

ILLINOIS POLLUTION CONTROL BOARD

August 5, 2010

IN THE MATTER OF:)	
SDWA UPDATE, USEPA AMENDMENTS	)	R10-1
(January 1, 2009 through June 30, 2009)	)	(Identical-in-Substance
	)	Rulemaking - Public Water Supply)
)	
SDWA UPDATE, USEPA AMENDMENTS	)	R10-17
(July 1, 2009 through December 31, 2009)	)	(Identical-in-Substance
	)	Rulemaking - Public Water Supply)
)	
SDWA UPDATE, USEPA AMENDMENTS	)	R11-6
(January 1, 2010 through June 30, 2010)	)	(Identical-in-Substance
	)	Rulemaking - Public Water Supply)
	)	(Consolidated)

Proposed Rule. Proposal for Public Comment.

OPINION OF THE BOARD (by T.E. Johnson):

SUMMARY OF THIS ACTION

The Board today proposes amendments to the Illinois regulations that are “identical in substance” to drinking water regulations adopted by the United States Environmental Protection Agency (USEPA). The amendments involved in this consolidated docket incorporate into the Illinois drinking water regulations amendments in response to five USEPA actions. Those actions span the three identical-in-substance update periods of January 1, 2009 through June 30, 2009, July 1, 2009 through December 31, 2009, and January 1, 2010 through June 30, 2010.

The Board consolidates the amendments of January 1, 2010 through June 30, 2010 (docket R11-6) together with the previously consolidated amendments for the periods January 1, 2009 through June 30, 2009 and July 1, 2009 through December 31, 2009 (consolidated docket R10-1/R10-17). The USEPA amendments of June 8, 2010, the only amendments in docket R11-6 relate to the same subject matter as many of those of the consolidated docket R10-1/R10-17.

By an order dated June 17, 2010, the Board found that an extension of the deadline for final adoption of these amendments was necessary. That order extended the deadline from June 29, 2010 until November 15, 2010.

Sections 7.2 and 17.5 of the Environmental Protection Act (Act) (415 ILCS 5/7.2 and 17.5 (2008)) provide for quick adoption by the Board 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 Safe Drinking Water Act (SDWA) (42 U.S.C. §§ 300g-1(a),

300g-3(c), 300g-6(a), and 300j-4(a) (2006)). The USEPA National Primary Drinking Water Regulations (NPDWRs) 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) (2006)). The federal SDWA regulations are found at 40 C.F.R. 141 through 143. Section 17.5 also provides that Title VII of the Act and Section 5 of the Illinois Administrative Procedure Act (APA) (5 ILCS 100/5-35 and 5-40 (2006)) do not apply to the Board's adoption of identical-in-substance regulations.

The Board will cause the proposed amendments to be published in the *Illinois Register* and will hold the docket open to receive public comments for 45 days after the date of publication. The Board will then adopt and file the final rules, taking into account the public comments received. The Board specifically requests comment on two aspects of the rules. First, the Board requests comments on the way the Board has incorporated the USEPA-approved alternative analytical methods into the Illinois regulations. Second, the Board requests comments on the incorporation of the Aircraft Drinking Water Rule (ADWR) into the Board's SDWA-based rules.

The Board presently expects that rules will be adopted and filed no later than November 15, 2010, pursuant to the extension of the deadline adopted by the Board pursuant to Section 7.2(b) of the Act (415 ILCS 5/7.2(b) (2008)) the Board order of June 17, 2010.

This opinion supports an order that the Board also adopts today.

CONSOLIDATION OF DOCKETS

The Board believes that consolidation of the amendments in dockets R11-6 together with those of previously consolidated docket R10-1/R10-17 will provide the quickest and most efficient way to complete all of the amendments. The only set of amendments in the R11-6 docket, those of June 8, 2010 update the methods for drinking water analysis to include newly approved alternative methods. The USEPA amendments of June 29, 2009, August 3, 2009, November 3, 2009, and December 2, 2009, which are involved in previously consolidated docket R10-1/R10-17, also relate to expedited adoption of approved alternative methods for drinking water analysis. Another substantial set of USEPA amendments is the June 29, 2009 corrections to the Stage 2 Disinfection and Disinfectant By-Products Rule (Stage 2 DDBPR), which includes revisions to provisions relative to water monitoring that accommodate the addition of approved alternative analytical methods in appendix A to subpart C of 40 C.F.R. 141. Thus, consolidation of the three dockets, R10-1, R10-17, and R11-6, essentially combines overlapping subject matters into one proceeding. The consolidation further allows the Board to adopt all of the amendments involved in the quickest, most efficient, and most expedient way possible.

TIMETABLE FOR COMPLETION OF THIS RULEMAKING

Under Section 7.2 of the Act (415 ILCS 5/7.2(b) (2008)), the Board must complete this rulemaking within one year of the date of the earliest set of federal amendments considered in this docket. USEPA adopted the earliest federal amendments that required Board attention on

June 29, 2009. Accordingly, absent extension, the deadline for Board adoption of these amendments would be June 29, 2010. By the June 17, 2010 order, the Board extended this deadline until November 15, 2010.

Completing the amendments before November 15, 2010 will require the Board to progress to final adoption according to the following schedule:

Extended Due date:	November 15, 2010
Date of Board vote to propose amendments:	August 5, 2010
Submission for <i>Illinois Register</i> publication:	August 16, 2010
Probable <i>Illinois Register</i> publication dates:	August 27, 2010
Estimated end of 45-day public comment period:	October 11, 2010
Likely date of Board vote to adopt amendments:	October 21, 2010
Probable filing and effective date:	November 1, 2010
Probable <i>Illinois Register</i> publication date:	November 12, 2010

This final November 15, 2010 deadline to adopt these amendments has a slight amount of extra time added to allow for any minor unforeseen delays in finalizing the amendments.

