achieve compliance. The Board received no comments on this aspect of the October 4, 2001 proposal for public comment.

Agency or Board Action

Section 7.2(a)(5) of the Act requires the Board to specify portions of the program USEPA over which will retain decision making authority. Based on the general division of functions within the Act and other Illinois statutes, the Board is also to specify which State agency is to make decisions.

In situations in which the Board has determined that USEPA will retain decision-making authority, the Board has replaced “Regional Administrator” with USEPA, so as to avoid specifying which office within USEPA is to make a decision.

In some identical-in-substance rules, certain decisions pertaining to a permit application are not appropriate for the Agency to consider. In determining the general division of authority between the Agency and the Board, the following factors should be considered:

1. Whether the person making the decision is applying a Board regulation, or taking action contrary to (“waiving”) a Board regulation. It generally takes some form of Board action to “waive” a Board regulation.

2. Whether there is a clear standard for action such that the Board can give meaningful review to an Agency decision.
3. Whether the action would result in exemption from the permit requirement itself. If so, Board action is generally required.
4. Whether the decision amounts to “determining, defining or implementing environmental control standards” within the meaning of Section 5(b) of the Act. If so, it must be made by the Board.

There are four common classes of Board decisions: variance, adjusted standard, site-specific rulemaking, and enforcement. The first three are methods by which a regulation can be temporarily postponed (variance) or adjusted to meet specific situations (adjusted standard or site-specific rulemaking). There often are differences in the nomenclature for these decisions between the USEPA and Board regulations.

Discussion of Miscellaneous Housekeeping Amendments

The tables below list numerous corrections and amendments that are not based on current federal amendments. The first table (beginning immediately below) includes deviations made in the adopted amendments from the verbatim text of the federal amendments. The second table (beginning below at page 20) contains corrections and clarifications that the Board made in the base text involved in this proposal. The amendments listed in this second table are not directly derived from the current federal amendments. Table 3 (beginning on page 62 below) is a listing of revisions made to the text of the amendments from that proposed and set forth in the Board’s opinion and order of September 7, 2000. Table 3 indicates the changes made, as well as the source that suggested each of the changes. Table 4 (beginning on page 78 below) lists a small number of suggested revisions that the Board cannot incorporate into the text of the amendments. Table 4 indicates the suggested revision, the source of the suggestion, and the reason we cannot make the suggested change. Some of the entries in these tables are discussed further in appropriate segments of the general discussion beginning at page 5 of this opinion.

Table 1:
Deviations from the Text of the Federal Amendments

Illinois Section	40 C.F.R. Section	Revision(s)
611.276(a)	141.76(a)	Changed “subpart H systems . . . employ . . . recycle” to singular “a Subpart H system supplier . . . employs . . . recycles”; changed “that” to “which” for a subsequent restrictive relative clause

611.276(b)	141.76(b)	Changed “system” to “supplier” (twice); changed “State” to “Agency”; changed “(b)(1) and (2)” to “(b)(1) and (b)(2)”; added “as follows” offset by a comma; changed the ending punctuation from a period to a colon
611.276(b)(1)	141.76(b)(1)	Changed “which” to “that” for a restrictive relative clause
611.276(b)(2)	141.76(b)(2)	Changed “State” to “Agency” (twice); changed to more specific singular “a determination”
611.276(c)	141.76(c)	Changed “system” to “supplier”; changed “a system’s” to more specific “the supplier’s”; added a comma before “as determined” to offset a parenthetical; changed “alternate” to “alternative”; added “a permit issued by”; changed “State” to “Agency”
611.276(d)	141.76(d)	Changed “system” to “supplier”; changed “(d)(1) through (6)” to more specific “(d)(1) through (d)(6)”; changed “State” to “Agency”; added “as follows” offset by a comma; changed the ending punctuation from a period to a colon
611.276(d)(1)	141.76(d)(1)	Added the indefinite article “a”
611.276(d)(2)	141.76(d)(2)	Added the indefinite article “a”
611.276(d)(3)	141.76(d)(3)	Added the definite article “the”
611.276(d)(4)	141.76(d)(4)	Added the definite article “the”
611.276(d)(6)	141.76(d)(6)	Changed “and/or” to “or”
611.276 Board note	141.76	Added an indication the federal source of this provision
611.300(a)	141.11(a)	Changed “maximum contaminant level” to the standardized abbreviation “MCL”
611.300(b)	141.11(b)	Retained the old arsenic MCL and added “until January 23, 2006”
611.301(b)	141.62(b)	Added a parenthetical “effective January 23, 2006)” for the federal effective date

611.301(c)	141.62(c)	Placed the content of footnote 4 in a parenthetical in the first column; changed “As V” to “As ^V ” (twice); changed “As III” to “As ^{III} ”; replaced the BAT notes with abbreviations for the technologies; placed the content of footnote 5 in a parenthetical appended to “O/F” in the second column; added the definite article “the” to the note text
611.301(c) “C/F”	141.62(c) note 2	Changed “systems” to singular “a system”; changed “<” to “that has fewer than”
611.301(c) “O/F”	141.62(c) note 12	Used the abbreviation “O/F” to designate this technology; used lower-case “filtration”
611.301(d)	141.62(d)	Changed “the Administrator . . . hereby identifies in the following table” to “At 40 CFR 141.62(d) . . . USEPA identified the following as”;
611.301(d) note 1	141.62(d) note 1	Added “the federal”; added the <i>United States Code</i> citation; changed “small systems” to singular “a small system supplier”
611.301(d) note 2	141.62(d) note 2	Changed “As V” to “As ^V ” (twice); changed “As III” to “As ^{III} ”
611.301(d) note 3	141.62(d) note 3	Changed “the Act (Ibid.)” to “the federal SDWA”; changed “small systems” to singular “small system suppliers”; changed the roman numerals to arabic numerals
611.301(d) note 4	141.62(d) note 4	Changed “system” to “supplier”
611.382(b)(1)(C)	141.132(b)(1)(iii)	Changed “0.060 mg/L or 0.045 mg/L for TTHMs or HAA5, respectively” to “0.060 mg/L for TTHMs or 0.045 mg/L for HAA5”; changed “system” to “supplier”; changed “0.080 mg/L or 0.060 mg/L for TTHMs or HAA5, respectively” to “0.080 mg/L for TTHMs or 0.060 mg/L for HAA5”
611.382(b)(1)(D)	141.132(b)(1)(iv)	Added a comma after “monitoring” to offset the parenthetical
611.384(b) table	141.134 table	Changed “average of all samples taken in each three samples set” to “average of each three-sample set for all sample sets”

611.600(d) table note 6	141.23(a)(4)(i) table note 6	Corrected “unit” to “unit”
611.600(d) table note 7	141.23(a)(4)(i) table note 7	Changed “EPA method” to “USEPA Method” (twice); used lower-case with added parentheses “atomic absorption-platform furnace (stabilized temperature)”; corrected “a MCL” to “an MCL”
611.600(d) table note 8	141.23(a)(4)(i) table note 8	Changed “EPA method” to “USEPA Method”; corrected “a MCL” to “an MCL”
611.601(d)(2)	141.23(a)(5)	Added the federal effective date, “February 22, 2002,” in parentheses
611.603 preamble	141.23(c)	Added the federal effective date, “February 22, 2002,” in parentheses
611.603(i)	141.23(c)(9)	Changed “all new systems or systems that use” to singular “a new system supplier . . . or a supplier . . . that uses”; moved the restrictive relative clause “that begins operation after January 22, 2004” for enhanced clarity; changed “that use a new source of water” to “whose system uses”; changed “specified by the State” to “specified by a permit issued by the Agency”; changed “system” to “supplier”; changed “State” to “Agency”; changed “shall” to “must”
611.603(i) Board note	141.76	Added an indication the federal source of this provision
611.606(a)	141.23(f)(1)	Added the federal effective date, “February 22, 2002,” in parentheses
611.609(a)	141.23(i)(1)	Added the federal effective date, “January 22, 2004,” in parentheses; added the federal effective date, “January 22, 2004,” as a parenthetical offset by a comma
611.609(b)	141.23(i)(2)	Added the federal effective date, “January 22, 2004,” in parentheses; changed “State” to “Agency” (twice); added “effective “January 22, 2004” as a parenthetical offset by a comma; changed “system” to “supplier”
611.609(d)	141.23(i)(4)	Changed “will be reported” to “must be reported”

611.611(a) Board note	141.23(k)(1) table note 13	Moved the text of the footnote into a Board note; changed “EPA Methods” to “USEPA Environmental Metals Methods”; changed “Method 200.7” to “USEPA Environmental Metals Method 200.7”; changed “Method 3120 B” to “Standard Method 3120 B”; changed “Method 200.9” to “USEPA Environmental Metals Method 200.9”; changed “Method 3113 B” to “Standard Method 3113 B”; changed “Method D3559-90D” to “ASTM Method D3559-90D”
611.611(a)(2) Board note	141.23(k)(1) table note 14	Moved the text of the footnote into a Board note
611.611(a)(2)(A) Board note	141.23(k)(1) table note 15	Moved the text of the footnote into a Board note; changed “after” to “effective”; changed “analytical methods . . . may not be used” to “a supplier may no longer employ”; changed “SM 3120 B” to “Standard Methods, Method 3120 B”; changed “prior to 2005” to “prior to the January 23, 2006 effective date” changed “systems” to singular “a supplier”
611.611(b)	141.23(k)(2)	Added the federal effective date, “January 22, 2004,” in parentheses
611.611(c)	141.23(k)(3)	Added the federal effective date, “January 23, 2006,” in parentheses
611.646(o)	141.24(f)(15)	Added the federal effective date, “January 23, 2006,” as a parenthetical offset by a comma
611.646(o)(1)	141.24(f)(15)(i)	Added the federal effective date, “January 23, 2006,” as a parenthetical offset by a comma; changed “systems monitoring” to singular “a supplier that monitors”
611.646(o)(2)	141.24(f)(15)(ii)	Added the federal effective date, “January 23, 2006,” as a parenthetical offset by a comma; changed “systems monitoring” to singular “a supplier that monitors”
611.646(o)(3)	141.24(f)(15)(iii)	Added the federal effective date, “January 23, 2006,” as a parenthetical offset by a comma; changed “system” to “supplier”

611.646(o)(4)	141.24(f)(15)(iv)	Added the federal effective date, “January 23, 2006,” as a parenthetical offset by a comma; changed “system” to “supplier”
611.646(o)(5)	141.24(f)(15)(v)	Added the federal effective date, “January 23, 2006,” as a parenthetical offset by a comma
611.646(v)	141.24(f)(22)	Changed “all new systems or systems that use . . . begin” to singular “a new system supplier or a supplier that uses . . . begins”; changed “specified by the State” to “specified by a permit issued by the Agency”; changed “the State” to “the Agency”; changed “a system” to “the supplier”; changed “shall” to “must”
611.648(k)	141.24(h)(11)	Added the federal effective date, “January 22, 2004,” as a parenthetical offset by a comma; changed “system” to “supplier”
611.648(k)(1)	141.24(h)(11)(i)	Added the federal effective date, “January 22, 2004,” as a parenthetical offset by a comma; changed “systems monitoring” to singular “a supplier that monitors”
611.648(k)(2)	141.24(h)(11)(ii)	Added the federal effective date, “January 22, 2004,” as a parenthetical offset by a comma; changed “systems monitoring” to singular “a supplier that monitors”
611.648(k)(3)	141.24(h)(11)(iii)	Added the federal effective date, “January 22, 2004,” as a parenthetical offset by a comma; changed “system” to singular “supplier”
611.648(k)(4)	141.24(h)(11)(iv)	Added the federal effective date, “January 22, 2004,” as a parenthetical offset by a comma; changed “system” to singular “supplier”
611.648(k)(5)	141.24(h)(11)(v)	Added the federal effective date, “January 22, 2004,” as a parenthetical offset by a comma; changed “system” to singular “supplier”

611.648(t)	141.24(h)(20)	Changed “All new systems or systems that use . . . that begin” to singular “a new system supplier or a supplier that uses . . . begins”; changed “specified by the State” to “specified by a permit issued by the Agency”; changed “system” to “supplier”; changed “State” to “Agency”; changed “a system” to “the supplier”; changed “shall” to “must”
611.884(b)	141.154(b)	Changed “system” to “supplier” (twice); removed the definite article “the” from before “0.05 mg/L”
611.884(b)(1)	141.154(b)(1)	Changed “system” to “supplier”; put quotation marks on the required language; changed “EPA” to “USEPA” (three times)
611.884(f)	141.154(f)	Changed “community water system” to “CWS supplier”
611.Appendix A “arsenic”	Appendix A to Part 141, Subpart O	Retained the present MCL as effective “until January 23, 2006” and predicated the new MCL as “effective January 23, 2006”; added “effective January 26, 2006” in parentheses to the MCLG
611.Appendix G ¶ IV.B.	Appendix A to Part 141, Subpart Q	Renumbered the end note “18” to “20”

Table 2:
Board Housekeeping Amendments

Section	Source	Revision(s)
611.101 “Agency”	Board	Moved a comma inside the closing quotation mark; changed “shall” to “will”
611.101 “Agency” Board note	Board, JCAR	Removed the parenthetical abbreviation “Public Health”; changed “Public Health” to “the Department of Public Health”
611.101 “Ai”	Board	Moved the closing period inside the closing quotation mark
611.101 “Approved source of bottled water”	Board	Moved a comma inside the closing quotation mark
611.101 “Approved source of bottled water” Board note	Board; JCAR	Updated the <i>Code of Federal Regulations</i> reference to the 2000 edition; changed “Good Manufacturing Practices for human foods” to the actual title of 21 C.F.R. 110, “Current Good Manufacturing Practice in Manufacturing, Packing, or Holding Human Food”

611.101 “best available technology” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “CAS No.”	Board	Added a period to the abbreviated term “No.”; moved the closing period inside the closing quotation mark
611.101 “CT”	Board	Changed “shall” to “must” (twice); moved the closing period inside closing quotation mark (twice); changed “point(s)” to “points”
611.101 “CT” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “CT _{99,9} ”	Board	Moved the closing period inside the closing quotation mark; updated the <i>Code of Federal Regulations</i> reference to the 2000 edition
611.101 “coagulation” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “community water system”	Board	Changed the defined term to lower-case “water system”
611.101 “community water system” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “compliance cycle” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “compliance period” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “comprehensive performance evaluation” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “confluent growth” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “contaminant” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “conventional filtration treatment” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “diatomaceous earth filtration” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “direct filtration” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “disinfectant” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2

611.101 “disinfectant contact time” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “disinfection” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “disinfection byproduct”	Board	Changed the defined term to lower-case “byproduct”
611.101 “disinfection profile” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “domestic or other non-distribution system plumbing problem” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “dose equivalent” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “enhanced coagulation” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “enhanced softening” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “filter profile” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “filtration” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “flocculation” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “GAC10” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “gross alpha particle activity” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “gross beta particle activity” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “groundwater under the direct influence of surface water”	Board	Added a comma before “such as” to offset a parenthetical; added commas to offset the parenthetical “such as . . . pH”; changed “which” to “that” for a restrictive relative clause
611.101 “groundwater under the direct influence of surface water” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “GWS”	Board	Moved a comma inside the closing quotation mark
611.101 “GWS” Board note	Board	Updated the <i>Code of Federal Regulations</i> reference to the 2000 edition

611.101 “haloacetic acids (five)” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “halogen” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “HPC”	Board	Moved a comma inside the closing quotation mark
611.101 “inactivation ratio”	Board; JCAR	Changed the defined term to lower-case “ratio”; restored the symbol “Σ” to reflect text on file with the Office of the Secretary of State
611.101 “inactivation ratio” Board note	Board	Updated the <i>Code of Federal Regulations</i> reference to the 2000 edition
611.101 “initial compliance period”	JCAR	Changed “benzo[a]pyrene” to “benzo(a)pyrene”
611.101 “initial compliance period” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “inorganic contaminants” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “L”	Board	Moved the closing period inside the closing quotation mark
611.101 “legionella” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “man-made beta particle and photon emitters”	Board	Placed the reference title, “Maximum Permissible . . . Occupational Exposure” in quotation marks
611.101 “man-made beta particle and photon emitters” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “maximum contaminant level”	Board	Removed the parentheses from the alternative defined term “MCL” and offset it with the conjunction “or”
611.101 “maximum contaminant level” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “maximum contaminant level goal”	Board	Removed the parentheses from the alternative defined term “MCL” and offset it with the conjunction “or”
611.101 “maximum contaminant level goal” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “maximum residual disinfectant level” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “maximum residual disinfectant level goal” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2