USEPA ACTIONS INCLUDED IN THESE DOCKETS

The **R10-1 docket** includes amendments that USEPA adopted in the period **January 1, 2009 through June 30, 2009**. On June 29, 2009, USEPA revised the federal drinking water regulations as follows:

June 29, 2009 (74 Fed. Reg. 30953) USEPA adopted a minor correction to the Stage 2 Disinfection and Disinfectant By-Products Rule (Stage 2 DDBPR) and made a minor editorial change in the drinking water analytical methods. USEPA corrected an inadvertent error when it omitted requirements applicable to ground water system suppliers that serve between 500 and 9,999 persons. This error resulted in these entities monitoring for either total trihalomethanes (TTHM) or haloacetic acids (HAA5) at two locations. USEPA had intended that these suppliers monitor both TTHM and HAA5 at two locations. USEPA further added new analytical methods approved by the expedited approval process, removed references to obsolete methods, and specified a new source for the incorporated reference “Technical Notes on Drinking Water Methods.”

The **R10-17 docket** includes amendments that USEPA adopted in the period **July 1, 2009 through December 31, 2009**. USEPA revised the federal drinking water regulations four times during this period, as follows:

August 3, 2009 (74 Fed. Reg. 38348) USEPA used its authority to use a summary procedure to approve alternative testing methods for use in demonstrating compliance with the drinking water standards. USEPA determined that six new methods were equivalent to methods that it had earlier approved by rulemaking. The new methods include a gas chromatography-mass spectrometry (GC-MS) method for volatile organic

compounds in finished water, one laser and two light emitting diode nephelometric methods for turbidity in drinking water, an automated colorimetric method for nitrite in drinking water, and a GC-MS method for cyanide in drinking water.

October 19, 2009 (74 Fed. Reg. 53590) USEPA adopted National Primary Drinking Water Regulations applicable to aircraft public water systems. The new rules apply to aircraft that are public water systems and which board water for public consumption, regulating them as transient non-community water systems (TNCWSs). The rules include provisions for water quality monitoring and management, water-handling equipment maintenance, public notice, and reporting and recordkeeping requirements.

November 10, 2009 (74 Fed. Reg. 57908) USEPA used its authority to employ a summary procedure to approve alternative testing methods for use in demonstrating compliance with the drinking water standards. USEPA determined that 25 new methods were equivalent to methods that it had earlier approved by rulemaking. The new drinking water methods include an on-line method for chlorine; an ion chromatography method for bromate; another ion chromatography method for bromate, dalapon, and haloacetic acids; an ultraviolet light absorbance test for total organic carbon; an updated version of the minimal medium ONPG-MUG method for *E. coli*; 14 updated versions of methods for inorganic contaminants from the American Society for Testing and Materials (ASTM); a light-emitting diode method for turbidity in water; an electrochemical sensor method for total and free chlorine; and a modified Colitag method for total coliform.

December 2, 2009 (74 Fed. Reg. 63069) USEPA made a minor correction in its November 10, 2009 summary approval of drinking water analytical methods.

The **R11-6 docket** includes amendments that USEPA adopted in the period **January 1, 2010 through June 30, 2010**. On June 29, 2009, USEPA revised the federal drinking water regulations as follows:

June 8, 2010 (75 Fed. Reg. 32295) USEPA used its authority to employ a summary procedure to approve alternative testing methods for use in demonstrating compliance with the drinking water standards. USEPA determined that 12 new methods were equivalent to methods that it had earlier approved by rulemaking. The new drinking water methods include a new method for dalapon; methods used for demonstrating compliance with the radionuclide standards: radium-226, radium-228, uranium, radioactive cesium, radioactive iodine, gamma emitters, and tritium; methods for halogenated organic compounds to be used for demonstrating compliance with the disinfection by-products rule; and new methods for demonstrating compliance with the disinfection requirements.

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, the Board has identified no related USEPA actions since June 10, 2010 that further amend the SDWA rules in a way that affects the present amendments.

When the Board observes an action outside the nominal timeframe of a docket that requires expedited consideration, the Board will expedite consideration of those amendments in the pending docket. 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.

If the Board identifies any federal action that fulfills these criteria prior to final action on the present amendments, the Board may include those amendments in the present consolidated docket R10-1/R10-17/R11-6 upon final adoption.

No Other Federal Actions Having a Direct Impact on the Illinois SDWA (Drinking Water) Regulations

In addition to the amendments to the federal wastewater pretreatment and SDWA regulations, amendments to certain other federal regulations occasionally have an effect on the Illinois drinking water rules. Most notably, 35 Ill. Adm. Code 611.102 includes the incorporation of 40 C.F.R. 136.3(a) and Appendix B to 40 C.F.R. 136 by reference. These are federal Clean Water Act (CWA) methods for analysis of contaminants in water. 35 Ill. Adm. Code 310.110 similarly incorporates several segments of the federal regulations by reference, including 40 C.F.R. 3.3, 3.10, 3.2000, 25, tables II and II in appendix D to part 122, 136, 403 (generally), 403.12, appendices D and G to part 403, and 503. 35 Ill. Adm. Code 307.2201 incorporates 40 C.F.R. 122.23(b) and (c) by reference, and 35 Ill. Adm. Code 310.602 incorporates 40 C.F.R. 403.12(b) by reference.

As of June 30, 2010, the ending date of the federal actions involved in this proposal for public comment, USEPA had not amended any of these federal regulations. No Board action will be required at this time to update the versions of these documents incorporated by reference in 35 Ill. Adm. Code 611. Nevertheless, the Board will update all references to the *Code of Federal Regulations* to the most recent version available (July 1, 2009), including *Federal Register* citations to later amendments where necessary.

PUBLIC COMMENTS

The Board will receive public comments on this proposal for 45 days following its publication in the *Illinois Register*. After that time, the Board will immediately consider adoption of the amendments, making any necessary changes made evident through the public comments. The Board expects to file any adopted rules with the Secretary of State immediately after adoption, but no later than November 15, 2010.