611.101 “maximum total trihalomethane potential” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “MFL” Board note	Board	Updated the <i>Code of Federal Regulations</i> reference to the 2000 edition
611.101 “mixed system” Board note	Board	Updated the <i>Code of Federal Regulations</i> reference to the 2000 edition
611.101 “near the first service connection” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “non-transient non-community water system” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “NPDWR	Board	Moved the ending period inside the closing quotation mark
611.101 “NTU	Board	Moved the ending period inside the closing quotation mark
611.101 “old MCL”	JCAR	Changed to capitalized “State”
611.101 “P-A coliform test	Board	Moved the ending period inside the closing quotation mark
611.101 “performance evaluation sample”	Board	Added the alternative defined term “PE sample” offset by the conjunction “or”
611.101 “performance evaluation sample” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “person”	JCAR	Changed to capitalized “State”
611.101 “person” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “picocurie” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “point of disinfectant application” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “point-of-entry treatment device”	Board	Added the alternative define term “POE” offset by the conjunction “or”
611.101 “point-of-entry treatment device” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “point-of-use treatment device”	Board	Added the alternative define term “POU” offset by the conjunction “or”
611.101 “point-of-use treatment device” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2

611.101 “Public Health”	Board	Moved a comma inside the closing quotation mark; changed “shall” to “must”
611.101 “public water system”	JCAR	Changed to the numeric “15”
611.101 “public water system” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “radioactive contaminants” Board note	Board	Updated the <i>Code of Federal Regulations</i> reference to the 2000 edition
611.101 “reliably and consistently”	Board	Changed “shall” to “must”
611.101 “reliably and consistently” Board note	Board	Updated the <i>Code of Federal Regulations</i> reference to the 2000 edition
611.101 “Rem” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “repeat compliance period” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “residual disinfectant concentration period” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “Safe Drinking Water Act” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “sanitary survey” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “sedimentation” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “service connection”	Board	Changed “a SEP” to “an SEP” (twice)
611.101 “service connection” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “slow sand filtration” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “SOC”	Board	Moved a comma inside the closing quotation mark (twice)
611.101 “special irrigation district”	Board	Changed “a SEP” to “an SEP” (twice)
611.101 “special irrigation district” Board note	Board	Updated the <i>Code of Federal Regulations</i> reference to the 2000 edition

611.101 “standard sample” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “Subpart B system” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “supplier of water” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “surface water” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “SUVA” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “SWS”	Board	Moved a comma inside the closing quotation mark (twice)
611.101 “SWS” Board note	Board	Updated the <i>Code of Federal Regulations</i> reference to the 2000 edition
611.101 “system with a single service connection” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “too numerous to count” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “total organic carbon”	Board	Changed the defined term to lower-case “organic carbon”
611.101 “total organic carbon” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “total trihalomethanes” Board note	Board	Changed “derived from” to “see”; changed “total trihalomethanes” to “trihalomethanes”; removed the unnecessary citation to 40 C.F.R. 141.2; removed parentheses; removed “see the definition of THMs”
611.101 “transient, non-community water system” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2; moved a comma inside the closing quotation mark (twice); added a comma after “transient”
611.101 “treatment”	JCAR, Board	Removed quotation marks and changed the language to read “a point of use treatment device or a point of entry treatment device”; removed the quotation marks from the word “treatment”
611.101 “trihalomethane” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “µg”	JCAR	Restored the symbol “µ” to reflect text on file with the Office of the Secretary of State.
611.101 “uncovered finished water storage facility” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “VOC”	Board	Moved a comma inside the closing quotation mark (three times)

611.101 “VOC” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “waterborne disease outbreak” Board note	Board	Removed the unnecessary citation to 40 C.F.R. 141.2
611.101 “Wellhead Protection Program”	Board	Changed the defined term to lower-case “protection program”
611.101 “Wellhead Protection Program” Board note	Board	Updated the version of the <i>Code of Federal Regulations</i> cited to the 2000 edition
611.101 Board note	Board	Added a citation to 40 C.F.R. 141.2 for the entire Section
611.102(a) ”Colisure Test”	Board	Moved a comma inside the closing quotation mark
611.102(a) ”Dioxin and Furan Method 1613”	Board	Moved a comma inside the closing quotation mark
611.102(a) ”GLI Method 2”	Board	Moved a comma inside the closing quotation mark
611.102(a) ”Dioxin and Furan Method 1613”	Board	Moved a comma inside the closing quotation mark
611.102(a) ”Guidance Manual for . . . Surface Water Sources”	Board	Removed the entry from the listing of abbreviated names
611.102(a) ”Maximum permissible . . . Occupational Exposure”	Board	Removed the entry from the listing of abbreviated names
611.102(a) ”NCRP”	Board	Moved the ending period inside the closing quotation mark
611.102(a) ”NTIS”	Board	Moved the ending period inside the closing quotation mark
611.102(a) ”New Jersey Radium Method”	Board	Moved a comma inside the closing quotation mark
611.102(a) ”New York Radium Method”	Board	Moved a comma inside the closing quotation mark
611.102(a) ”ONGP-MUG Test”	Board	Moved a comma inside the closing quotation mark (twice)
611.102(a) ”Palintest Method 1001”	Board	Added the entry to the listing of abbreviated names

611.102(a) "Procedures for Radiochemical . . . Solutions"	Board	Removed the entry from the listing of abbreviated names
611.102(a) "Radiochemical Methods"	Board	Moved a comma inside the closing quotation mark
611.102(a) "Standard Methods"	Board	Moved a comma inside the closing quotation mark (twice)
611.102(a) "Technical Bulletin 601"	Board	Moved a comma inside the closing quotation mark
611.102(a) "Technicon Methods"	Board	Moved a comma inside the closing quotation mark; changed the source to "Bran & Luebbe"
611.102(a) "USDOE Manual"	Board	Moved a comma inside the closing quotation mark
611.102(a) "USEPA Asbestos Methods- 100.1"	Board	Moved a comma inside the closing quotation mark; added the reference date to the listing
611.102(a) "USEPA Asbestos Methods- 100.2"	Board	Moved a comma inside the closing quotation mark; added the reference date to the listing
611.102(a) "USEPA Environmental Inorganics Methods"	Board	Moved a comma inside the closing quotation mark; added the reference date to the listing; removed references to "Methods for the Determination of . . . Environmental Samples" and "Determination or Inorganic Anions . . . by Ion Chromatography"
611.102(a) "USEPA Environmental Metals Methods"	Board	Moved a comma inside the closing quotation mark
611.102(a) "USEPA Inorganic Methods"	Board	Added the entry to the listing of abbreviations
611.102(a) "USEPA Interim Radiochemical Methods"	Board	Moved a comma inside the closing quotation mark
611.102(a) "USEPA Organic Methods"	Board	Moved the entry to its appropriate alphabetic position in the listing of abbreviations; moved a comma inside the closing quotation mark (four times)
611.102(a) "USEPA Radioactivity Methods"	Board	Moved a comma inside the closing quotation mark
611.102(a) "USEPA Radiochemical Analyses"	Board	Moved a comma inside the closing quotation mark

611.102(a) "USEPA Radiochemistry Methods"	Board	Moved a comma inside the closing quotation mark
611.102(a) "USEPA Technical Notes"	Board	Moved a comma inside the closing quotation mark
611.102(a) "USGS Methods"	Board	Moved a comma inside the closing quotation mark
611.102(a) "Waters Method B-1011"	Board	Moved a comma inside the closing quotation mark; changed the source to "Waters Corporation, Technical Services Division"
611.102(b) "Access Analytical Systems"	JCAR	Marked parenthetical "see Environetics, Inc." deleted in a previous rulemaking and inadvertently restored without underlining
611.102(b) "Advanced Plymer Systems"	JCAR, Board	Changed "(1999)" to "(1998)" to reflect text on file and marked that for amendment to "(2000)"
611.102(b) "American Public Health Association," "Standard Methods . . ." 17th edition	Board; JCAR	Moved a comma inside the closing quotation mark; added a comma before "1989"
611.102(b) "American Public Health Association," "Standard Methods . . ." 18th edition	Board; JCAR	Moved a comma inside the closing quotation mark (twice); changed "Water Works" to "Waterworks"
611.102(b) "American Public Health Association," "Standard Methods . . ." 19th edition	Board	Moved a comma inside the closing quotation mark
611.102(b) "American Water Works Association," "Standard Methods . . ." 18th edition	Board	Added a listing for "Method 3500-mg E"
611.102(b) "American Water Works Association," "Standard Methods . . ." 18th edition	Board	Added listings for "Method 2320 B" through "Method 4500-Si F"

611.102(b) "American Waterworks Association" "Standard Methods," 18th ed. "Method 7500 ³ H"	Board, JCAR	Corrected "3H" to " ³ H"; removed the comma after " ³ H"
611.102(b) "American Waterworks Association" "Standard Methods," 19th ed. "Method 7120 B"	Board	Placed the method in the appropriate numeric order
611.102(b) "American Waterworks Association" "Standard Methods," 19th ed. "Method 7500-U C"	Board	Placed the method in the appropriate numeric order
611.102(b) "American Waterworks Association" "Standard Methods," 19th ed. "Method 6251 B"	Board	Placed the method in the appropriate numeric order
611.102(b) "Analytical Technology"	JCAR	Removed the parentheses from "ATI Orion" that were deleted in a previous rulemaking and inadvertently restored without underlining
611.102(b) "ASTM"	Board	Updated the address and phone number information
611.102(b) "ASTM," "ASTM Method D511-93 A and B"	Board; JCAR	Moved a comma inside the closing quotation mark (twice); capitalized "Complexometirc"
611.102(b) "ASTM," "ASTM Method D515-88 A and B"	Board	Moved a comma inside the closing quotation mark (twice)
611.102(b) "ASTM," "ASTM Method D859-88"	Board	Moved a comma inside the closing quotation mark
611.102(b) "ASTM," "ASTM Method D1067-92 B"	Board	Moved a comma inside the closing quotation mark (twice)
611.102(b) "ASTM," "ASTM Method D1125-91 A"	Board	Moved a comma inside the closing quotation mark (twice)

611.102(b) "ASTM," "ASTM Method D1179-93 B"	Board	Moved a comma inside the closing quotation mark (twice)
611.102(b) "ASTM," "ASTM Method D1293-84"	Board	Moved a comma inside the closing quotation mark (twice)
611.102(b) "ASTM," "ASTM Method D1688-90 A or C"	Board	Moved a comma inside the closing quotation mark (twice)
611.102(b) "ASTM," "ASTM Method D2036-91 A or B"	Board	Moved a comma inside the closing quotation mark (twice)
611.102(b) "ASTM" "ASTM Method D2459-72"	JCAR	Restored the entry, which was previously inadvertently omitted
611.102(b) "ASTM," "ASTM Method D2460-90"	Board	Moved a comma inside the closing quotation mark
611.102(b) "ASTM," "ASTM Method D2907-91"	Board	Moved a comma inside the closing quotation mark (twice)
611.102(b) "ASTM," "ASTM Method D2972-93 B or C"	Board	Moved a comma inside the closing quotation mark (twice)
611.102(b) "ASTM," "ASTM Method D3223-91"	Board	Moved a comma inside the closing quotation mark
611.102(b) "ASTM," "ASTM Method D3454-91"	Board	Moved a comma inside the closing quotation mark
611.102(b) "ASTM," "ASTM Method D3559-90 D"	Board	Moved a comma inside the closing quotation mark (twice)
611.102(b) "ASTM," "ASTM Method D3645-93 B"	Board	Moved a comma inside the closing quotation mark (twice)
611.102(b) "ASTM," "ASTM Method D3649-91"	Board	Moved a comma inside the closing quotation mark
611.102(b) "ASTM," "ASTM Method D3697-92"	Board	Moved a comma inside the closing quotation mark
611.102(b) "ASTM," "ASTM Method D3859-93 A"	Board	Moved a comma inside the closing quotation mark (twice)

611.102(b) "ASTM," "ASTM Method D3867-90 A and B"	Board	Moved a comma inside the closing quotation mark (twice)
611.102(b) "ASTM," "ASTM Method D3972-90"	Board	Moved a comma inside the closing quotation mark
611.102(b) "ASTM," "ASTM Method D4107-91"	Board	Moved a comma inside the closing quotation mark
611.102(b) "ASTM," "ASTM Method D4327-91"	Board	Moved a comma inside the closing quotation mark
611.102(b) "ASTM," "ASTM Method D4785-88"	Board	Moved a comma inside the closing quotation mark
611.102(b) "ASTM," "ASTM Method D5174-91"	Board	Moved a comma inside the closing quotation mark
611.102(b) "ASTM," "ASTM Method D 1253-86"	Board	Moved a comma inside the closing quotation mark
611.102(b) "Bran & Luebbe"	Board	Added document source for methods for fluoride testing
611.102(b) "ERDA Health and Safety Laboratory"	JCAR, Board	Changed "(1999)" to "(1998)" to reflect text on file and marked that for amendment to "(1999)"
611.102(b) "The Hach Company"	Board	Added document source for a method for lead testing
611.102(b) "Millipore Corporation"	Board	Deleted the listing in favor of listing under Waters Corporation
611.102(b) "NCRP," "Maximum Permissible . . . Exposure"	Board	Moved a comma inside the closing quotation mark
611.102(b) "NTIS," "Interim Radiochemical Methodology . . ."	Board	Moved a comma inside the closing quotation mark
611.102(b) "NTIS" "Maximum Permissible Body Burdens . . ."	JCAR	Restored the entry, which was previously inadvertently omitted
611.102(b) "NTIS," "Method 100.1"	Board	Moved a comma inside the closing quotation mark

611.102(b) "NTIS," "Method 100.2"	Board; JCAR	Moved a comma inside the closing quotation mark; deleted the comma after "June"; changed to lower- case "referred"
611.102(b) "NTIS," "Methods for Chemical Analysis of Water and Wastes"	Board; JCAR	Moved a comma inside the closing quotation mark; deleted the comma after "March"
611.102(b) "NTIS," "Methods for the Determination of Inorganic Substances. . ."	Board; JCAR	Added the reference previously listed only in subsection (a); corrected the spelling of "inorganic"
611.102(b) "NTIS," "Methods for the Determination of Metals . . ."	Board; JCAR	Moved a comma inside the closing quotation mark; removed the comma after "June"; added a reference to the 1994 supplement
611.102(b) "NTIS," "Methods for the Determination of Metals . . ."	Board	Moved a comma inside the closing quotation mark
611.102(b) "NTIS" "Methods for the Determination of Organic Compounds . . ."	JCAR	Removed the comma after "December"
611.102(b) "NTIS," "Methods for the Determination of Organic Compounds . . . Supplement I"	Board; JCAR	Moved a comma inside the closing quotation mark; removed the comma after "July"; corrected "EPA- 600-4-90-020" to "EPA/600-4-90-020"
611.102(b) "NTIS," "Methods for the Determination of Organic Compounds . . . Supplement II"	Board; JCAR	Moved a comma inside the closing quotation mark; removed the comma after "August"
611.102(b) "NTIS," "Prescribed Procedures . . ."	Board	Moved a comma inside the closing quotation mark
611.102(b) "NTIS," "Procedures for Radiochemical . . ."	Board; JCAR	Moved a comma inside the closing quotation mark; removed the comma after "May"
611.102(b) "NTIS," "Radiochemical Analytical Procedures . . ."	Board; JCAR	Moved a comma inside the closing quotation mark; removed the comma after "March"

611.102(b) "NTIS," "Radiochemistry Procedures Manual"	Board; JCAR	Moved a comma inside the closing quotation mark; removed the comma after "December"
611.102(b) "NTIS," "Technical Notes on Drinking Water Methods"	Board; JCAR	Moved a comma inside the closing quotation mark; removed the comma after "October"
611.102(b) "NTIS," "Tetra- through Octa- Chlorinated Dioxins ..."	Board; JCAR	Moved a comma inside the closing quotation mark; removed the comma after "October"
611.102(b) "New Jersey Department of Environment," "Determination of Radium-228 . . ."	Board	Moved a comma inside the closing quotation mark
611.102(b) "New York Department of Health," "Determination of Ra- 226 and Ra-228 (Ra- 02)"	Board	Moved a comma inside the closing quotation mark
611.102(b) "Palintest"	Board	Added the listed method from this source.
611.102(b) "Technicon Industrial Systems"	Board	Deleted the listing in favor of listing under Bran & Luebbe
611.102(b) "United States Department of Energy," "EML Procedures Manual"	Board	Moved a comma inside the closing quotation mark
611.102(b) "USEPA, EMSL" "Interim Radiochemical Methodology . . ."	Board; JCAR	Moved a comma inside the closing quotation mark; removed the comma after "March"
611.102(b) "USEPA, EMSL" "Methods for the Determination . . ."	JCAR	Moved the ending period inside the closing parenthesis
611.102(b) "USEPA, EMSL" "Procedures for Radiochemical Analysis . . ."	Board	Moved a comma inside the closing quotation mark
611.102(b) "USEPA, Science and Technology Branch"	JCAR	Added a comma after "Washington"

611.102(b) "USEPA, Science and Technology Branch" "Guidance Manual for Compliance . . ."	Board; JCAR	Moved a comma inside the closing quotation mark; removed the comma after "October"
611.102(b) "USGS"	Board	Corrected the ZIP code to "25286"
611.102(b) "USGS" "Methods for Analysis . . ."	Board; JCAR	Corrected "of" to "for" in the document title; moved a comma inside the closing quotation mark (twice); added the document publication date "1993"; changed "3d" to "3rd"
611.102(b) "USGS" "Methods for Determination . . ."	Board	Moved a comma inside the closing quotation mark (twice)
611.102(b) "Waters Corporation"	Board	Moved the listing from under "Millipore Corporation"
611.102(c)	JCAR	Removed the overstruck "(1999)" and removed the underlining from "(2000)" to reflect an amendment from a prior rulemaking that was inadvertently omitted
611.130(c)(1) Board note	Board	Deleted unnecessary date from a citation to the <i>Code of Federal Regulations</i> (twice)
611.130(c)(2)	JCAR	Changed "a MCL" to "an MCL"
611.130(c) Board note	Board	Updated the <i>Code of Federal Regulations</i> reference to include a reference to later <i>Federal Register</i> amendments
611.130(d)	JCAR, Board	Added a comma after "water" to offset the introductory phrase; removed the unnecessary conjunction "or"; changed "point-of-use or point-of-entry devices" to "a point-of-use treatment device, or a point-of-entry treatment device; changed "point-of-entry devices, or point-of-use devices" to "a point-of-entry treatment device, or a point-of-use treatment device"
611.130(d)(1)	JCAR, Board	Changed "point-of-entry devices, or point-of-use devices" to "a point-of-entry treatment device, or a point-of-use treatment device; added a comma before "or other means" to offset the final element of a series
611.130(d)(2)	JCAR, Board	Added a comma after "water" to offset the introductory phrase; removed the unnecessary conjunction "and"; changed "point-of-use devices" to "a point-of-use treatment device"; changed "point-of-entry devices" to "a point-of-entry treatment device"
611.130(d)(3)	JCAR, Board	Changed "point-of-entry devices" to "a point-of-entry treatment device"

611.130(e)	JCAR	Removed the unnecessary comma from after “611.311”; added a comma after “(e)(5)” to offset the final element of a series
611.130(e)(1)	JCAR	Corrected the reference to “this subsection (e)”
611.130(f)	JCAR, Board	Changed “point-of-entry devices” to “a point-of-entry treatment device”; changed “point-of-entry device” to “a point-of-entry treatment device”
611.130(g)(1)	JCAR	Changed to Lower-case “radon” and “uranium”
611.130(g)(1)(A)	JCAR	Changed “variances and exemptions” to “relief equivalent to a federal section 1415 variance or a section 1416 exemption” to reflect an amendment adopted in a prior rulemaking but inadvertently omitted
611.130(g)(1)(B)	JCAR	Changed “variances and exemptions” to “relief equivalent to a federal section 1415 variance or a section 1416 exemption” to reflect an amendment adopted in a prior rulemaking but inadvertently omitted
611.130(g)(2)	JCAR	Changed “variances and exemptions” to “relief equivalent to a federal section 1415 variance or a section 1416 exemption” to reflect an amendment adopted in a prior rulemaking but inadvertently omitted; changed “a variance” to “relief” to reflect a prior amendment
611.130(g)(3)	JCAR	Changed “variances and exemptions” to “relief equivalent to a federal section 1415 variance or a section 1416 exemption” to reflect an amendment adopted in a prior rulemaking but inadvertently omitted; changed “a variance” to “relief” to reflect a prior amendment
611.130(g)(5)	Board; JCAR	Changed “community water system” to the standardized abbreviation “CWS”; changed to lower-case “section” (twice)
611.130(g)(6)	JCAR	Changed to lower-case “section” (twice)
611.130(g)(7)	JCAR	Changed to lower-case “section” (twice)
611.232 preamble	Board	Changed “shall” to “must”
611.232(a)(1)	Board	Changed “shall” to “must”
611.232(a)(2)	Board	Changed “shall” to “must”
611.232(a)(2)(A)	JCAR	Removed the unnecessary comma from after “611.241(b)(1)”
611.232(a)(3)	Board, JCAR	Changed “shall” to “must”; added a comma before “unless” to offset a parenthetical
611.232(a)(4)	Board, JCAR	Changed “shall” to “must”; added a comma before “unless” to offset a parenthetical

611.232(b)	Board	Changed “shall” to “must”; changed “which” to “that” for a restrictive relative clause
611.232(b)(1)	Board	Changed “shall” to “must” (twice)
611.232(b)(1)(B)	Board	Changed “system’s” to “supplier’s”
611.232(b)(1)(C)	Board	Changed “system” to “supplier”
611.232(b)(1)(C)(ii)	Board	Changed “which” to “that” for a restrictive relative clause
611.232(b)(1)(C)(iii)	Board	Changed “which” to “that” for a restrictive relative clause
611.232(b)(2)	Board	Changed “shall” to “must” (twice); changed “which” to “that” for a restrictive relative clause
611.232(c)	Board	Changed “shall” to “must” (twice)
611.232(c)(3)	Board	Changed “system’s” to “supplier’s”
611.232(c)(7)	Board	Changed “which” to “that” for a restrictive relative clause
611.232(e)	Board	Changed “shall” to “must”
611.232(f)	Board	Changed “shall” to “must” (three times); changed “system” to “supplier”
611.232(e)	Board	Changed “shall” to “must”
611.232 Board note	Board	Updated the <i>Code of Federal Regulations</i> reference to include a reference to later <i>Federal Register</i> amendments
611.250 preamble	Board, JCAR	Changed to plural “Sections” (twice); changed “shall” to “must”; changed “which” to “that” for a restrictive relative clause
611.250(a)(1)	Board, JCAR	Changed to singular “a system”; changed to definite article “the”; removed the unnecessary comma that separated “except that if”; changed “shall” to “must”
611.250(b)(1)	Board	Changed to singular “a system”; changed to definite article “the”; changed “shall” to “must”
611.250(c)(1)	Board	Changed to singular “a system”; changed to definite article “the”
611.250(c)(2)	JCAR, Agency, USEPA	Corrected “5 NTU”
611.250(d)	Board	Changed “system” to “supplier”; changed “systems” to singular “a supplier”; changed “shall” to “must”
611.250(e)	Board	Changed “systems” to singular “a supplier”; changed “shall” to “must”
611.250 Board note	Board	Updated the <i>Code of Federal Regulations</i> reference to include a reference to later <i>Federal Register</i> amendments
611.300(a)	Board	Corrected the cross-reference to “Sections 611.600 through 611.611”

611.300(a) Board note	Board	Updated the <i>Code of Federal Regulations</i> reference to the 2000 edition and to include a reference to later <i>Federal Register</i> amendments
611.300(b) Board note	Board, JCAR	Updated the <i>Code of Federal Regulations</i> reference to the 2000 edition, including a reference to later <i>Federal Register</i> amendments; removed language explaining the federal history of this provision; added language explaining that this will become a State-only provision upon expiration of the old arsenic MCL; changed to lower-case “arsenic”
611.300(c)	Board	Updated the <i>Code of Federal Regulations</i> reference to the 2000 edition
611.300(d) Board note	Board	Updated the <i>Code of Federal Regulations</i> reference to the 2000 edition
611.301(c)	Board	Changed “subsection (b) above” to “subsection (b) of this Section”
611.301 Board note	Board	Updated the <i>Code of Federal Regulations</i> reference to the 2000 edition and to include a reference to later <i>Federal Register</i> amendments
611.301(b) “nitrate”	JCAR	Removed the decimal from “10”
611.301(b) “nitrite”	JCAR	Removed the decimal from “1”
611.301(b) “total nitrate and nitrite”	JCAR	Removed the decimal from “10”
611.301(b) Board note	JCAR	Added the spaces after the colon
611.301(c) “arsenic”	JCAR	Removed the space from after the opening parenthesis
611.301(c) “chromium”	JCAR	Corrected “Cr(III)” to “Cr ^{III} ”
611.301(c) “mercury”	JCAR	Restored the symbols “≤” and “μ” to reflect the text on file (three times)
611.301(c) “selenium”	JCAR	Corrected “Se(IV)” to “Se ^{IV} ”
611.301(d) table	JCAR, Board	Changed to lower-case “alumina” (twice); changed to lower-case “point-of-use” (twice); changed to lower-case “filtration” (twice); changed “501-3,300” to “501-3,300 persons” (five times); changed “3,300-10,000” to “3,300-10,000 persons”; changed to lower-case “microfiltration”; changed to lower-case “exchange”; changed to lower-case “softening”; changed to lower-case “osmosis”
611.301(d) table note 3	JCAR, Board	Changed “fewer than 501” to “fewer than 501 persons”; removed an unnecessary comma before “but” (twice); changed “fewer than 3,301” to “fewer than 3,301 persons”; changed “fewer than 10,001” to “fewer than 10,001 persons”
611.310(a) Board note	Board	Updated the <i>Code of Federal Regulations</i> reference to the 2000 edition

611.310(b) Board note	Board	Updated the <i>Code of Federal Regulations</i> reference to the 2000 edition
611.310(c)(1)	Board	Changed “community water system” to the standardized abbreviation “CWS supplier”
611.310(c)(2)	Board, JCAR	Changed “community water systems that use” to the singular standardized abbreviation “a CWS supplier that uses”; corrected to singular “serves”
611.310(c) Board note	Board	Updated the <i>Code of Federal Regulations</i> reference to the 2000 edition; changed “supplies other than CWSs that add . . . and which provide” to singular “a supplier other than a CWS supplier that adds . . . and which provides”
611.312(b)(1)	Board	Changed “Subpart B system” to “Subpart B system supplier” (twice); changed “shall” to “must” (twice); changed “and” to “or”; changed “systems” to singular “a supplier”
611.312(b)(2)	Board	Changed “shall” to “must” (twice)
611.312 Board note	Board	Added a <i>Code of Federal Regulations</i> reference for the source of this provision, including a <i>Federal Register</i> citation to later amendments
611.313(b)(1)	Board	Changed “Subpart B system” to “Subpart B system supplier” (twice); changed “shall” to “must” (twice); changed “and” to “or”; changed “systems” to singular “a supplier”
611.313(b)(2)	Board	Changed “Subpart B system” to “Subpart B system supplier” (twice); changed “shall” to “must” (twice); changed “and” to “or”; changed “systems” to singular “a supplier”
611.313(c)	Board	Changed “subsection (a)” to “subsection (a) of this Section”
611.313 Board note	Board	Added a <i>Code of Federal Regulations</i> reference for the source of this provision, including a <i>Federal Register</i> citation to later amendments
611.380(a)(1)	Board	Changed “community water systems (CWSs) and non-transient, non-community water systems (NTNCWSs) that add . . . or which provide . . . their” to the singular standardized abbreviations “a CWS supplier or an NTNCWS supplier that adds . . . or which provides . . . its”
611.380(a)(2)	Board	Changed “transient, non-community water systems (transient non-CWSs) that use . . . their” to the singular standardized abbreviation “a transient non-CWS supplier that uses . . . its”
611.380(a)(3)	Board, JCAR	Changed “which” to “that” for a restrictive relative clause; corrected the spelling of “trichloroacetic”

611.380(b)(1)	Board, JCAR	Changed “systems” to the singular “a supplier” (twice); changed a period to a colon; changed “Subpart B system” to “Subpart B system supplier” (twice); changed “shall” to “must”; changed “and” to “or”
611.380(b)(2)	Board	Changed “Subpart B system” to “Subpart B system supplier” (twice); changed “shall” to “must” (twice); changed “systems” to the singular “a supplier”; changed “and” to “or”
611.380(c)	Board	Changed “each CWS and NTNCWS” to “each CWS or NTNCWS supplier”
611.380(d)	Board	Changed “systems” to singular “a supplier”
611.380 Board note	Board	Added a <i>Code of Federal Regulations</i> reference for the source of this provision, including a <i>Federal Register</i> citation to later amendments
611.381(a)	Board	Changed “systems” to singular “a supplier”; changed “shall” to “must”; changed “method(s)” to “methods”
611.381(b)(1)	Board	Changed “systems” to singular “a supplier”; changed “shall” to “must”
611.381(b)(1) table	Board, JCAR	Reformatted for enhanced clarity and to fit within the page borders; changed “X indicates” to “the listed” in note 1; capitalized “Method” (twice); removed the unnecessary Board note indication of the source of this provision
611.381(b)(1) table Board note	Board	Removed the unnecessary citation of the source of this provision
611.381(b)(2)	Board	Changed “shall” to “must”
611.381(c)(1)	Board	Changed “systems” to singular “a supplier”; changed “shall” to “must”
611.381(c)(1) table	Board	Reformatted for enhanced clarity and to fit within the page borders; changed “X indicates” to “the listed” in note 1; capitalized “Method” (twice); removed the unnecessary Board note indication of the source of this provision
611.381(c)(2)	Board	Changed “systems” to singular “a supplier”
611.381(c)(3)	Board	Changed “shall” to “must”
611.381(d)	Board	Changed “systems” to singular “a supplier”; changed “shall” to “must” (twice)
611.381(d)(1)	JCAR	Corrected the reference to “Section 611.611(a)(21)”
611.381(d)(4)	Board, JCAR	Added a space to “254 nm”; corrected the format of “m ⁻¹ ”; changed “systems” to singular “a supplier”; changed “system” to “supplier”
611.381 Board note	Board	Added a <i>Code of Federal Regulations</i> reference for the source of this provision, including a <i>Federal Register</i> citation to later amendments

611.382(a)(1)	Board	Changed “systems” to singular “a supplier”; changed “shall” to “must”
611.382(a)(2)	Board	Changed “systems” to singular “a supplier”
611.382(a)(4)	Board	Changed “system’s” to “supplier’s”
611.382(a)(5)	Board	Changed “systems” to singular “a supplier”; changed “shall” to “must”
611.382(b)(1)(A)	Board	Changed “systems” to singular “a supplier”; changed “shall” to “must”
611.382(b)(1)(A) table	Board, JCAR	Reformatted for enhanced clarity and to fit within the page borders; changed “system” to “supplier” (six times); changed “Subpart B system” to “Subpart B system supplier” (three times); added the definite article “the” before “standards”; moved footnote marking “2” outside the period; corrected the cross-reference to “subsection (b)(1)(D) of this Section” (twice); changed systems” to singular “a supplier” (twice); added a comma before “with” to offset a parenthetical; removed the unnecessary Board note indication of the source of this provision
611.382(b)(1)(B)	Board	Changed “systems” to singular “a supplier”
611.382(b)(1)(B) table	Board, JCAR	Reformatted for enhanced clarity and to fit within the page borders; changed “Subpart B system” to “Subpart B system supplier” (three times); changed “which” to “that” for a restrictive relative clause (twice); changed “system” to “supplier”; added the definite article “the” before “supplier”; corrected “or” to lower case; removed the unnecessary Board note indication of the source of this provision
611.382(b)(1)(C)	Board, JCAR	Changed “systems” to singular “a supplier” (five times); changed “which” to “that” for a restrictive relative clause (twice); corrected to singular “does”; changed “system” to “supplier” (twice); corrected “≥” to “>”; removed the unnecessary Board note indication of the source of this provision
611.382(b)(1)(D)	Board	Changed “systems” to singular “a supplier”; changed “the” to “its”
611.382(b)(1)(E)	Board	Changed “system” to “supplier”
611.382(b)(2)	Board	Changed “community and nontransient noncommunity water systems” to singular standardized abbreviations “a CWS or NTNCWS supplier”; changed “shall” to “must”
611.382(b)(2)(A)(i)	Board	Changed “systems” to the singular “a supplier”; changed “shall” to “must” (twice); changed “system” to “supplier”