DISCUSSION

The following discussion begins with a description of the amendments undertaken in direct response to the federal action involved in this proceeding. The discussion closes with a description of the miscellaneous amendments that are not directly derived from the federal action, but which the Board routinely includes in these update dockets as necessary.

Discussions of the Federal Actions

Corrective Amendments to the Stage 2 Disinfection and Disinfectants By-Products Rule-- Sections 611.381, 611.526, 611.531, 611.611, 611.645, 611.720, 611.802, 611.925, 611.971, and 611.1004

The USEPA action of June 29, 2009 (74 Fed. Reg. 305930) corrected various aspects of the January 4, 2006 (71 Fed. Reg. 388) Stage 2 Disinfection and Disinfectant By-Products Rule (Stage 2 DDPBR), adopted by the Board in SDWA Update, USEPA Amendments (January 1, 2006 through June 30, 2006), R07-2 and SDWA Update, USEPA Amendments (July 1, 2006 through December 31, 2006), R07-11 (July 26, 2007) (consolidated). USEPA included minor, unrelated corrections together with the Stage 2 DDPBR corrections. The corrections included addition of a monitoring requirement applicable to groundwater system suppliers that provide drinking water to 500 to 9,999 persons that USEPA inadvertently omitted in the initial rulemaking. USEPA added references to appendix A to subpart C of 40 C.F.R. 141 in the provisions that list approved analytical methods for various contaminants. Appendix A to subpart C is the listing of approved alternative methods that USEPA has determined, using an expedited procedure, are equivalent to those approved for various contaminants by the full rulemaking procedure.

The Board incorporated the June 29, 2010 USEPA amendments into the Illinois drinking water regulations without substantive deviation from the federal text. The minor, non-substantive changes that the Board has found necessary appear in Table 1 (beginning on page **Error! Bookmark not defined.** of this opinion).

Analytical Methods Updates--Sections 611.102, 611.381, 611.526, 611.531, 611.611, 611.612, 611.645, 611.720, 611.802, 611.925, 611.971, and 611.1004

USEPA used the expedited procedure for approval of approved alternative analytical methods several times during the three time periods involved in this docket. USEPA approved a number of equivalent methods on August 2, 2009 (74 Fed. Reg. 38348), November 10, 2009 (74 Fed. Reg. 57908), and June 8, 2010 (75 Fed. Reg. 32295). USEPA corrected the November 10, 2009 amendments on December 2, 2009 (74 Fed. Reg. 63069). The USEPA amendments designate new methods as acceptable, and they add updated versions of older methods as acceptable. The amendments added methods for use in demonstrating compliance with many requirements of the drinking water rules.

The Board updated the methods in several provisions of the Illinois drinking water regulations to correspond with the several USEPA expedited approvals of approved alternative methods. The Board has undertaken to incorporate the federal changes as near in substance as possible, but has found it necessary to deviate from the federal changes in some regards. The structure of the Illinois rules deviates from that of corresponding 40 C.F.R. 141. Principally, USEPA adds approved alternative methods to table A to subpart C of 40 C.F.R. 141, and the Board includes the methods together with the methods set forth in the appropriate substantive provisions or the rules—together with the methods that USEPA approved by rulemaking. The Board adds notes in appropriate places in the rules to indicate the methods that USEPA has approved using the expedited procedure. Any person interested in the substance of the USEPA actions should review the *Federal Register* notices of August 3, 2009, November 3, 2009, December 2, 2009, and June 8, 2010. The changes that the Board has found necessary to make in the text of the federal expedited approvals (besides conversion of format) are indicated in Table 1 (which begins on page **Error! Bookmark not defined.** of this opinion).

Aircraft Public Water Supply Rule—Subpart AA

On October 19, 2009 (at 75 Fed. Reg. 53590), USEPA adopted the Aircraft Drinking Water Rule (ADWR), which applies to aircraft potable water systems that are public water supplies. The ADWR establishes standards for water quality monitoring and management, water-handling equipment maintenance, public notice, and reporting and recordkeeping. The ADWR applies to aircraft that provide drinking water to 25 or more persons at least 60 days per year. These aircraft water systems (AWSs) fall within the definition of “public water supply” (PWS)¹, as contemplated by section 300f(4) of SDWA (42 U.S.C. 300f(4) (2006); *see* 415 ILCS 5/3.365 (2008)).

To fall within the definition of PWS, the supplier must provide water to 15 or more service connections or “regularly serve” water to 25 or more persons. *See* 42 U.S.C. 300f(4)(A) (2006). USEPA has interpreted “regularly serves” water to mean “daily” provide water “at least 60 days out of the year.” 40 C.F.R. 141.2 (2009) (definition of PWS). The definition of PWS in the Act uses language derived from the USEPA definition. Under the Act, a PWS “serve[s] at least 15 service connections or . . . regularly serve[s] at least 25 persons at least 60 days per year.” 415 ILCS 5/3.365 (2008).

Categorizing the ADWR in the Regulations. SDWA and the Act categorize the universe of PWSs into “community water supplies” (CWSs) and “non-community water

¹ SDWA uses “public water system,” “community water system,” and “non-community system,” but the Act uses “public water supply,” “community water supply,” and “non-community supply.” The definitions of these terms are so similar that there is no difference between the use of “supply” by the State in place of the use of “system” by USEPA in these terms. *Compare* 415 ILCS 5/3.145 and 3.365 (2008) *with* 42 U.S.C. 300f(4)(A), (15), and (16) (2006) (definitions of these terms). The Board follows the language of the Act and uses “supply” throughout this discussion, including the definition of these terms under SDWA.

supplies” (non-CWSs). A CWS is a PWS that serves at least 25 year-round residents or which has at least 15 service connections used by year-round residents. A non-CWS is any PWS that is not a CWS. *See* 415 ILCS 5/3.145 (2008); 42 U.S.C. 300f(15) and (16) (2006). Thus, under SDWA, an aircraft potable water system is a non-CWS.