611.382(b)(2)(A)(ii)	Board	Changed “systems” to singular “a supplier”; changed “shall” to “must”; changed “system” to “supplier” (twice)
611.382(b)(2)(B)	Board	Changed “system” to “supplier”; changed “shall” to “must”
611.382(b)(2)(C)(ii)	Board	Changed “system” to “supplier” (four times); changed “shall” to “must”
611.382(b)(3)(A)	Board, JCAR	Changed “community and nontransient noncommunity water systems” to singular standardized abbreviations “a CWS or NTNCWS supplier” changed “shall” to “must” (twice); changed “systems” to singular “a supplier”;
611.382(b)(3)(B)	Board	Changed “systems” to singular “a supplier”; changed “system” to “supplier” (three times); changed “shall” to “must”
611.382(c)(1)(A)	Board	Changed “community and nontransient noncommunity water systems that use” to singular standardized abbreviations “a CWS or NTNCWS supplier that uses”; changed “shall” to “must” (twice); changed “systems” to singular “a supplier”
611.382(c)(2)(A)	Board	Changed “community, nontransient noncommunity and transient noncommunity water systems that use” to singular standardized abbreviations “a CWS, an NTNCWS, or a non-transient non-CWS supplier that uses”; changed “shall” to “must” (twice); changed “system” to singular “supplier”
611.382(c)(2)(B)	Board	Changed “system” to “supplier” (three times); changed “shall” to “must” (three times)
611.382(d)(1)	Board	Changed “Subpart B system” to “Subpart B supplier”; changed “shall” to “must” (three times); changed “all systems” to singular “a supplier” (twice); changed “systems” to singular “a supplier”
611.382(d)(2)	Board	Changed “Subpart B system” to “Subpart B supplier”; changed “systems shall” to singular “a supplier must”
611.382(e)	Board	Changed “systems” to singular “a supplier”; changed “systems shall” to singular “a supplier must”
611.382(f)	Board	Changed “system” to “supplier” (twice); changed “shall” to “must” (three times); changed “Subpart B system” to “Subpart B supplier”
611.382(f)(1)	Board	Changed the cross-reference to “this Subpart I”
611.382(f)(2)	Board	Changed “system” to “supplier”
611.382 Board note	Board	Added a <i>Code of Federal Regulations</i> reference for the source of this provision, including a <i>Federal Register</i> citation to later amendments

611.383(a)(1)	Board	Changed “system” to “supplier”; changed “system’s” to “supplier’s”
611.383(a)(3)	Board	Changed “system” to “supplier” (twice)
611.383(b)(1)(A)	Board	Changed “systems” to singular “a supplier”; changed “system” to “supplier”
611.383(b)(1)(B)	Board, JCAR	Changed “systems” to singular “a supplier” (twice); changed “systems demonstrate” to singular “the supplier demonstrates”; corrected to singular “exceeds”; changed “system” to “supplier” (twice); added a comma before “and such a system is not . . .” to offset an independent clause
611.383(b)(1)(C)	Board	Changed “system” to “supplier”
611.383(b)(2)	Board	Changed “system” to “supplier” (three times); changed “PWS” to “PWS supplier”
611.383(b)(2)	Board	Changed to numeric “12”
611.383(b)(3)	Board	Changed “system” to “supplier”
611.383(c)(1)(A)	Board	Changed “system” to “supplier” (twice)
611.383(c)(1)(B)	Board	Changed “systems switch” to singular “a supplier switches”
611.383(c)(2)(A)	Board	Changed “system” to “supplier” (three times)
611.383(c)(2)(B)	Board, JCAR	Changed “system” to “supplier” (three times); added a comma before “in addition to” to offset a parenthetical (twice)
611.383(d)	Board, JCAR	Changed “systems” to singular “a supplier” (three times); changed to numeric “12” (twice); changed “system” to “supplier” (four times)
611.383 Board note	Board	Added a <i>Code of Federal Regulations</i> reference for the source of this provision, including a <i>Federal Register</i> citation to later amendments
611.384(a)	Board	Changed “systems” to singular “a supplier” (twice); changed “shall” to “must” (twice)
611.384(b)	Board	Changed “systems” to singular “a supplier”; changed “shall” to “must”
611.384(b) table	Board, JCAR	Changed “you are” to “a supplier is”; removed the opening parenthesis from the table entries (24 times); changed “you” to “the supplier”; changed “system” to “supplier” (six times); corrected the spelling of “Section” (five times); changed “average of all samples taken in the month” to “average of each three-sample set for all sample sets taken in the distribution system”
611.384(b) Board note	Board	Deleted the unnecessary citation of the source of this provision
611.384(c)	Board	Changed “systems” to singular “a supplier”; changed “shall” to “must”

611.384(c) table	Board	Changed “you are” to “a supplier is”; changed “you” to “the supplier”; removed the opening parenthesis from the table entries (nine times); changed to numeric “12”; changed “system” to “supplier” (three times)
611.384(c) Board note	Board	Deleted the unnecessary citation of the source of this provision
611.384(d)	Board	Changed “systems” to singular “a supplier”; changed “shall” to “must”
611.384(d) table	Board, JCAR	Changed “you are” to “a supplier is”; changed “you” to “the supplier”; removed the opening parenthesis from the table entries (16 times); changed the reference to “Section 611.385(b)(2) or (b)(3)”; changed “system” to “supplier” (six times); changed the reference to “Section 611.385(a)(2) or (a)(3)”; corrected the cross-reference to “Section 611.385(a)(2)(A) or (a)(2)(C)”; changed “systems” to singular “a supplier” (eight times); changed “systems” to singular “supplier”
611.384(d) Board note	Board	Deleted the unnecessary citation of the source of this provision
611.384 Board note	Board	Added a reference to the <i>Code of Federal Regulations</i> source of this provision, including a citation to later <i>Federal Register</i> amendments
611.385(a)(1)	Board	Changed “Subpart B system” to “Subpart B system supplier”; changed “shall” to “must”; changed “system” to “supplier”
611.385(a)(2)	Board	Changed “Subpart B system” to “Subpart B system supplier”; corrected the cross-reference to “subsections (a)(2)(A) through (a)(2)(F)”; changed “systems” to singular “a supplier”; changed “shall” to “must”
611.385(a)(2)(A)	Board	Changed “system’s” to “supplier’s”
611.385(a)(2)(B)	Board	Changed “system’s” to “supplier’s”
611.385(a)(2)(C)	Board, JCAR	Changed “system’s” to “supplier’s”; changed “systems” to singular “a supplier”; changed “shall” to “must”; changed “a NPDWR” to “an NPDWR”
611.385(a)(2)(D)	Board	Changed “system” to “supplier”
611.385(a)(2)(E)	Board	Changed “system’s” to “supplier’s”
611.385(a)(2)(F)	Board	Changed “system’s” to “supplier’s”
611.385(a)(3)	Board, JCAR	Changed “systems” to singular “a supplier” (twice); changed the reference to “subsections (a)(3)(A) and (a)(3)(B)”; changed “shall” to “must”; added “the alternative . . . as follows” followed by a colon
611.385(a)(3)(A)	Board	Added “the supplier may undertake”

611.385(a)(3)(B)	Board	Added “the supplier may undertake”
611.385(b)(1)	Board	Changed “systems” to singular “a supplier”; changed “shall” to “must”; changed “system’s” to “supplier’s”
611.385(b)(2)	Board	Changed “systems” to singular “a supplier”; changed “shall” to “must”
611.385(b)(2) table	Board	Changed “Subpart B system” to “Subpart B system supplier”; changed “systems” to singular “a supplier” (twice); corrected the cross-reference to “subsections (a)(2)(A) through (a)(2)(F)”; changed “shall” to “must”
611.385(b)(3)	Board, JCAR	Changed “Subpart B system” to “Subpart B system supplier”; changed “system” to “supplier” (twice); changed “shall” to “must” (twice); corrected “alternate” to “alternative”
611.385(b)(4)	Board, JCAR	Corrected “alternate” to “alternative” (twice); changed “applications” to singular “an application”; changed “enhanced coagulation systems” to singular “an enhanced coagulation system supplier”
611.385(b)(4)(A)	Board, JCAR	Corrected “alternate” to lower-case “alternative”; changed “system” to “supplier”
611.385(b)(4)(C)	Board	Changed “system” to “supplier”; changed “shall” to “must”
611.385(b)(4)(D)	Board	Changed “system” to “supplier”
611.385(b)(4)(E)	Board	Changed “system” to “supplier”; changed “shall” to “must”
611.385(c)(1)	Board	Changed “Subpart B system” to “Subpart B system supplier”; changed “shall” to “must” (twice); changed “systems” to singular “a supplier”; changed “system” to “supplier”
611.385(c)(1)(A)	JCAR	Added spaces to “treated water TOC” and “source water TOC”
611.385(c)(1)(D)	Board	Changed to numeric “12” (twice)
611.385(c)(1)(E)	Board	Changed “system” to “supplier”
611.385(c)(2)	Board	Changed “systems” to singular “a supplier”; changed the reference to “subsections (c)(2)(A) through (c)(2)(E)”; changed the reference to “subsections (c)(1)(A) through (c)(1)(E)”
611.385(c)(2)(A)	Board	Changed “system’s” to “supplier’s”; changed “system” to “supplier”
611.385(c)(2)(B)	Board	Changed “system” to “supplier”
611.385(c)(2)(C)	Board	Changed “system” to “supplier”
611.385(c)(2)(D)	Board	Changed “system” to “supplier”
611.385(c)(2)(E)	Board	Changed “system” to “supplier”

611.385(c)(3)	Board	Changed “Subpart B system” to “Subpart B system supplier”; changed the reference to “subsection (a)(2) or (a)(3)”
611.385(d)	Board	Changed “Subpart B system” to “Subpart B system supplier”
611.385 Board note	Board	Added a reference to the <i>Code of Federal Regulations</i> source of this provision, including a citation to later <i>Federal Register</i> amendments
611.600(c) Board note	Board	Deleted the unnecessary citation of the source of this provision
611.600(d) table “antimony”	Board	Added footnote marking “5” previously omitted
611.600(d) table “arsenic”	JCAR	Corrected the spelling of “absorption”
611.600(d) table “asbestos”	Board	Added footnote marking “1” previously omitted
611.600(d) table “barium”	JCAR	Removed the unnecessary space from “absorption-furnace” and “absorption-direct”
611.600(d) table “beryllium”	Board	Added footnote marking “2” previously omitted, removing text from the table; added footnote marking “5” previously omitted
611.600(d) table “cyanide”	Board	Added footnote marking “3” previously omitted, removing text from the table (three times); added footnote marking “4” previously omitted, removing text from the table
611.600(d) table “nickel”	Board	Added footnote marking “2” previously omitted, removing text from the table; added footnote marking “5” previously omitted
611.600(d) table “thallium”	Board	Added footnote marking “5” previously omitted
611.600 Board note	Board	Changed “derived from” to “subsections (a) through (c) of this Section are derived from”; added the date for the most recent edition of the <i>Code of Federal Regulations</i> ; added a comma to offset an independent clause; changed “paragraph (a)(4)(i)” to “subsection (d) is derived from 40 CFR 141.23(a)(4)(i)”; updated the <i>Code of Federal Regulation</i> citation to the latest edition available, including the citation of later <i>Federal Register</i> amendments
611.601(a)(3)	Board	Changed “a SEP” to “an SEP”
611.601(b)(2)	Board	Changed “SWSs and mixed systems” to singular “an SWS or a mixed system supplier”; changed “a SWS” to “an SWS”
611.601(b)(3)	Board	Changed “system” to “supplier”
611.603(a)(1)	Board	Changed “GWSs” to singular “a GWS supplier”

611.603(a)(2)	Board	Changed “SWSs and mixed systems” to singular “an SWS or a mixed system supplier”
611.603(b)(1)	Board	Changed “a SEP” to “an SEP”
611.603(b)(2)	Board	Changed “a SEP” to “an SEP”
611.603(d)	Board	Changed “a SEP” to “an SEP”
611.603(d)(2)	Board	Changed “SWSs and mixed system suppliers” to singular “an SWS or a mixed system supplier”
611.603(d)(4)	Board	Changed “a SEP” to “an SEP”
611.603(e)(3)	Board, JCAR	Added “that” for a restrictive relative clause; changed to possessive “CWS’s”
611.603(f)(1)	Board	Changed “a SEP” to “an SEP”
611.603(f)(2)	Board	Changed “a SEP” to “an SEP” (twice)
611.603(g)	Board, JCAR	Removed the list of contaminants
611.603(h)(1)	Board	Changed “a SEP” to “an SEP”
611.603(h)(2)	Board	Changed “a SEP” to “an SEP”
611.603(h)(2)(B)	Board	Changed “an SWS or mixed system” to “an SWS or a mixed system supplier”
611.603(h)(3)	Board	Changed “all SEPs that allow” to singular “any SEP that allows”
611.606(b)(2)	JCAR	Changed “within two weeks of” to “within two weeks after”
611.606 Board note	Board	Updated the <i>Code of Federal Regulation</i> citation to the latest edition available, including the citation of later <i>Federal Register</i> amendments
611.609 preamble	Board	Corrected the reference to “Section 611.300 or 611.301”; changed “result(s)” to “results”
611.609(b)	JCAR	Removed the duplicate definite article “the”; corrected the spelling of “exceedence”
611.609(d)	Board	Replaced the existing provision relating to public notification (removed by USEPA on May 4, 2000 (65 Fed. Reg. 25982)) with the text of new 40 C.F.R. 141.23(i)(4)
611.609 Board note	Board	Updated the <i>Code of Federal Regulation</i> citation to the latest edition available, including the citation of later <i>Federal Register</i> amendments
611.611(a) Board note	Board	Added text previously omitted from footnote 13 to the table at 40 C.F.R. 141.23(k)(1)
611.611(a)(1) Board note	Board	Added text previously omitted from footnote 14 to 40 C.F.R. 141.23(k)(1)
611.611(a)(1)(D)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(2)(A)(ii)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(2)(D)	JCAR	Corrected the spelling of “absorption”
611.611(a)(2)(D)(ii)	Board	Corrected “18th” to “18th or 19th”

611.611(a)(2)(E)(ii)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(4)(A)(ii)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(4)(C)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(4)(D)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(5)(A)(ii)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(5)(D)(ii)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(6)(D)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(7)(A)(ii)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(7)(D)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(8)(A)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(8)(A)(ii)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(8)(B)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(8)(B)(ii)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(8)(C)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(8)(D)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(9)(A)(iii)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(9)(B)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(9)(C)(i)	JCAR	Corrected the reference to “D1179-93 B”
611.611(a)(9)(C)(ii)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(9)(E)(i)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(10)(A)(iii)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(11)(A)(ii)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(11)(D)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(11)(E)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(12)(A)(iii)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(12)(B)(iii)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(12)(C)(i)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(12)(D)(ii)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(13)(A)(iii)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(13)(B)(iii)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(13)(C)(ii)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(13)(D)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(14)(A)(ii)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(14)(D)(ii)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(16)(A)(ii)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(16)(D)	Board	Add the previously omitted “Palintest Method 1001”
611.611(a)(17)(A)(ii)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(17)(B)(ii)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(17)(C)(ii)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(18)(A)(iii)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(19)(B)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(20)(A)(ii)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(20)(B)(ii)	Board	Corrected “18th” to “18th or 19th”

611.611(a)(20)(C)(ii)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(21)(A)(ii)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(22)(A)(ii)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(22)(B)(ii)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(22)(F)(iii)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(23)(D)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(23)(E)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(23)(F)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(23)(G)(ii)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(24)	Board	Corrected “18th” to “18th or 19th”
611.611(a)(25)(B)	Board	Corrected “18th” to “18th or 19th”
611.611(b)	Board	Added the previously omitted federal footnote text as a Board note
611.611(b)(8)(A)	JCAR	Changed “4°C” to “4° C”
611.611(c)	Board	Changed “shall” to “must”
611.611(c)(1)	Board, JCAR	Added the abbreviated form “PE” in parentheses; corrected the reference to “35 Ill. Adm. Code 186”
611.611 Board note	Board	Added a citation to the <i>Code of Federal Regulation</i> source of this provision, including the citation of later <i>Federal Register</i> amendments
611.646(a) “detection limit” Board note	Board	Updated the version of the <i>Code of Federal Regulations</i> cited to the 2000 edition
611.646(a) “method detection limit” Board note	Board	Updated the version of the <i>Code of Federal Regulations</i> cited to the 2000 edition
611.646(c)(1)	Board	Changed to singular “a GWS”; changed “a SEP” to “an SEP”
611.646(c)(2)	Board	Changed “SWSs and mixed systems” to singular “an SWS or mixed system supplier”; changed “a SEP” to “an SEP”; changed “a SWS” to “an SWS”
611.646(c)(3)	Board	Changed “a SEP” to “an SEP”
611.646(c) Board note	Board	Updated the version of the <i>Code of Federal Regulations</i> cited to the 2000 edition
611.646(e)	JCAR	Changed a comma to a semicolon to separate elements of a series that contains a parenthetical offset by a comma (twice); changed “Phase II” to “Phase II VOCs”
611.646(f)	JCAR	Changed a comma to a semicolon to separate elements of a series that contains a parenthetical offset by a comma (twice); changed “Phase II” to “Phase II VOCs”

611.646(g)	Board, JCAR	Changed a comma to a semicolon to separate elements of a series that contains a parenthetical offset by a comma (twice); changed “Phase II” to “Phase II VOCs”; changed “a SEP” to “an SEP” (twice)
611.646(g) Board note	Board, JCAR	Updated the <i>Code of Federal Regulation</i> citation to the latest edition available; added a comma after “paragraph” to offset the parenthetical
611.646(h)	Board, JCAR	Changed to lower-case “assessment”; changed “a SEP” to “an SEP”
611.646(i)	Board	Changed “a SEP” to “an SEP” (five times)
611.646(i)(1)	Board	Changed “a SEP” to “an SEP”
611.646(i) Board note	Board	Changed “SWSs and mixed systems” to singular “an SWS or mixed system supplier”
611.646(j)	Board	Changed “SEPs” to singular “an SEP”; changed “SWSs and mixed systems” to singular “an SWS or mixed system supplier”
611.646(j)(1)	Board	Corrected “a SWS” to “an SWS” (three times); changed “a SEP” to “an SEP” (twice)
611.646(j)(2)	Board	Changed “a SEP” to “an SEP”; corrected “a SWS” to “an SWS”
611.646(j) Board note	Board	Updated the <i>Code of Federal Regulation</i> citation to the latest edition available (twice); changed “SWSs and mixed systems” to singular “an SWS or mixed system supplier”; changed “GWSs” to singular “a GWS supplier”; changed “mixed systems” to singular “a mixed system supplier” (twice); changed “SWSs” to singular “an SWS supplier”
611.646(k)(2)(A)	Board	Changed “a SEP” to “an SEP”
611.646(k)(2)(B)	Board	Changed “a SEP” to “an SEP”
611.646(k)(2)(B)(ii)	Board	Corrected “a SWS or mixed system” to “an SWS or mixed system supplier”
611.646(k)(2)(C)	Board	Changed “a SEP” to “an SEP”; changed “all SEPs that allow” to singular “any SEP that allows”
611.646(k)(4)	Board	Changed “a SEP” to “an SEP”
611.646(k)(5)(C)	Board	Changed “a SEP” to “an SEP”
611.646(l)(1)	JCAR	Changed a comma to a semicolon to separate elements of a series that contains a parenthetical offset by a comma (twice); changed “Phase II” to “Phase II VOCs”
611.646(l)(2)(A)	Board	Changed “a SEP” to “an SEP”
611.646(l)(2)(B)	Board	Changed “a SEP” to “an SEP”
611.646(l)(2)(C)	Board	Changed “a SEP” to “an SEP”; changed “all SEPs that allow” to singular “any SEP that allows”
611.646(l)(2)(D)	Board	Changed “quarter(s)” to “quarters”
611.646(m)	Board	Changed “a SEP” to “an SEP”

611.646(n)	Board	Removed the unnecessary parenthetical “1999” that denoted the version of the <i>Code of Federal Regulations</i>
611.646(o)(6)	Board	Renumbered and retained the pre-existing subsection (o)(1); added the federal sunset date “until January 22, 2004”; changed “systems that conduct” to singular “a supplier that conducts”
611.646(o)(7)	Board	Renumbered and retained the pre-existing subsection (o)(2); added the federal sunset date “until January 22, 2004” (twice)
611.646(p)	Board	Removed the unnecessary date from the citation to the parallel <i>Code Federal Regulations</i> provision
611.646(q)(1)	JCAR	Changed a comma to a semicolon to separate elements of a series that contains a parenthetical offset by a comma (twice)
611.646(q)(1)(A)	Board, JCAR	Added the abbreviated form “PE” in parentheses; corrected the reference to “35 Ill. Adm. Code 186.170”
611.646(q)(1)(B)	Board, JCAR	Changed “Phase I VOCs, excluding vinyl chloride, Phase II VOCs, except vinyl chloride, or Phase V VOCs” to “regulated organic contaminants in the PE sample”
611.646(q)(1)(C)	Board	Changed “performance evaluation” to the standardized abbreviation “PE”
611.646(q)(1)(D)	Board	Changed “performance evaluation” to the standardized abbreviation “PE”
611.646(q)(2)(A)	Board, JCAR	Changed “performance evaluation” to the standardized abbreviation “PE”; corrected the reference to “35 Ill. Adm. Code 186.170”
611.646(q)(2)(B)	Board, JCAR	Changed “performance evaluation” to the standardized abbreviation “PE”
611.646(q)(2)(D)	JCAR	Changed a comma to a semicolon to separate elements of a series that contains a parenthetical offset by a comma (twice)
611.646(r)(1)	JCAR	Changed “the effective date of this Section” to “December 1, 1992”
611.646(r)(2)	Board	Changed “a SEP” to “an SEP”
611.646(s)	Board	Changed “a SEP” to “an SEP”
611.646 Board note	Board	Updated the <i>Code of Federal Regulation</i> citation to the latest edition available, including the citation of later <i>Federal Register</i> amendments
611.648(a) “detect”	Board	Corrected the placement of quotation marks on the defined terms “detect” and “detection”; placed the period inside the closing quotation mark.
611.648(a) Board note	Board	Placed the period inside the closing quotation mark.

611.648(c)(2)	Board	Changed “SWSs and mixed systems” to singular “an SWS or mixed system supplier”; changed “a SWS” to “an SWS”
611.648(c)(3)	Board	Changed “a SEP” to “an SEP”
611.648(c) Board note	Board	Updated the <i>Code of Federal Regulation</i> citation to the latest edition available
611.648(e)	Board	Changed “a SEP” to “an SEP” (twice)
611.648(f)	Board	Changed “a SEP” to “an SEP”
611.648(g)(2)(A)	Board	Changed “a SEP” to “an SEP”
611.648(g)(2)(B)	Board	Changed “a SEP” to “an SEP”
611.648(g)(2)(B)(ii)	Board	Changed “a SWS or mixed system” to “an SWS or mixed system supplier”
611.648(g)(2)(C)	Board	Corrected “a SEP” to “an SEP”
611.648(g)(2)(D)	Board	Changed “all SEPs that allow” to singular “any SEP that allows”
611.648(g)(4)	Board	Changed “a SEP” to “an SEP”
611.648(h)(2)(A)	Board	Changed “a SEP” to “an SEP”
611.648(h)(2)(B)	Board	Changed “a SEP” to “an SEP”
611.648(h)(2)(C)	Board	Changed “a SEP” to “an SEP”
611.648(h)(2)(D)	Board	Changed “all SEPs that allow” to singular “any SEP that allows”
611.648(k)	Board	Restored federal text previously deleted in error
611.648(k)(2)	JCAR	Corrected the spelling “subsection”
611.648(k)(3)	JCAR	Added underlining to the subsection number
611.648(k)(4)	JCAR	Added underlining to the subsection number
611.648(k)(5)	JCAR	Added underlining to the subsection number
611.648(k)(6)	Board	Renumbered and retained the pre-existing subsection (k)(1); added the federal sunset date “until January 22, 2004”; changed “systems conducting” to singular “a supplier that conducts”
611.648(k)(7)	Board	Renumbered and retained the pre-existing subsection (k)(2); added the federal sunset date “until January 22, 2004” (twice); changed “if monitoring is conducted” to singular “if the supplier conducts monitoring”
611.648(l)	Board	Removed the unnecessary date from the citation to the parallel <i>Code Federal Regulations</i> provision
611.648(m)(2)	JCAR	Corrected to singular “Method 505 or 508”
611.648(n)(2)	Board	Changed “a SEP” to “an SEP”
611.648(o)	Board	Changed “a SEP” to “an SEP”
611.648(s)(1)	JCAR	Changed “following conditions” to “conditions of subsection (2)(2) of this Section”
611.648(s)(2)(A)	JCAR	Changed “performance evaluation” to the standardized abbreviation “PE”

611.648 Board note	Board	Updated the <i>Code of Federal Regulation</i> citation to the latest edition available, including the citation of later <i>Federal Register</i> amendments
611.680(a)(1)	Board, USEPA	Changed to singular “a CWS supplier”; added “that serves . . . treatment process” present in corresponding 40 C.F.R. 141.30(a) but missing from this subsection; corrected “this Section” to “this Subpart”; changed “shall” to “must”
611.680(a)(2)	Board	Corrected “this Section” to “this Subpart”; changed “system” to “supplier” (twice)
611.680(b)	Board	Changed “CWSs” to singular “a CWS supplier”
611.680(b)(1)	Board, JCAR	Changed “CWSs” to singular “a CWS supplier” (twice); changed to singular “a groundwater source”; removed amendment to “supplier” to restore the existing “system”; added the definite article “the” before “number”; changed “within 30 days of” to “within 30 days after”
611.680(b)(3)	Board	Corrected the reference to “this subsection (b)”; changed “shall” to “must”
611.680(b) Board note	Board	Updated the <i>Code of Federal Regulation</i> citation to the latest edition available
611.680(c)	Board	Changed “CWSs” to singular “a CWS supplier”; changed “shall” to “must” (three times); changed “CWS” to “CWS supplier”
611.680(d)	Board, USEPA	Changed to singular “a CWS supplier”; corrected “this Section” to “this Subpart”
611.685 preamble	Board	Added semicolons to separate elements of a series; deleted an unnecessary conjunction “and”
611.685 Board note	Board	Updated the <i>Code of Federal Regulation</i> citation to the latest edition available, including the citation of later <i>Federal Register</i> amendments
611.740(a)	Board, JCAR	Capitalized “this Part”; changed “Subpart B system” to “Subpart B system supplier” (twice); changed “shall” to “must”
611.740(b)	Board	Changed “public water system” to “PWS supplier”
611.740(c)	Board	Changed “systems” to singular “a supplier”; changed “shall” to “must”
611.740 Board note	Board	Added a <i>Code of Federal Regulations</i> reference for the source of this provision, including a <i>Federal Register</i> citation to later amendments
611.741 preamble	Board	Changed “public water supply” to “PWS supplier”; changed “shall” to “must”
611.741(a)	Board	Changed “systems” to singular “a supplier”; changed “shall” to “must”

611.741(a)(1)	JCAR	Changed “which” to “that” for a restrictive relative clause
611.741(a)(2)	JCAR	Changed “which” to “that” for a restrictive relative clause
611.741(b)	Board	Changed “shall” to “must”; changed “system’s” to “supplier’s”; changed “system” to “supplier”
611.741 Board note	Board	Added a <i>Code of Federal Regulations</i> reference for the source of this provision
611.742(a)	Board	Changed “systems” to singular “a supplier”; changed “public water system” to “a PWS supplier”; changed “shall” to “must”
611.742(a)(1)(A)	Board, Agency, USEPA	Changed “those systems” to singular “a supplier”; changed “shall” to “must”; corrected the cross-reference to “former 40 C.F.R. 141.42 (1994), as amended at 59 Fed. Reg. 62456 (Dec. 5, 1994)”
611.742(a)(1)(B)	Board	Changed “those systems that use” to singular “a supplier that uses”; changed “shall” to “must”
611.742(a)(1)(C)	Board	Changed “those systems that use” to singular “a supplier that uses”; changed “shall” to “must”
611.742(a)(2)(A)	Board	Changed “those systems” to singular “a supplier”; changed “shall” to “must”
611.742(a)(2)(B)	Board, JCAR	Changed “those systems” to singular “a supplier”; changed to singular “has”
611.742(a)(2)(C)	Board, JCAR	Changed “those systems” to singular “a supplier”; changed “shall” to “must”; changed to singular “has”
611.742(a)(3)	Board	Changed “system” to “supplier”
611.742(a)(4)	Board	Changed “system” to “supplier”
611.742(a)(5)	Board, JCAR	Changed “system” to “supplier”; changed “shall” to “must”; corrected the cross-reference to “subsections (a)(5)(A) through (a)(5)(E) of this Section”
611.742(a)(5)(A)	Board, JCAR	Changed “those systems” to singular “a supplier”; corrected “date” to “data”; corrected to plural “subsections (a)(1)(A) and (a)(2)(A)”; changed “shall” to “must”; changed to numeric “12”
611.742(a)(5)(B)	Board, JCAR	Changed “those systems that have” to singular “a supplier that has”; corrected the cross-reference to “former 40 C.F.R. 141.42 (1994), as amended at 59 Fed. Reg. 62456 (Dec. 5, 1994)”; changed “shall” to “must” (twice); changed “system” to “supplier”
611.742(a)(5)(C)	Board, JCAR	Changed “those systems that conduct” to singular “a supplier that conducts”; removed the unnecessary comma from after “Section”; changed “shall” to “must”

611.742(a)(5)(D)	Board, JCAR	Changed “those systems that elect” to singular “a supplier that elects”; changed “shall” to “must”; changed “their” to singular “its”
611.742(a)(5)(E)	Board	Changed “system” to “supplier” (twice); changed “shall” to “must”
611.742(a)(6)	Board, JCAR	Changed “system” to “supplier”; corrected the cross-reference to “subsections (a)(1) and (a)(2)”; changed “shall” to “must”
611.742(b)(1)	Board	Changed “system” to “supplier”; changed “shall” to “must” (twice)
611.742(b)(2)	Board	Changed “system” to “supplier” (five times); changed “shall” to “must” (five times); changed to numeric “12”; corrected the cross-reference to “subsections (b)(2)(A) through (b)(2)(D)” (twice)
611.742(b)(2)(B)	Board	Changed “system” to “supplier”
611.742(b)(2)(C)	Board	Changed “time(s)” to “times”
611.742(b)(2)(D)	Board	Changed “concentration(s)” to “concentrations”
611.742(b)(3)	Board	Changed “system” to “supplier” (twice)
611.742(b)(3)(A)	Board	Changed “PWS” to “PWS supplier”; corrected “April 1, 2000” to “March 31, 2000”; changed “shall” to “must” (twice)
611.742(b)(3)(B)	Board	Changed “PWS” to “PWS supplier”; changed “shall” to “must” (twice)
611.742(b)(4)	Board	Changed “system” to “supplier”; changed “shall” to “must”
611.742(b)(4)(A)	Board	Changed “system” to “supplier”
611.742(b)(4)(A)(ii)	Board	Changed “system” to “supplier”; changed “shall” to “must”; added the parenthetical “ Σ (CTcalc/CT99.9)”; removed the parentheses from “CTcalc/CT99.9” (twice); removed parentheses from “ Σ (CTcalc/CT99.9)”
611.742(b)(4)(B)	Board	Changed “system” to “supplier”; changed “shall” to “must”
611.742(b)(4)(C)	Board	Changed “system” to “supplier”; changed “shall” to “must”; corrected the cross-reference to “subsection (b)(4)(A) or (b)(4)(B) of this Section”
611.742(b)(5)	Board	Changed “system” to “supplier”; changed “shall” to “must”
611.742(b)(6)	Board	Changed “system” to “supplier”; changed “shall” to “must”
611.742(c)(1)	Board	Changed “system” to “supplier”; changed “shall” to “must”
611.742(c)(1)(B)	Board	Changed “disinfectant(s)” to “disinfectants”