To ensure that PWSs which pose less risk to public health expend less in effort and resources than do PWSs that pose a greater threat, USEPA’s SDWA regulations further categorize PWSs into categories.² Two categories of non-CWSs based on the size of population served are the following: (1) non-transient, non-CWSs and (2) transient non-CWSs. A non-transient, non-CWS is defined as a non-CWS that regularly serves 25 or more of the same persons over six months of the year, and a transient non-CWS is defined as a non-CWS that does not regularly serve 25 of the same persons over six months of the year. 40 C.F.R. 141.2 (2009) (definitions of non-transient, non-CWS and transient non-CWS).

The ADWR Applies to Transient Non-CWSs. USEPA explained the regulatory status of AWSs as transient non-CSWs as follows:

All [PWSs] are subject to the NPDWRs unless they are excluded from regulatory requirements under [42 U.S.C. 300g (2006)]. [This provision] excludes from regulation any [PWS] that receives all of its water from another regulated public water system, does not sell or treat the water, and is not a “carrier which conveys passengers in interstate commerce.” The classes of interstate carrier conveyances (ICCs) include aircraft, trains, buses, and water vessels. As a result, all ICCs that regularly serve water to an average of at least twenty-five individuals daily, at least 60 days per year are public water systems and are currently subject to existing NPDWRs regardless of whether they treat or sell the water.

[US]EPA’s NPDWRs establish different requirements based on the classification of the [PWS], including whether the [PWS] is a [CWS, non-transient, non-CWS, or transient non-CWS], and whether the system uses surface water or groundwater. [AWSs] are considered [transient non-CWSs] because they are not [CWSs] and they do not regularly serve an average of at least twenty-five of the same persons over six months per year (*see* 40 [C.F.R.] 141.2). Also, aircraft are regulated as surface water systems because they are likely to board finished drinking water from other public water systems that use surface water in whole or in part. 74 Fed. Reg. at 53591.

² One basis for categorization that is not directly relevant to this discussion is the PWS’s source of raw water. The regulations distinguish among groundwater systems, surface water systems, combined water systems, systems that provide ground water under the direct influence of surface water, and consecutive systems (which purchase finished water from another PWS for distribution). *See* 40 C.F.R. 141.2 (2009) (defining these terms).

Adoption of the ADWR Applicable Only to Non-CWSs. The ADWR does not apply to a “community water supply,” as contemplated by the Act, and the Agency is not likely to become directly involved in implementation of the ADWR. *See* 415 ILCS 5/3.145 (2006). Nevertheless, the Board must adopt rules that are identical-in-substance to the federal ADWR.

The Department of Public Health (DPH) regulates non-CWSs in Illinois. 77 Ill. Adm. Code 900.20(a); *see* 35 Ill. Adm. Code 611.102 (Board note appended to the definitions of “Agency,” “Public Health,” and “non-transient, non-community water system”), 611.220 (2009) (Board note), 611.524(a)(1), and 611.Appendix F (Board note) (2009); SDWA Update, USEPA Amendments (January 1, 2000, through June 30, 2000), R01-7, slip op at 14 (Jan. 4, 2001). DPH incorporates the Board’s drinking water regulations as the SDWA-based drinking water standards that it implements. *See* 77 Ill. Adm. Code 900.20(k)(1). By long-standing consensus among USEPA, the Agency, DPH, and the Board, the Board adopts regulations applicable to non-CWSs in order to facilitate overall implementation of USEPA’s SDWA requirements in Illinois. Safe Drinking Water Act Update, Lead and Copper Rules Amendments (January 1 through June 30, 1994), R94-23, Safe Drinking Water Act Update, Phase II, IIB & V Corrections & Analytical Methods Amendments (July 1 through December 31, 1994), R95-3, slip op at 8-9 (consolidated) (June 15, 1995). The Board must incorporate the new ADWR into the Illinois drinking water regulations in furtherance of this consensus, to ensure State compliance with the SDWA requirements.

USEPA’s Description and the Content of the ADWR. USEPA explained that the ADWR arose through inclusive language in the coverage provision of SDWA. That provision includes interstate passenger carriers as regulated PWSs.³ *See* 42 U.S.C § 300g (2006). USEPA stated as follows with regard to the purpose of the ADWR:

The primary purpose of the ADWR is to ensure that safe and reliable drinking water is provided to aircraft passengers and crew. This entails providing air carriers with a feasible and effective way to comply with SDWA and the NPDWRs. Due to the unique characteristics of [AWSs] and demonstrated implementation challenges, [US]EPA developed a new NPDWR specifically tailored to [AWSs], the [ADWR].

The ADWR has been developed to protect against disease-causing microbiological contaminants or pathogens through the required development and implementation of [AWS] operation and maintenance plans that include best management practices, air carrier training requirements, and periodic sampling of the onboard drinking water. 74 Fed. Reg. at 53591.

³ The pertinent segments of the actual language states as follows: “[R]egulations under this part shall apply to each [PWS] in each State; except that such regulations shall not apply to a [PWS] . . . which is not a carrier which conveys passengers in interstate commerce.” 42 U.S.C. § 300g (2006).

USEPA continued to describe the outer bound of the ADWR: (1) the ADWR applies only to aircraft that are PWSs; (2) the ADWR does not apply to aircraft operating outside the United States;⁴ (3) the ADWR applies only to on-board water systems, not to equipment used to board water onto the aircraft, which is regulated by the Food and Drug Administration (FDA)⁵; and (4) the ADWR applies only to finished water, since FDA rules require that aircraft board only finished drinking water for human consumption.⁶ 74 Fed. Reg. at 53591-92; *see* 21 C.F.R. 1240.80 (2009).

USEPA summarized the requirements of the ADWR as designed to allow the air carrier to accommodate the particular aircraft involved and future developments in disinfection methods. USEPA stated as follows:

[US]EPA specifically designed the rule to allow air carriers to be consistent with the manufacturer recommendations for disinfecting and flushing [AWSs], instead of prescribing the frequency, chemical type and concentration to be used. By allowing air carriers to be consistent with the manufacturer recommendations for disinfection and flushing, the rule requirements will automatically evolve with technological improvements in aircraft water tank lining and piping materials, and as new more effective disinfectants are developed. 74 Fed. Reg. at 53595.

USEPA stated that the ADWR includes provisions for sampling and monitoring the microbiological quality of drinking water using presence-absence methodologies approved by USEPA. The ADWR also includes provisions that require disinfection and flushing of on-board drinking water holding tanks. USEPA described an inverse relationship between sampling and monitoring, on the one hand, and system disinfection and flushing, on the other: more frequent disinfection and flushing requires less frequent sampling and monitoring, and *vice versa*. 74 Fed. Reg. at 53596-97; *see* 40 C.F.R. 141.803, as added at 74 Fed. Reg. at 53619 (corresponding with 35 Ill. Adm. Code 611.1103). The required routine monitoring frequency is determined by the manufacturer-recommended disinfection and flushing frequency. 40 C.F.R. 141.803(b), as added at 74 Fed. Reg. at 53619-20 (corresponding with 35 Ill. Adm. Code 611.1103(b)). The frequency ranges from once every year, where the recommended disinfection and flushing frequency is four times per year, to once a month, where the recommended disinfection and flushing frequency is

⁴ USEPA explained that the aircraft must transport passengers in interstate commerce between two or more destinations within the United States. USEPA stated that an aircraft that operates between a single point in the United States and foreign points or a military transport is not a PWS. Such aircraft are excluded from both the ADWR and the existing generally applicable drinking water standards. 74 Fed. Reg. at 53592.

⁵ USEPA stated that it defers to FDA for regulation of the water supply equipment that is not on-board the aircraft. 74 Fed. Reg. at 53591.

⁶ USEPA explained that aircraft boarding water that is not finished water must comply with the generally applicable existing drinking water standards. 74 Fed. Reg. at 53592.

once a year. Table B-1 to 40 C.F.R. 141.803, as added at 74 Fed. Reg. at 53619 (corresponding with 35 Ill. Adm. Code 611.1103(b)(3)).

Under the routine monitoring requirement, the carrier must collect two samples for total coliform for each round of routine monitoring, except that one sample is sufficient where the aircraft has a removable or portable tank that is drained every day of passenger service and the aircraft has only one water tap. Where two samples are required, one must come from a lavatory and the second from the galley, unless the aircraft has only one tap. 40 C.F.R. 141.803(b), as added at 74 Fed. Reg. at 53619-20 (corresponding with 35 Ill. Adm. Code 611.1103(b)).

Further actions are required under routine sampling based on the results of the routine monitoring samples for total coliform. If all samples obtain a negative result, the carrier needs only continue routine monitoring at the required intervals. If any routine sample results in a positive result, the carrier must further analyze the positive routine sample for the presence of *E. coli*. A negative result for *E. coli* after a positive result for total coliform obliges the carrier to engage in repeat monitoring: collection of three samples for total coliforms from the water system (from the tap that previously tested positive for total coliform, and two from separate taps, if possible, including a lavatory and the galley). If all repeat samples are total coliform-negative, the carrier may resume routine monitoring on the usual schedule. If any repeat sample tests total coliform-positive, the carrier must test that sample for the presence of *E. coli*. 40 C.F.R. 141.803(b)(5), (c)(1), and (c)(3)(iii), as added at 74 Fed. Reg. at 53620 (corresponding with 35 Ill. Adm. Code 611.1103(b)(5), (c)(1), and (c)(3)(iii)). The carrier must also engage in specified corrective actions that depend on whether the *E. coli* test is positive or negative.

A positive result for *E. coli* on any routine, repeat, or follow-up sample imposes obligations for corrective action by the carrier. First, the carrier must restrict access to the water system “as expeditiously as possible,” but no later than 24 hours after receiving notification of the positive result from the laboratory. 40 C.F.R. 141.803(c)(1)(i), (c)(3)(ii), (c)(3)(iii)(B), and (c)(3)(iii)(C), as added at 74 Fed. Reg. at 53620 (corresponding with 35 Ill. Adm. Code 611.1103(c)(1)(A), (c)(3)(B), (c)(3)(C)(ii), and (c)(3)(C)(iii)). Second, the carrier must disinfect and flush the water system. 40 C.F.R. 141.803(c)(1)(ii), (c)(3)(i), (c)(3)(iii)(B), and (c)(3)(iii)(C), as added at 74 Fed. Reg. at 53620 (corresponding with 35 Ill. Adm. Code 611.1103(c)(1)(B), (c)(3)(A), (c)(3)(C)(ii), and (c)(3)(C)(iii)). Third, the carrier must conduct repeat sampling. 40 C.F.R. 141.803(c)(3)(iii)(B), as added at 74 Fed. Reg. at 53620 (corresponding with 35 Ill. Adm. Code 611.1103(c)(3)(C)(ii)).

A negative result for *E. coli* after a total coliform-positive result on a repeat sample requires the carrier to restrict access to the water system and disinfect and flush the water system, as described in the preceding paragraph. The requirement for another round of repeat monitoring, however, does not arise. Instead, the carrier must continue with the restriction of access and disinfect and flush procedures until a complete round of follow-up samples tests negative for total coliforms. 40 C.F.R. 141.803(c)(3)(iii)(C), as added at 74 Fed. Reg. at 53620 (corresponding with 35 Ill. Adm. Code 611.1103(c)(3)(C)(iii)).