611.742(c)(2)	Board	Changed “system” to “supplier”; changed “shall” to “must”; corrected the cross-reference to “subsection (c)(2)(A) or (c)(2)(B) of this Section”
611.742(c)(2)(A)	Board	Changed “system” to “supplier” (twice); changed “shall” to “must” (twice)
611.742(c)(3)	Board	Changed “system” to “supplier” (twice); changed “shall” to “must” (twice)
611.742(c)(4)	Board	Changed “system” to “supplier”; changed “shall” to “must”; corrected the cross-reference to “subsections (c)(4)(A) through (c)(4)(C) of this Section”
611.742 Board note	Board	Added a <i>Code of Federal Regulations</i> reference for the source of this provision
611.743 preamble	Board	Changed “PWS” to “PWS supplier”; changed “shall” to “must”; changed “which” to “that”
611.743(a)(1)	Board	Changed “systems” to singular “a supplier”
611.743(a)(2)	Board	Changed “system’s” to “supplier’s”
611.743(a)(3)	Board	Changed “system” to “supplier”
611.743(b)	Board	Changed “PWS” to “PWS supplier”; changed “shall” to “must” (three times)
611.743 Board note	Board	Added a <i>Code of Federal Regulations</i> reference for the source of this provision to the latest edition available, including a <i>Federal Register</i> citation to later amendments
611.745 preamble	Board	Changed “PWS” to “PWS supplier” (twice)
611.745(a)(3)	Board	Changed “systems” to singular “a supplier”
611.745(b)	Board, JCAR	Changed “systems” to singular “a supplier” (three times); changed to singular “it has”; changed “system” to “supplier”; changed “systems that use” to singular “a supplier that uses”
611.745(b)(1)	Board	Changed “system” to “supplier” (three times)
611.745(b)(2)	Board	Changed “system” to “supplier” (three times)
611.745(b)(3)	Board	Changed “system” to “supplier” (twice)
611.745(b)(4)	Board	Changed “system” to “supplier” (twice)
611.745(c)(2)	JCAR	Changed “practical” to “possible”
611.745 Board note	Board	Updated the <i>Code of Federal Regulations</i> reference for the source of this provision by including a <i>Federal Register</i> citation to later amendments
611.884(a)	Board	Put quotation marks on the required language
611.884(b)	JCAR	Corrected the spelling of “above”
611.884(b)(1)	JCAR	Added the closing period to the text of the required statement
611.884(b)(2)	Board	Changed “system” to “supplier”
611.884(c)	Board	Changed “system” to “supplier”; added a comma after “MCL” to offset the parenthetical

611.884(c)(1)	Board	Changed “system” to “supplier”; put quotation marks on the required language
611.884(c)(2)	Board	Changed “system” to “supplier”
611.884(d)	Board	Changed “system” to “supplier”
611.884(d)(1)	Board	Changed “system” to “supplier”; put quotation marks on the required language
611.884(d)(2)	Board	Changed “system” to “supplier”
611.884(e)	Board	Changed “system” to “supplier”
611.884 Board note	Board	Updated the <i>Code of Federal Regulations</i> reference for the source of this provision to the latest edition available, including a <i>Federal Register</i> citation to later amendments
611.Appendix A “total coliform bacteria”	Board	Changed “systems that collect” to singular “a supplier that collects” (three times)
611.Appendix A “mercury”	JCAR	Replaced the brackets with parentheses on “inorganic”
611.Appendix A “2,4,5-TP”	JCAR	Replaced the brackets with parentheses on “silvex”
611.Appendix A “benzo(a)pyrene”	JCAR	Replaced the brackets with parentheses on “PAH”
611.Appendix A “dibromochloropropane”	JCAR	Replaced the brackets with parentheses on “DBCP”
611.Appendix A “dioxin”	JCAR	Replaced the brackets with parentheses on “2,3,7,8-TCDD”
611.Appendix A “oxamyl”	JCAR, Board	Replaced the brackets with parentheses and used lower case for “vydate”
611.Appendix A “PCBs”	JCAR	Replaced the brackets with parentheses on “polychlorinated biphenyls”
611.Appendix A “haloacetic acids”	JCAR	Changed to lower-case “acids”
611.Appendix A “TTHMs”	JCAR, Board	Replaced the brackets with parentheses and used lower case for “total trihalomethanes”; changed to singular “nervous system”
611.Appendix A abbreviations	JCAR	Changed to lower-case “action level”; changed to lower-case “maximum contaminant level”; changed to lower-case “maximum contaminant level goal”; changed to lower-case “maximum residual disinfectant level”; changed to lower-case “maximum residual disinfectant level goal”; changed to lower-case “millirems” to reflect text on file; changed to lower-case “not applicable”; changed to lower-case “nephelometric turbidity units”; changed to lower-case “picocuries” to reflect text on file; changed to lower-case “treatment technique”

611.Appendix A Board note	Board	Updated the <i>Code of Federal Regulations</i> reference for the source of this provision to the latest edition available, including a <i>Federal Register</i> citation to later amendments
611.Appendix G ¶ I.D.9.	JCAR	Removed the unnecessary space from “di(2-ethylhexyl)adipate”
611.Appendix G ¶ I.D.10.	JCAR	Removed the unnecessary space from “di(2-ethylhexyl)phthalate”
611.Appendix G ¶ I.D.22.	JCAR	Removed the unnecessary hyphen from “hexachlorocyclopentadiene”
611.Appendix G ¶ I.G.8.	Board	Changed “sample(s)” to “samples”
611.Appendix G ¶ III.B.	JCAR	Corrected the footnote number to “19”
611.Appendix G ¶ IV.B.	Board	Changed “non-community systems” to the singular standardized abbreviation “a non-CWS supplier”
611.Appendix G ¶ IV.F.	Board	Corrected “a SEP” to “an SEP”
611.Appendix G note 1	Board	Corrected “a SEP” to “an SEP” (twice)
611.Appendix G note 5	Board	Corrected “a SEP” to “an SEP”; changed “system” to “supplier”
611.Appendix G note 6	Board	Corrected “a SEP” to “an SEP”; changed “system” to “supplier”
611.Appendix G note 7	Board	Changed “systems” to singular “a supplier”
611.Appendix G note 11	Board	Changed “all community water systems” to singular “a CWS supplier”
611.Appendix G note 12	Board	Changed “all community water systems” to singular “a CWS supplier”
611.Appendix G Board note	Board	Updated the <i>Code of Federal Regulations</i> reference for the source of this provision by including a <i>Federal Register</i> citation to later amendments
611.Appendix H ¶ 2a.	JCAR	Added a comma after “diarrhea” to offset the final element of a series
611.Appendix H ¶ 3.	Board	Changed “which” to “that” to reflect text on file
611.Appendix H ¶ 10.	JCAR	Added a space to “7 MFL”
611.Appendix H ¶ 33.	JCAR	Removed the unnecessary space from “di(2-ethylhexyl)adipate” (twice)
611.Appendix H ¶ 34.	JCAR	Removed the unnecessary space from “di(2-ethylhexyl)phthalate” (twice)
611.Appendix H ¶ 58.	JCAR	Removed the unnecessary space from “o-dichlorobenzene”
611.Appendix H ¶ 59.	JCAR	Removed the unnecessary space from “p-dichlorobenzene”

611.Appendix H ¶ 79.	JCAR	Replaced listing as “uranium” to reflect text on file, showing appended footnote number “16” changed to note “17”
611.Appendix H Heading “H”	JCAR	Restored appended footnote “17” to reflect text on file, then marked it for amendment to note “18”
611.Appendix H ¶ 80.	JCAR	Renumbered the entry to “80” to reflect text on file; restored appended footnotes “18” and “19” to reflect text on file, then marked them for amendment to notes “19” and “20”
611.Appendix H ¶ 81.	JCAR	Renumbered the entry to “81” to reflect text on file; restored appended footnotes “20” and “21” to reflect text on file, then marked them for amendment to notes “20” and “21”
611.Appendix H ¶ 82.	JCAR	Renumbered the entry to “82” to reflect text on file
611.Appendix H ¶ 83.	JCAR	Renumbered the entry to “83” to reflect text on file
611.Appendix H ¶ 84.	JCAR	Renumbered the entry to “84” to reflect text on file; restored appended footnotes “21” and “22” to reflect text on file, then marked them for amendment to notes “22” and “23”
611.Appendix H ¶ 85.	JCAR	Renumbered the entry to “85” to reflect text on file
611.Appendix H ¶ 85a.	JCAR	Changed “2” to written “two” to reflect text on file; corrected the spelling of “exceedences” to reflect text on file; changed “which” to “that” to reflect text on file
611.Appendix H ¶ 86a.	JCAR	Renumbered the entry to “86a” to reflect text on file; corrected the spelling of “exceedences” to reflect text on file; changed “which” to “that” to reflect text on file; removed the space from “short-term” to reflect text on file
611.Appendix H ¶ 87.	JCAR	Renumbered the entry to “87” to reflect text on file
611.Appendix H ¶ 88.	JCAR	Renumbered the entry to “88” to reflect text on file
611.Appendix H ¶ 89.	JCAR	Renumbered the entry to “89” to reflect text on file
611.Appendix H note 10	JCAR	Corrected the spelling of “exceedences” to reflect text on file
611.Appendix H note 17	JCAR	Restored the note “16” to reflect text on file, then marked it for revision to note “17”
611.Appendix H note 18	JCAR	Reverted the note number to “17” to reflect text on file, then marked it for revision to note “18”; changed to singular “is” to reflect text on file
611.Appendix H note 19	JCAR	Restored the note “18” to reflect text on file, then marked it for revision to note “19”; corrected to single-word “groundwater” to reflect text on file; corrected to “fewer” to reflect text on file
611.Appendix H note 20	JCAR	Restored the note “19” to reflect text on file, then marked it for revision to note “20”

611.Appendix H note 21	JCAR	Restored the note “20” to reflect text on file, then marked it for revision to note “21”
611.Appendix H note 22	JCAR	Restored the note “21” to reflect text on file, then marked it for revision to note “22”
611.Appendix H note 23	JCAR	Restored the note “22” to reflect text on file, then marked it for revision to note “23”
611.Appendix H Board note	Board	Updated the <i>Code of Federal Regulations</i> reference for the source of this provision by including a <i>Federal Register</i> citation to later amendments
611.Table Z “Phase II SOCs”	JCAR	Changed to lower-case “silvex”
611.Table Z “Phase IIB SOCs”	Board	Changed “U.S. EPA” to “USEPA”
611.Table Z “disinfection/disinfectant byproducts”	Board	Added a listing for amendments adopted July 22, 1999 in docket R99-12
611.Table Z “radionuclides”	Board	Added a listing for amendments adopted October 4, 2001 in docket R01-20
611.Table Z “arsenic”	Board	Added a listing for the present amendments

Table 3:
Revisions to the Text of the Proposed Amendments in Final Adoption

Section Revised	Source(s) of Revision(s)	Revision(s)
611 Source note	Board, JCAR	Added source note information for the R01-20 proceeding; changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.101 “Agency” Board note	Board, JCAR	Removed the parenthetical abbreviation “Public Health”; changed “Public Health” to “the Department of Public Health”
611.101 “approved source of bottled water” Board note	JCAR	Changed “Good Manufacturing Practices for human foods” to the actual title of 21 C.F.R. 110, “Current Good Manufacturing Practice in Manufacturing, Packing, or Holding Human Food”
611.101 “inactivation ratio”	JCAR	Restored the symbol “Σ” to reflect text on file with the Office of the Secretary of State
611.101 “initial compliance period”	JCAR	Changed “benzo[a]pyrene” to “benzo(a)pyrene”
611.101 “old MCL”	JCAR	Changed to capitalized “State”
611.101 “performance evaluation sample”	Board	Added the alternative defined term “PE sample” offset by the conjunction “or”
611.101 “person”	JCAR	Changed to capitalized “State”
611.101 “public water system”	JCAR	Changed to the numeric “15”

611.101 “total organic carbon”	JCAR	Replaced the parentheses with quotation marks for the alternative defined term “TOC” and offset the term with the conjunction “or”
611.101 “transient, non-community water system” Board note	JCAR	Added a comma after “transient”
611.101 “treatment”	JCAR, Board	Removed quotation marks and changed the language to read “a point of use treatment device or a point of entry treatment device”; removed the quotation marks from the word “treatment”
611.101 “μg”	JCAR	Restored the symbol “μ” to reflect text on file with the Office of the Secretary of State.
611.101 “wellhead protection program” Board note	JCAR, Board	Removed the strikethrough marks to retain the statement “derived from . . .”; updated the version of the <i>Code of Federal Regulations</i> cited to the 2000 edition
611.101 Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.102(a) “Palintest Method 1001”	JCAR	Added missing quotation mark before “Method”
611.102(b) “Access Analytical Systems”	JCAR	Marked parenthetical “see Environetics, Inc.” deleted in a previous rulemaking and inadvertently restored without underlining
611.102(b) “Advanced Plymer Systems”	JCAR, Board	Changed “(1999)” to “(1998)” to reflect text on file and marked that for amendment to “(2000)”
611.102(b) “American Public Health Association” “Standard Methods,” 17th ed.	JCAR	Added a comma before “1989”
611.102(b) “American Public Health Association” “Standard Methods,” 18th ed.	Board	Changed “Water Works” to “Waterworks”
611.102(b) “American Waterworks Association” “Standard Methods,” 18th ed. “Method 7500 ³ H”	Board, JCAR	Corrected “3H” to “ ³ H”; removed the comma after “ ³ H”

611.102(b) "American Waterworks Association" "Standard Methods," 19th ed. "Method 7120 B"	Board	Placed the method in the appropriate numeric order
611.102(b) "American Waterworks Association" "Standard Methods," 19th ed. "Method 7500-U C"	Board	Placed the method in the appropriate numeric order
611.102(b) "American Waterworks Association" "Standard Methods," 19th ed. "Method 6251 B"	Board	Placed the method in the appropriate numeric order
611.102(b) "Analytical Technology"	JCAR	Removed the parentheses from "ATI Orion" that were deleted in a previous rulemaking and inadvertently restored without underlining
611.102(b) "ASTM" "ASTM Method D511-93"	JCAR	Capitalized "Complexometirc"
611.102(b) "ASTM" "ASTM Method D2459-72"	JCAR	Restored the entry, which was previously inadvertently omitted
611.102(b) "ERDA Health and Safety Laboratory"	JCAR, Board	Changed "(1999)" to "(1998)" to reflect text on file and marked that for amendment to "(1999)"
611.102(b) "NTIS" "Maximum Permissible Body Burdens . . ."	JCAR	Restored the entry, which was previously inadvertently omitted
611.102(b) "NTIS" "Method 100.2"	JCAR	Deleted the comma after "June"; changed to lower-case "referred"
611.102(b) "NTIS" "Methods for Chemical Analysis of Water and Wastes"	JCAR	Deleted the comma after "March"
611.102(b) "NTIS" "Methods for the Determination of Inorganic Substances . . ."	JCAR	Corrected the spelling of "inorganic"

611.102(b) "NTIS" "Methods for the Determination of Metals . . ."	JCAR	Removed the comma after "June"
611.102(b) "NTIS" "Methods for the Determination of Organic Compounds . . ."	JCAR	Removed the comma after "December"
611.102(b) "NTIS" "Methods for the Determination of Organic Compounds . . .—Supplement I"	JCAR	Removed the comma after "July"; corrected "EPA- 600-4-90-020" to "EPA/600-4-90-020"
611.102(b) "NTIS" "Methods for the Determination of Organic Compounds . . .—Supplement II"	JCAR	Removed the comma after "August"
611.102(b) "NTIS" "Procedures for Radiochemical Analysis . . ."	JCAR	Removed the comma after "May"
611.102(b) "NTIS" "Radiochemical Analytical Procedures . . ."	JCAR	Removed the comma after "March"
611.102(b) "NTIS" "Radiochemistry Procedures Manual"	JCAR	Removed the comma after "December"
611.102(b) "NTIS" "Technical Notes on Drinking Water Methods"	JCAR	Removed the comma after "October"
611.102(b) "NTIS" "Tetra- through Octa- Chlorinated Dioxins . . ."	JCAR	Removed the comma after "October"
611.102(b) "Palintest"	JCAR	Inserted a comma after "Erlanger"
611.102(b) "USEPA, EMSL" "Interim Radiochemical Methodology . . ."	JCAR	Removed the comma after "March"

611.102(b) “USEPA, EMSL” “Methods for the Determination . . .”	JCAR	Moved the ending period inside the closing parenthesis
611.102(b) “USEPA, Science and Technology Branch”	JCAR	Added a comma after “Washington”
611.102(b) “USEPA, Science and Technology Branch” “Guidance Manual for Compliance . . .”	JCAR	Removed the comma after “October”
611.102(b) “USGS” “Methods for Analysis . . .”	JCAR	Changed “3d” to “3rd”
611.102(c)	JCAR	Removed the overstruck “(1999)” and removed the underlining from “(2000)” to reflect an amendment from a prior rulemaking that was inadvertently omitted
611.102 Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.130(c)(2)	JCAR	Changed “a MCL” to “an MCL”
611.130(d)	JCAR, Board	Added a comma after “water” to offset the introductory phrase; removed the unnecessary conjunction “or”; changed “point-of-use or point-of-entry devices” to “a point-of-use treatment device, or a point-of-entry treatment device; changed “point-of-entry devices, or point-of-use devices” to “a point-of-entry treatment device, or a point-of-use treatment device
611.130(d)(1)	JCAR, Board	Changed “point-of-entry devices, or point-of-use devices” to “a point-of-entry treatment device, or a point-of-use treatment device; added a comma before “or other means” to offset the final element of a series
611.130(d)(2)	JCAR, Board	Added a comma after “water” to offset the introductory phrase; removed the unnecessary conjunction “and”; changed “point-of-use devices” to “a point-of-use treatment device”; changed “point-of-entry devices” to “a point-of-entry treatment device”
611.130(d)(3)	JCAR, Board	Changed “point-of-entry devices” to “a point-of-entry treatment device”
611.130(e)	JCAR	Removed the unnecessary comma from after “611.311”; added a comma after “(e)(5)” to offset the final element of a series
611.130(e)(1)	JCAR	Corrected the reference to “this subsection (e)”

611.130(f)	JCAR, Board	Changed “point-of-entry devices” to “a point-of-entry treatment device”; changed “point-of-entry device” to “a point-of-entry treatment device”
611.130(g)(1)	JCAR	Changed to Lower-case “radon” and “uranium”
611.130(g)(1)(A)	JCAR	Changed “variances and exemptions” to “relief equivalent to a federal section 1415 variance or a section 1416 exemption” to reflect an amendment adopted in a prior rulemaking but inadvertently omitted
611.130(g)(1)(B)	JCAR	Changed “variances and exemptions” to “relief equivalent to a federal section 1415 variance or a section 1416 exemption” to reflect an amendment adopted in a prior rulemaking but inadvertently omitted
611.130(g)(2)	JCAR	Changed “variances and exemptions” to “relief equivalent to a federal section 1415 variance or a section 1416 exemption” to reflect an amendment adopted in a prior rulemaking but inadvertently omitted; changed “a variance” to “relief” to reflect a prior amendment
611.130(g)(3)	JCAR	Changed “variances and exemptions” to “relief equivalent to a federal section 1415 variance or a section 1416 exemption” to reflect an amendment adopted in a prior rulemaking but inadvertently omitted; changed “a variance” to “relief” to reflect a prior amendment
611.130(g)(5)	JCAR	Changed to lower-case “section” (twice)
611.130(g)(6)	JCAR	Changed to lower-case “section” (twice)
611.130(g)(7)	JCAR	Changed to lower-case “section” (twice)
611.130 Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.232(a)(2)(A)	JCAR	Removed the unnecessary comma from after “611.241(b)(1)”
611.232(a)(3)	JCAR	Added a comma before “unless” to offset a parenthetical
611.232(a)(4)	JCAR	Added a comma before “unless” to offset a parenthetical
611.232 Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.250 preamble	JCAR	Changed to plural “Sections” (twice)
611.250(a)(1)	JCAR, Board	Removed the unnecessary comma that separated “except that if”
611.250(c)(2)	JCAR, Agency, USEPA	Corrected “5 NTU”

611.250 Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.276 heading	Board	Removed the unnecessary “Subpart B” heading
611.276(b)	JCAR, Board	Corrected the spelling of “December”; added “as follows” offset by a comma; changed the ending punctuation from a period to a colon
611.276(d)	JCAR, Board	Added “as follows” offset by a comma; changed the ending punctuation from a period to a colon
611.276(d)(1)	JCAR	Corrected the cross-reference to “subsection (b) of this Section”
611.276 Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.300(b) Board note	JCAR	Changed to lower-case “arsenic”
611.300 Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.301(b) “nitrate”	JCAR	Removed the decimal from “10”
611.301(b) “nitrite”	JCAR	Removed the decimal from “1”
611.301(b) “total nitrate and nitrite”	JCAR	Removed the decimal from “10”
611.301(b) Board note	JCAR	Added the spaces after the colon
611.301(c) “arsenic”	JCAR	Removed the space from after the opening parenthesis
611.301(c) “chromium”	JCAR	Corrected “Cr(III)” to “Cr ^{III} ”
611.301(c) “mercury”	JCAR	Restored the symbols “≤” and “μ” to reflect the text on file (three times)
611.301(c) “selenium”	JCAR	Corrected “Se(IV)” to “Se ^{IV} ”
611.301(d) table	JCAR, Board	Changed to lower-case “alumina” (twice); changed to lower-case “point-of-use” (twice); changed to lower-case “filtration” (twice); changed “501-3,300” to “501-3,300 persons” (five times); changed “3,300-10,000” to “3,300-10,000 persons”; changed to lower-case “microfiltration”; changed to lower-case “exchange”; changed to lower-case “softening”; changed to lower-case “osmosis”
611.301(d) table note 3	JCAR, Board	Changed “fewer than 501” to “fewer than 501 persons”; removed an unnecessary comma before “but” (twice); changed “fewer than 3,301” to “fewer than 3,301 persons”; changed “fewer than 10,001” to “fewer than 10,001 persons”
611.301 Board note	JCAR	Removed the overstruck “(1995)” and removed the underlining from “(2000)” to reflect an amendment from a prior rulemaking that was inadvertently omitted
611.301 Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”

611.310(c)(2)	JCAR	Corrected to singular “serves”
611.310 Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.312 Board note	JCAR	Corrected “C.F.R.” to “CFR”
611.312 Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.313 Board note	JCAR	Corrected “C.F.R.” to “CFR”
611.313 Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.380(a)(1)	JCAR	Changed “a NTNCWS” to “an NTNCWS”
611.380(a)(3)	JCAR	Corrected the spelling of “trichloroacetic”
611.380(b)(1)	JCAR	Changed a period to a colon
611.380 Board note	JCAR	Corrected “C.F.R.” to “CFR”
611.380 Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.381(b)(1) (table)	JCAR	Capitalized “Method” (twice)
611.381(c)(1) (table)	JCAR	Capitalized “Method” (twice)
611.381(d)(1)	JCAR	Corrected the reference to “Section 611.611(a)(21)”
611.381(d)(4)	JCAR, Board	Added a space to “254 nm”; corrected the format of “m ⁻¹ ”
611.381 Board note	JCAR	Corrected “C.F.R.” to “CFR”
611.381 Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.382(b)(1)(A) table	JCAR	Moved footnote marking “2” outside the period
611.382(b)(1)(B) table	JCAR	Corrected “or” to lower case
611.382(b)(1)(C)	JCAR	Corrected to singular “does”
611.382(b)(3)(A)	JCAR	Changed “system” to “supplier”
611.382 Board note	JCAR	Corrected “C.F.R.” to “CFR”
611.382 Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.383(b)(1)(B)	JCAR	Corrected to singular “exceeds”
611.383(b)(2)	Board	Changed to numeric “12”
611.383(c)(2)(A)	JCAR	Added a comma before “in addition to” to offset a parenthetical (twice)
611.383(c)(2)(B)	JCAR	Added a comma before “in addition to” to offset a parenthetical (twice)
611.383(d)	Board	Changed to numeric “12” (twice)
611.383 Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.384(b) table	JCAR, Board, USEPA	Removed the opening parenthesis from the table entries (24 times); corrected the spelling of “Section” (five times); changed “average of all samples taken in the month” to “average of each three-sample set for all sample sets taken in the distribution system”

611.384(c) table	JCAR, Board	Removed the opening parenthesis from the table entries (nine times); changed to numeric “12”
611.384(d) table	JCAR, Board	Removed the opening parenthesis from the table entries (16 times); changed the reference to “Section 611.385(b)(2) or (b)(3)”;
611.384 Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.385(a)(2)	JCAR	Capitalized the indefinite article “a”
611.385(a)(2)(C)	JCAR	Changed “a NPDWR” to “an NPDWR”
611.385(a)(3)	Board	Changed the reference to “subsections (a)(3)(A) and (a)(3)(B)”;
611.385(a)(3)(A)	Board	Added “the supplier may undertake”
611.385(a)(3)(B)	Board	Added “the supplier may undertake”
611.385(b)(3)	JCAR, Board	Corrected “alternate” to “alternative”
611.385(b)(4)	JCAR, Board	Corrected “alternate” to “alternative” (twice)
611.385(b)(4)(A)	JCAR, Board	Corrected “alternate” to lower-case “alternative”
611.385(c)(1)(A)	JCAR	Added spaces to “treated water TOC” and “source water TOC”
611.385(c)(1)(D)	Board	Changed to numeric “12” (twice)
611.385(c)(2)	Board	Changed the reference to “subsections (c)(2)(A) through (c)(2)(E)”;
611.385(c)(3)	Board	Changed the reference to “subsection (a)(2) or (a)(3)”
611.385 Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.600(d) “arsenic”	JCAR	Corrected the spelling of “absorption”
611.600(d) “barium”	JCAR	Removed the unnecessary space from “absorption-furnace” and “absorption-direct”
611.600(d) “cadmium”	JCAR	Removed the unnecessary space from “absorption-furnace”
611.600(d) “chromium”	JCAR	Removed the unnecessary space from “absorption-furnace”
611.600(d) “selenium”	JCAR	Removed the unnecessary space from “absorption-furnace” and “absorption-gaseous”
611.600(d) note 2	JCAR	Corrected the spelling of “achieved”
611.600(d) note 7	JCAR	Corrected the spelling of “depositions”
611.600 Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”

611.602 Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.603(e)(3)	Board, JCAR	Added “that” for a restrictive relative clause; changed to possessive “CWS’s”
611.603(g)	Board, JCAR	Removed the list of contaminants
611.603 Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.606(b)(2)	JCAR	Changed “within two weeks of” to “within two weeks after”
611.606 Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.609 preamble	JCAR	Corrected the reference to “Section 611.300 or 611.301”
611.609(b)	JCAR	Removed the duplicate definite article “the”; corrected the spelling of “exceedence”
611.609 Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.611(a) Board note	JCAR	Corrected “2X” to “2x”
611.611(a)(2) Board note	JCAR	Corrected “100ml” to “100 mL”
611.611(a)(2)(A) Board note	JCAR, USEPA	Changed “January 23, 2006 effective date” to :2005 through 2007 compliance period”; added a comma after “period” to offset the introductory clause
611.611(a)(2)(D)	JCAR	Corrected the spelling of “absorption”
611.611(a)(9)(C)(i)	JCAR	Corrected the reference to “D1179-93 B”
611.611(b) Board note	JCAR, Board	Corrected “time off” to “time of”; changed “4 deg.C” to “4° C”; changed “Methods 200.7 or 200.8 or 200.9 are” to “Method 200.7, 200.8, or 200.9 is”
611.611(b)(8)(A)	JCAR	Changed “4°C” to “4° C”
611.611(c)(1)	Board, JCAR	Added the abbreviated form “PE” in parentheses; corrected the reference to “35 Ill. Adm. Code 186”
611.611 Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.646(a) “detection limit” Board note	Board	Updated the version of the <i>Code of Federal Regulations</i> cited to the 2000 edition
611.646(a) “method detection limit” Board note	Board	Updated the version of the <i>Code of Federal Regulations</i> cited to the 2000 edition
611.646(c)(1)	Board	Changed to singular “a GWS”
611.646(c)(2)	JCAR	Changed to singular “an SWS”
611.646(c) Board note	Board	Updated the version of the <i>Code of Federal Regulations</i> cited to the 2000 edition

611.646(e)	JCAR	Changed a comma to a semicolon to separate elements of a series that contains a parenthetical offset by a comma (twice); changed “Phase II” to “Phase II VOCs”
611.646(f)	JCAR	Changed a comma to a semicolon to separate elements of a series that contains a parenthetical offset by a comma (twice); changed “Phase II” to “Phase II VOCs”
611.646(g)	JCAR	Changed a comma to a semicolon to separate elements of a series that contains a parenthetical offset by a comma (twice); changed “Phase II” to “Phase II VOCs”
611.646(g) Board note	JCAR	Added a comma after “paragraph” to offset the parenthetical
611.646(h)	JCAR	Changed to lower-case “assessment”
611.646(j) Board note	JCAR	Changed “a GWS” to “a GWS supplier”; changed “a mixed system” to “a mixed system supplier”
611.646(l)(1)	JCAR	Changed a comma to a semicolon to separate elements of a series that contains a parenthetical offset by a comma (twice); changed “Phase II” to “Phase II VOCs”
611.646(n)	Board	Removed the unnecessary parenthetical “1999” that denoted the version of the <i>Code of Federal Regulations</i>
611.646(q)(1)	JCAR	Changed a comma to a semicolon to separate elements of a series that contains a parenthetical offset by a comma (twice)
611.646(q)(1)(A)	Board, JCAR	Added the abbreviated form “PE” in parentheses; corrected the reference to “35 Ill. Adm. Code 186.170”
611.646(q)(1)(B)	Board, JCAR	Changed “Phase I VOCs, excluding vinyl chloride, Phase II VOCs, except vinyl chloride, or Phase V VOCs” to “regulated organic contaminants in the PE sample”
611.646(q)(1)(C)	Board	Changed “performance evaluation” to the standardized abbreviation “PE”
611.646(q)(1)(D)	Board	Changed “performance evaluation” to the standardized abbreviation “PE”
611.646(q)(2)(A)	Board, JCAR	Changed “performance evaluation” to the standardized abbreviation “PE”; corrected the reference to “35 Ill. Adm. Code 186.170”
611.646(q)(2)(B)	Board, JCAR	Changed “performance evaluation” to the standardized abbreviation “PE”

611.646(q)(2)(D)	JCAR	Changed a comma to a semicolon to separate elements of a series that contains a parenthetical offset by a comma (twice)
611.646(r)(1)	JCAR	Changed “the effective date of this Section” to “December 1, 1992”
611.646 Board note	JCAR	Removed a duplicate ending period
611.646 Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.648(k)(2)	JCAR	Corrected the spelling “subsection”
611.648(k)(3)	JCAR	Added underlining to the subsection number
611.648(k)(4)	JCAR	Added underlining to the subsection number
611.648(k)(5)	JCAR	Added underlining to the subsection number
611.648(m)(2)	JCAR	Corrected to singular “Method 505 or 508”
611.648(s)(1)	JCAR	Changed “following conditions” to “conditions of subsection (2)(2) of this Section”
611.648(s)(2)(A)	JCAR	Changed “performance evaluation” to the standardized abbreviation “PE”
611.648 Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.680(a)(1)	Board, USEPA	Changed to singular “a CWS supplier”; added “that serves . . . treatment process” present in corresponding 40 C.F.R. 141.30(a) but missing from this subsection; corrected “this Section” to “this Subpart”
611.680(a)(2)	Board	Corrected “this Section” to “this Subpart”
611.680(b)	Board	Changed “CWSs” to singular “a CWS supplier”
611.680(b)(1)	Board, JCAR	Changed “CWSs” to singular “a CWS supplier” (twice); changed to singular “a groundwater source”; removed amendment to “supplier” to restore the existing “system”; added the definite article “the” before “number”; changed “within 30 days of” to “within 30 days after”
611.680(b)(3)	JCAR	Corrected the reference to “this subsection (b)”
611.680(c)	Board	Changed “CWSs” to singular “a CWS supplier”; changed “CWS” to “CWS supplier”
611.680(d)	Board, USEPA	Changed to singular “a CWS supplier”; corrected “this Section” to “this Subpart”
611.680 Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.685 Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.740(a)	JCAR	Capitalized “this Part”
611.740 Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”