What constitutes restriction of access to the water depends on whether the carrier can physically disconnect or shut off the water system. If shutoff or disconnection is possible, the carrier must (1) disconnect or shut down the system within 24 hours after receiving the result; and (2) the carrier must disinfect and flush the water system “when able.” Alternatively, if disconnection or shutoff is not possible, the carrier must (1) provide notice to passengers and crew of the contamination and provide an alternative to use of the water in the system within 24 hours after receiving the result; and (2) the carrier must disinfect and flush the water system and collect follow-up samples within 72 hours of receiving the positive result. 40 C.F.R. 141.803(c)(1)(ii) and (d), as added at 74 Fed. Reg. at 53620-21 (corresponding with 35 Ill. Adm. Code 611.1103(c)(1)(B) and (d)).

After completion of the required corrective action, the carrier must conduct follow-up sampling for total coliform. The carrier must obtain a total-coliform-negative result for all follow-up samples before it can provide water for human consumption from the AWS. If any total coliform sample tests positive, the carrier must test that sample for the presence of *E. coli*, the result is the same as an *E. coli*-positive result on a routine sample or a repeat sample: The carrier must undertake the same corrective actions. 40 C.F.R. 141.803(e), as added at 74 Fed. Reg. at 53621 (corresponding with 35 Ill. Adm. Code 611.1103(e)).

Four other events trigger corrective action requirements. First, a failure to perform required routine disinfection and flushing or to collect required routine samples it must disinfect and flush the water system. 40 C.F.R. 141.803(f), as added at 74 Fed. Reg. at 53621 (corresponding with 35 Ill. Adm. Code 611.1103(f)). Second, a failure to collect repeat or follow-up samples triggers the full corrective action requirements that an *E. coli*-positive result would trigger. 40 C.F.R. 141.803(g), as added at 74 Fed. Reg. at 53621 (corresponding with 35 Ill. Adm. Code 611.1103(g)). Third, a failure to board water from a safe watering point also imposes the full corrective action requirements, where the boarding results in an “*E. coli*-positive event.” 40 C.F.R. 141.803(h), as added at 74 Fed. Reg. at 53621 (corresponding with 35 Ill. Adm. Code 611.1103(h)). Finally, a failure to board water from a safe watering point that does not result in an “*E. coli*-positive event,” on the other hand, imposes only the repeat monitoring requirements on the carrier. 40 C.F.R. 141.803(i), as added at 74 Fed. Reg. at 53621 (corresponding with 35 Ill. Adm. Code 611.1103(i)). ADWR describes a failure to board as (1) boarding water from a source that does not comply with FDA requirements; (2) boarding water that does not comply with the NPDWRs applicable to a transient non-CWS; or (3) boarding water that is otherwise deemed unsafe because the procedure did not comply with the carrier’s required Aircraft Water Systems Operations and Maintenance Plan (AWSOMP), which is discussed in the following paragraph. 40 C.F.R. 141.803(h) and (i), as added at 74 Fed. Reg. at 53621 (corresponding with 35 Ill. Adm. Code 611.1103(h) and (i)).

The carrier must also assemble two plans for complying with the ADWR. The first plan is a Coliform Monitoring Plan, which indicates the details for sampling each aircraft: (1) sample collection procedures; (2) sample tap locations; (3) the sampling frequency and required number of samples; (4) the frequency for routine water system disinfection and flushing; and (5) procedures for promptly communicating monitoring sample results to allow prompt completion of any needed corrective actions. The Coliform Monitoring Plan must be included in the second

plan: the AWSOMP. 40 C.F.R. 141.802, as added at 74 Fed. Reg. at 53619 (corresponding with 35 Ill. Adm. Code 611.1102).

The AWSOMP includes the procedures for compliance with the ADWR. The AWSOMP must also include the following elements: (1) a requirement that only a watering point which complies with the FDA requirements may be selected; (2) procedures for disinfection and flushing the air craft water system; (3) procedures for follow-up sampling; (4) training for all aircraft personnel who will be involved in operating and maintaining the AWS that includes procedures for water boarding, sample collection, and disinfection and flushing, and the public health and safety reasons for the procedures; (5) procedures for inspecting self-inspections of the waste system; (6) procedures for boarding water; (7) the Coliform Monitoring Plan described in the preceding paragraph; and (8) an explanation of how the AWS can be physically disconnected or shut-off to prevent the flow of water to the crew and passengers. 40 C.F.R. 141.804, as added at 74 Fed. Reg. at 53621-22 (corresponding with 35 Ill. Adm. Code 611.1104). The carrier must make the AWSOMP a segment of the Federal Aviation Administration (FAA)-approved air carrier operations and maintenance program. 40 C.F.R. 141.804(a), as added at 74 Fed. Reg. at 53621 (corresponding with 35 Ill. Adm. Code 611.1104(a)); *see* 14 C.F.R. 43, 91, and 121 (2010).

The ADWR includes various other information-related provisions. One provision specifies the notification to passengers and crew that is required when various failures to comply occur (when access to water is restricted due to an *E. coli*-positive test, failure to perform required monitoring, etc.). The provision specifies the form, content, timing, and mode and locations of display of the notice. The notice must describe the nature of the failure, when it occurred, a description of any adverse health effects (using prescribed language), what the carrier is doing to correct the failure, when the carrier anticipates resolution of the failure, and various other information. 40 C.F.R. 141.805, as added at 74 Fed. Reg. at 53622-24 (corresponding with 35 Ill. Adm. Code 611.1105). A pair of other provisions specify recordkeeping and reporting requirements. 40 C.F.R. 141.806 and 141.807, as added at 74 Fed. Reg. at 53624-25 (corresponding with 35 Ill. Adm. Code 611.1106 and 611.1107). Another provision relates to self-audits of compliance by the carrier and inspections by USEPA to assure compliance. 40 C.F.R. 141.808, as added at 74 Fed. Reg. at 53625 (corresponding with 35 Ill. Adm. Code 611.1108).