611.741(a)(1)	JCAR	Changed “which” to “that” for a restrictive relative clause
611.741(a)(2)	JCAR	Changed “which” to “that” for a restrictive relative clause
611.741 Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.742(a)(1)(A)	USEPA, Agency, Board	Corrected the cross-reference to “former 40 C.F.R. 141.42 (1994), as amended at 59 Fed. Reg. 62456 (Dec. 5, 1994)”
611.742(a)(2)(A)	USEPA, Agency, Board	Corrected the cross-reference to “former 40 C.F.R. 141.42 (1994), as amended at 59 Fed. Reg. 62456 (Dec. 5, 1994)”
611.742(a)(2)(B)	JCAR	Changed to singular “has”
611.742(a)(2)(C)	JCAR	Changed to singular “has”
611.742(a)(5)	JCAR	Corrected the cross-reference to “subsections (a)(5)(A) through (a)(5)(E)”
611.742(a)(5)(A)	Agency, JCAR, Board	Corrected “date” to “data”; corrected to plural “subsections (a)(1)(A) and (a)(2)(A)”; changed to numeric “12”
611.742(a)(5)(B)	USEPA, Agency, Board	Corrected the cross-reference to “former 40 C.F.R. 141.42 (1994), as amended at 59 Fed. Reg. 62456 (Dec. 5, 1994)”
611.742(a)(5)(C)	JCAR	Removed the unnecessary comma from after “Section”
611.742(a)(5)(D)	JCAR	Changed “their” to singular “its”
611.742(a)(6)	JCAR	Corrected the cross-reference to “subsections (a)(1) and (a)(2)”
611.742(b)(2)	Board, JCAR	Changed to numeric “12”; corrected the cross-reference to “subsections (b)(2)(A) through (b)(2)(D)” (twice)
611.742(b)(4)(A)(ii)	Board, JCAR	Added the parenthetical “Σ (CTcalc/CT99.9)”; removed the parentheses from “CTcalc/CT99.9” (twice); removed parentheses from “Σ (CTcalc/CT99.9)”
611.742 Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.743 Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.745(b)	Board	Changed to singular “it has”
611.745(c)(2)	JCAR	Changed “practical” to “possible”
611.745 Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.884(b)	JCAR	Corrected the spelling of “above”

611.884(b)(1)	JCAR	Added the closing period to the text of the required statement
611.884(c)	JCAR	Added a comma after “MCL” to offset the parenthetical
611.884 Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.Appendix A “mercury”	JCAR	Replaced the brackets with parentheses on “inorganic”
611.Appendix A “2,4,5-TP”	JCAR	Replaced the brackets with parentheses on “silvex”
611.Appendix A “benzo(a)pyrene”	JCAR	Replaced the brackets with parentheses on “PAH”
611.Appendix A “dibromochloropropane”	JCAR	Replaced the brackets with parentheses on “DBCP”
611.Appendix A “dioxin”	JCAR	Replaced the brackets with parentheses on “2,3,7,8-TCDD”
611.Appendix A “oxamyl”	JCAR, Board	Replaced the brackets with parentheses and used lower case for “vydate”
611.Appendix A “PCBs”	JCAR	Replaced the brackets with parentheses on “polychlorinated biphenyls”
611.Appendix A “haloacetic acids”	JCAR	Changed to lower-case “acids”
611.Appendix A “TTHMs”	JCAR, Board	Replaced the brackets with parentheses and used lower case for “total trihalomethanes”; changed to singular “nervous system”
611.Appendix A abbreviations	JCAR	Changed to lower-case “action level”; changed to lower-case “maximum contaminant level”; changed to lower-case “maximum contaminant level goal”; changed to lower-case “maximum residual disinfectant level”; changed to lower-case “maximum residual disinfectant level goal”; changed to lower-case “millirems” to reflect text on file; changed to lower-case “not applicable”; changed to lower-case “nephelometric turbidity units”; changed to lower-case “picocuries” to reflect text on file; changed to lower-case “treatment technique”
611.Appendix A Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.Appendix G ¶ I.D.9.	JCAR	Removed the unnecessary space from “di(2-ethylhexyl)adipate”
611.Appendix G ¶ I.D.10.	JCAR	Removed the unnecessary space from “di(2-ethylhexyl)phthalate”
611.Appendix G ¶ I.D.22.	JCAR	Removed the unnecessary hyphen from “hexachlorocyclopentadiene”

611.Appendix G ¶ III.B.	JCAR	Corrected the footnote number to “19”
611.Appendix G Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.Appendix H ¶ 2a.	JCAR	Added a comma after “diarrhea” to offset the final element of a series
611.Appendix H ¶ 3.	Board	Changed “which” to “that” to reflect text on file
611.Appendix H ¶ 10.	JCAR	Added a space to “7 MFL”
611.Appendix H ¶ 33.	JCAR	Removed the unnecessary space from “di(2-ethylhexyl)adipate” (twice)
611.Appendix H ¶ 34.	JCAR	Removed the unnecessary space from “di(2-ethylhexyl)phthalate” (twice)
611.Appendix H ¶ 58.	JCAR	Removed the unnecessary space from “o-dichlorobenzene”
611.Appendix H ¶ 59.	JCAR	Removed the unnecessary space from “p-dichlorobenzene”
611.Appendix H ¶ 79.	JCAR	Replaced listing as “uranium” to reflect text on file, showing appended footnote number “16” changed to note “17”
611.Appendix H Heading “H”	JCAR	Restored appended footnote “17” to reflect text on file, then marked it for amendment to note “18”
611.Appendix H ¶ 80.	JCAR	Renumbered the entry to “80” to reflect text on file; restored appended footnotes “18” and “19” to reflect text on file, then marked them for amendment to notes “19” and “20”
611.Appendix H ¶ 81.	JCAR	Renumbered the entry to “81” to reflect text on file; restored appended footnotes “20” and “21” to reflect text on file, then marked them for amendment to notes “20” and “21”
611.Appendix H ¶ 82.	JCAR	Renumbered the entry to “82” to reflect text on file
611.Appendix H ¶ 83.	JCAR	Renumbered the entry to “83” to reflect text on file
611.Appendix H ¶ 84.	JCAR	Renumbered the entry to “84” to reflect text on file; restored appended footnotes “21” and “22” to reflect text on file, then marked them for amendment to notes “22” and “23”
611.Appendix H ¶ 85.	JCAR	Renumbered the entry to “85” to reflect text on file
611.Appendix H ¶ 85a.	JCAR	Changed “2” to written “two” to reflect text on file; corrected the spelling of “exceedences” to reflect text on file; changed “which” to “that” to reflect text on file
611.Appendix H ¶ 86a.	JCAR	Renumbered the entry to “86a” to reflect text on file; corrected the spelling of “exceedences” to reflect text on file; changed “which” to “that” to reflect text on file; removed the space from “short-term” to reflect text on file

611.Appendix H ¶ 87.	JCAR	Renumbered the entry to “87” to reflect text on file
611.Appendix H ¶ 88.	JCAR	Renumbered the entry to “88” to reflect text on file
611.Appendix H ¶ 89.	JCAR	Renumbered the entry to “89” to reflect text on file
611.Appendix H note 10	JCAR	Corrected the spelling of “exceedences” to reflect text on file
611.Appendix H note 17	JCAR	Restored the note “16” to reflect text on file, then marked it for revision to note “17”
611.Appendix H note 18	JCAR	Reverted the note number to “17” to reflect text on file, then marked it for revision to note “18”; changed to singular “is” to reflect text on file
611.Appendix H note 19	JCAR	Restored the note “18” to reflect text on file, then marked it for revision to note “19”; corrected to single-word “groundwater” to reflect text on file; corrected to “fewer” to reflect text on file
611.Appendix H note 20	JCAR	Restored the note “19” to reflect text on file, then marked it for revision to note “20”
611.Appendix H note 21	JCAR	Restored the note “20” to reflect text on file, then marked it for revision to note “21”
611.Appendix H note 22	JCAR	Restored the note “21” to reflect text on file, then marked it for revision to note “22”
611.Appendix H note 23	JCAR	Restored the note “22” to reflect text on file, then marked it for revision to note “23”
611.Appendix H Board note	JCAR	Removed the underlining from “(2000)” to reflect text on file; restored “65 Fed. Reg. 76751 (December 7, 2000), effective December 8, 2003” to reflect text on file
611.Appendix H Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”
611.Table Z “Phase II SOCs”	JCAR	Changed to lower-case “silvex”
611.Table Z Source note	JCAR	Changed the <i>Illinois Register</i> citation for R02-5 to “26 Ill. Reg. _____”

Table 4
Requested Revisions to the Text of the Proposed Amendments Not Made in Final
Adoption

Section Affected	Source(s) of Request: Requested Revision(s)	Explanation
Amendments generally	JCAR: Why has the Board changed “system” to “supplier” throughout the rules?	In the initial adoption of the SDWA-derived rules on August 9, 1990, R88-26, at 14 Ill. Reg. 16517, effective September 20, 1990, the Board chose to use “supply” because the Act uses “public water supply” (415 ILCS 5/3.28 (2000)) in place of “public water system” in the federal statute (42 U.S.C. 300f(4) (1996)). The Board reads “supplier” as more clearly referring to a person, while “system” can mean the physical facilities used to treat and deliver water.
611.101	JCAR: Why did the Board remove the several notes stating “derived from 40 CFR 141.2”	Over the years, the Board has occasionally added definitions not directly derived from the corresponding federal compilation of definitions, where the addition of those definitions aids in understanding the regulations. While Section 611.101 is “derived” from 40 C.F.R. 141.2, a fact now noted in the end Board note, it does not precisely parallel that provision. Where definitions derive from federal provisions other than 40 C.F.R. 141.2, the Board has indicated that fact with a Board not attached to the particular definition. The Board has not particularly noted the definitions that the Board has added for the sake of clarity, since such addition would add little or nothing to the rules.
611.130(c)(2)	JCAR: Change “a SDWA” to “an SDWA”	The use of “a” is appropriate because the acronym is generally pronounced as “sid-wa.”

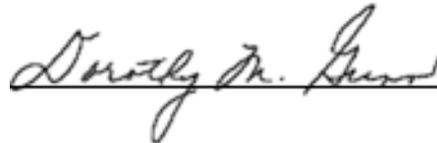
611.381(d)(4)	JCAR: What does “m-1” mean?	The variable “m ⁻¹ ” derives directly from the corresponding federal text. It means reciprocal meters. When the energy absorbed by a unit volume of substance (measured as erg/m ³) is factored against the radiant energy incident on a unit area of that substance (measured as erg/m ²), the result is measured in reciprocal meters (m ⁻¹).
611.382(b)(1)(A) table	JCAR: Shorten the table by using the full width of the page.	1 Ill. Adm. Code 100.390 requires that the Board indent the table text to the appropriate level for the third subsection level (three inches from the left margin).
611.382(b)(1)(B) table	JCAR: Shorten the table by using the full width of the page.	1 Ill. Adm. Code 100.390 requires that the Board indent the table text to the appropriate level for the third subsection level (three inches from the left margin).
611.384(b) note 1	JCAR: Change “exceeded” to “violated”	The language appears as it does in the text of the federal original; changing the language could change the meaning.
611.383 Board note	JCAR: Change the indent level of the note to that of a subsection.	1 Ill. Adm. Code 100.390 requires that the Board note appear at the indent level of the text to which it refers, and this note relates to the entire Section.
611.384(c)(2)(C)	JCAR: Change “exceeded” to “violated”	The language appears as it does in the text of the federal original; changing the language could change the meaning.
611.384(c) note 1	JCAR: Change “exceeded” to “violated”	The language appears as it does in the text of the federal original; changing the language could change the meaning.
611.385(a)(2)(E)	JCAR: What does “L/mg-m” mean?	“L/mg-m” means liters per milligram-meter. This derives directly from the corresponding federal text. In determining the SUVA, absorption (measured as m ⁻¹) is divided by the DOC (measured as mg/L). The resulting units are liters per milligram-meter (L/mg-m).

611.385(a)(2)(F)	JCAR: What does “L/mg-m” mean?	See the preceding entry for Section 611.385(a)(2)(E).
611.385(b)(2)	JCAR: Why is “source-water” hyphenated?	The term “source-water” derives directly from the corresponding federal text. It is a compound for which hyphenation is appropriate.
611.385(c)(2)(C)	JCAR: What does “L/mg-m” mean?	See the preceding entry for Section 611.385(a)(2)(E).
611.385(c)(2)(D)	JCAR: What does “L/mg-m” mean?	See the preceding entry for Section 611.385(a)(2)(E).
611.611(a)(20)(A)(i)	JCAR: Add a comma after “Method.”	The reference to “ASTM Method D511-93 A” already appears in the standardized format for this type of reference.
611.646(k)	JCAR: Change the semicolons to commas to separate the elements of the series.	Semicolons are appropriate because one element contains a parenthetical offset by a comma.
611.646(k)(2)	JCAR: Add “must be required” to “is required”.	“Annual monitoring” acts as a subsection heading, so the addition is not necessary. Further, the addition to a provision that also allows a reduction in monitoring frequency could cause confusion.
611.Appendix A, “haloacetic acids”	JCAR: What is the difference between “HAAs” and HAA5”?	The abbreviations “HAA5” and “HAA” derive directly from corresponding segments of the federal text. “HAA” means “haloacetic acids” generally, and the Board has rendered the abbreviation as “HAAs” because it represents a plural. USEPA also used “HAAs.” “HAA5” also denotes haloacetic acids, but more specifically refers to the five principal haloacetic acids: monochloroacetic acid, dichloroacetic acid, trichloroacetic acid, monobromoacetic acid, and dibromoacetic acid.

611.Appendix G, mandatory health effects language generally	JCAR: What is the difference between “over a long period of time” and “over many years”?	The Board is unaware of the difference between “over a long period of time” and “over many years.” The Board cannot explain why USEPA chose one phrase over the other when developing the mandatory health effects language for the various contaminants, however, the Board is compelled by statute to incorporate the federal language into the Illinois regulations. The Board has incorporated the federal language into the Illinois regulations without substantive review, as required.
611.Appendix G, ¶ I.G.	JCAR: What is the difference between “HAAs” and HAA5”?	See the preceding entry for Section 611.Appendix A, “haloacetic acids”
611.Appendix G, ¶ III	JCAR: Change “a SDWA” to “an SDWA.”	The use of “a” is appropriate because the acronym is generally pronounced as “sid-wa.”
611.Appendix G, note 18	JCAR: Capitalize “sections.”	JCAR has elsewhere requested that the Board use lower-case “sections” when referring to federal provisions. (See, e.g., the JCAR-requested revisions to Sections 611.130(g)(5), (g)(6), and (g)(7).)
611.Appendix G, note 19	JCAR: Change “a SDWA” to “an SDWA.”	The use of “a” is appropriate because the acronym is generally pronounced as “sid-wa.”
611.Appendix G, note 19	JCAR: Add a date to the reference to “40 CFR 142.307”	No date is necessary, since this note does not incorporate any requirements of 40 C.F.R. 142.307 and the actual version of that regulation is immaterial to the function of this footnote of informing the regulated community of another federal requirement.
611.Appendix H, ¶ 24	JCAR: “‘Personal doctor’ as opposed to the ‘company doctor’?”	“Personal doctor” is mandatory federal language derived directly from the corresponding federal requirement. The Board will not change it.
611.Appendix H ¶ 28	JCAR: Add the word “experience” after “or.”	“Or reproductive difficulties” is mandatory federal language derived directly from the corresponding federal requirement, and the federal language is clear without revision. The Board will not change it.

611.Appendix H ¶ 32	JCAR: “Their kidneys could improve?”	“Minor kidney changes” is mandatory federal language derived directly from the corresponding federal requirement, and the federal language is clear without revision. We will not change it.
611.Appendix H ¶ 33	JCAR: Add the word “experience” after “or.”	“Or reproductive difficulties” is mandatory federal language derived directly from the corresponding federal requirement, and the federal language is clear without revision. The Board will not change it.
611.Appendix H, ¶ 87	JCAR: What is the difference between “HAAs” and HAA5”?	See the preceding entry for Section 611.Appendix A, “haloacetic acids”

I, Dorothy M. Gunn, Clerk of the Illinois Pollution Control Board, certify that the Board adopted the above opinion on February 21, 2002, by a vote of 7-0.



Dorothy M. Gunn, Clerk
Illinois Pollution Control Board