An ADWR provision imposes requirements on any supplemental treatment that the carrier may apply to the water: (1) the supplemental treatment “must be acceptable to” the FAA and FDA; and (2) the water produced must meet the AWSOMP standards. 40 C.F.R. 141.809, as added at 74 Fed. Reg. at 53625 (corresponding with 35 Ill. Adm. Code 611.1109). A final ADWR provision defines the six circumstances that constitute a violation of the ADWR: (1) a failure to comply with the monitoring or AWSOMP requirements; (2) an *E. coli*-positive test; (3) a failure to provide a notification to passengers and crew as required; (4) a failure to comply with the recordkeeping and reporting requirements; (5) a failure to conduct self-inspection or correct deficiencies found upon inspection; and (6) a failure to comply with the requirement for a Coliform Monitoring Plan. 40 C.F.R. 141.810, as added at 74 Fed. Reg. at 53625 (corresponding with 35 Ill. Adm. Code 611.1110).

The Board incorporated the October 19, 2009 ADWR into the Illinois regulations without substantive deviation. The Board, however, has made a number of stylistic changes and minor corrections in the text. Table 1, which appears beginning on page **Error! Bookmark not defined.** of this opinion, lists and briefly describes the deviations from the literal text of the federal rules that the Board has found necessary.

Only minor issues warrant specific discussion. One issue relates to two definitions that USEPA included in the ADWR. The other relates to State administration of the ADWR. The Board specifically requests comment on these issues.

First, the Board has omitted definitions of “Agency” and “finished water” from 35 Ill. Adm. Code 611.1101 to correspond with the new definitions of “Administrator” and “finished water” that appear in 40 C.F.R. 141.801. Nearly identical definitions of “Agency” and “finished water” already appear in existing 35 Ill. Adm. Code 611.102 (corresponding with 40 C.F.R. 141.2).

Second, the Board routinely changes references to “EPA” and “Administrator” to “the Agency” in identical-in-substance proceedings. This change is one of the routine language shifts in these proceedings. In the context of this particular proceeding, however, the character of the change differs in the context of the ADWR.

As explained in the foregoing discussion at page 9 of this opinion, DPH, and not the Agency, is expected to take the lead in implementation of the ADWR, since DPH regulates non-CWS suppliers. For that reason, the existing definition of “Agency” in Section 611.101 has included the concept that “Agency” means DPH with regard to non-CWS suppliers. The Board has revised the Board note appended to that existing definition of “Agency” to more pointedly assert this fact. Further, the existing applicability statement for Part 611 explains the division of responsibility between the Agency and DPH. 35 Ill. Adm. Code 611.100(c)(3).

The Board has made an ancillary change to the Board note appended to the existing Section 611.101 definition of “Public Health.” The existing Board note appended to the definition of “Public Health” explains the roles of the Agency in regulating CWS suppliers and DPH in regulating non-CWS suppliers. The note language is nearly identical to that of the explanation of these roles in the note appended to the existing definition of “Agency.” The Board has deleted the explanation from the note appended to the definition of “Public Health” and replaced it with the following statement: “See the definition of ‘Agency’ in this Section.”

Request for Comments on the Proposed Rule. The Board requests public comment on the incorporation of the USEPA October 19, 2009 adoption of the ADWR. In particular, the Board generally requests comments from DPH, the Agency, and air carriers on incorporation of the ADWR into the Illinois drinking water regulations. Further, the Board specifically requests comments relative to the use of “Agency” where “Administrator” or “EPA” appears in the corresponding federal provisions, the omission of the definitions of “Agency” and “finished

water” from the ADWR, and the changes in the explanatory notes appended to the existing definitions of “Agency” and “Public Health” in Section 611.101.

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 found in the text in the course of 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 discussed above, the most recent versions of the *Code of Federal Regulations* available to the Board is the July 1, 2009 edition for USEPA regulations (Title 40). Thus, the Board has updated all citations to Title 40 to the 2009 edition of the *Code of Federal Regulations*, adding references to later amendments using their appropriate *Federal Register* citation, where necessary. The present amendments further include citations to FAA (Title 14) and FDA (Title 21) regulations. The latest versions of these regulations is currently available in the 2010 edition. The Board has used the 2010 editions in the limited citations to those regulations.

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 used, 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, RCRA Subtitle D (municipal solid waste landfill), Resource Conservation and Recovery Act (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.” The Board will continue this conversion in future rulemakings as additional sections become open to amendment. The Board 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. Table 1 (beginning on page of this opinion) sets forth the miscellaneous deviations from the federal text, and Table 2 (beginning on page of this opinion) itemizes the corrections to the pre-amended base text of the rules in detail. Table 1 begins on page **Error! Bookmark not defined.** of this opinion, and Table 2 begins on page 71. No discussion of most of the deviations and revisions appears elsewhere in this opinion further than these summary listings of changes in the text.

Discussion of Corrective Amendments

The Board has traditionally used the occasion of these identical-in-substance updates to correct segments of the base text of the Illinois regulations. These corrections are non-substantive in effect. The Board is including a number of non-substantive corrections in this docket.

When a necessary minor correction comes to the attention of the Board, Board staff makes a note of the correction, and set it aside until the next opportunity to make the correction. The next opportunity generally presents itself when the section involved is next opened for amendment as a result of amendments to the corresponding federal text. The Board has cataloged a small number of changes since the last SDWA update docket, SDWA Update, USEPA Amendments (January 1, 2007 through June 30, 2007 and June 3, 2008), R08-7 and SDWA Update, USEPA Amendments (July 1, 2007 through December 31, 2007), R08-13 (consolidated) (Dec. 18, 2008).

The Board will not discuss the bulk of the particular corrective amendments in this segment of this discussion. The corrections are itemized in the Table 2, which begins on page 71 of this opinion. The Board requests that the Agency, JCAR, and the regulated community review the table and the text of the corrections. The Board requests comment on the corrections. The Board also asks for the assistance of the Agency, JCAR, and the regulated community in the process of spotting and correcting errors or omissions in the rules. The Board requests that interested persons submit suggestions for the correction of any errors of which they become aware. The Board will either include the corrections in this docket or catalog them for future

revisions if the suggestions relate to segments of the text that are not already involved in this proceeding.

Tabulation of Miscellaneous Housekeeping Amendments

The tables below list numerous corrections and amendments that are not based on current federal amendments. The Table 1 includes deviations made in this Proposal for Public Comment from the verbatim text of the federal amendments. The Table 2 (which begins on page 71 below) 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. Some of the entries in these tables are discussed further in appropriate segments of the general discussion beginning at page 6 of this opinion.

**Table 1:
Deviations from the Text of the Federal Amendments**

Illinois Section	40 C.F.R. Section	Revision(s)
611 table of contents, 611.1100 heading	141.800 heading	Changed “compliance date” to capitalized “Compliance Date”
611 table of contents, 611.1102 heading	141.802 heading	Changed “sampling plan” to capitalized “Sampling Plan”
611 table of contents, 611.1103 heading	141.803 heading	Changed “sampling” to capitalized “Sampling”
611 table of contents, 611.1104 heading	141.804 heading	Changed “water system operations and maintenance plan” to capitalized “Water System Operations and Maintenance Plan”
611 table of contents, 611.1105 heading	141.805 heading	Changed “passengers and crew” to capitalized “Passengers and Crew”
611 table of contents, 611.1106 heading	141.806 heading	Changed “requirements” to capitalized “Requirements”
611 table of contents, 611.1107 heading	141.807 heading	Changed “requirements” to capitalized “Requirements”
611 table of contents, 611.1108 heading	141.808 heading	Changed “inspections” to capitalized “Inspections”
611 table of contents, 611.1109 heading	141.809 heading	Changed “treatment” to capitalized “treatment”
611.102(a) “USEPA Organic Methods”	141.24(e)(1) table/ [141.24(e)(1)]	Removed the citation to Method 549.1 because, although USEPA has retained the incorporation of the method by reference, USEPA has not cited the method for use, in favor of newer version, Method 549.2

611.102(b) "AWWA," "Standard Methods, 21st ed.," "Method 9223 B-97"	141.402(c)(2)/Appendix A to Subpart C of 141 & note 3	Cited to Standard Methods, 21st ed., rather than to Standard Methods Online, where the method appears in the printed volume
611.102(b) "NTIS," "USEPA Organic Methods"	141.24(e)(1) table/ [141.24(e)(1)]	Removed the citation to Method 549.1 because, although USEPA has retained the incorporation of the method by reference, USEPA has not cited the method for use, in favor of newer version, Method 549.2
611.102(b) "Systea Scientific LLC," "Systea Easy (1-Reagent)"	141.23(k)(1)/Appendix A to Subpart C of 141, note 8	Changed the period to a comma after the short-form method name "Systea Easy (1-Reagent)"; added the parenthetical "referenced in Section 611.611" offset by a comma; added the statement of alternative availability "See also NEMI."
611.102(b) "SWAN Analytische Instrumente AG," "AMI Turbiwell Method"	141.74(a)(1)/Appendix A to Subpart C of 141 & note 15	Added the parenthetical "referenced in Section 611.526" offset by a comma; added the statement of alternative availability
611.102(b) "Thermo Scientific"	141.74(a)(1)/Appendix A to Subpart C of 141, note 12	Added parentheses to the Internet address "www.thermo.com"
611.102(b) "Thermo Scientific," "Orion Method AQ4500"	141.74(a)(1)/Appendix A to Subpart C of 141, note 12	Changed "May 8, 2009" to "may 2009"; added "referenced in Section 611.531"; added the statement of alternative availability "See NEMI."
611.102(a) "USDOE, EML," "EML Procedures Manual (28th ed.)"	141.25(b)(2)	Added the 28th edition as an alternative to the 27th edition in place of the 1973 edition, since the 1973 version is difficult to locate; the HASL-300 reference is used for unspecified and unregulated radionuclides, rather than for NPDWR compliance; and USEPA has endorsed use of the 27th and 28th editions for regulated radionuclides in 40 C.F.R. 141.25(a) table and note 8
611.102(b) "USEPA, EMSL," "USEPA Organic Methods"	141.24(e)(1) table/ [141.24(e)(1)]	Removed the citation to Method 549.1 because, although USEPA has retained the incorporation of the method by reference, USEPA has not cited the method for use, in favor of newer version, Method 549.2

611.102(b) "USEPA, NSCEP"	141.74(a)	Added "NSCEP." as the listing heading; "added "United States . . . Agency" before "National Service . . . Publications"; removed the parenthetical abbreviation "(NSCEP)"; added "accessible on-line . . . from" before "http://www.epa.gov/nscep/" and placed the text in parentheses
611.102(b) "USEPA, NSCEP," "Dioxin and Furan Method 1613"	141.24(e)(1) table/ [141.24(e)(1)]	Cited the method as available from NSCEP although USEPA does not cite this source for the method
611.102(b) "USEPA, NSCEP," "USEPA Asbestos Method 100.1"	141.23(k)(1) table & [note 9]	Cited the method as available from NSCEP although USEPA does not cite this source for the method
611.102(b) "USEPA, NSCEP," "USEPA Asbestos Method 100.2"	141.23(k)(1) table & [note 10]	Cited the method as available from NSCEP although USEPA does not cite this source for the method
611.102(b) "USEPA, NSCEP," "USEPA Environmental Inorganic Methods"	141.74(a)(1) table & [note 9]	Cited the method as available from NSCEP although USEPA does not cite this source for the method
611.102(b) "USEPA, NSCEP," "USEPA Environmental Metals Methods"	141.23(k)(1) table & [note 2] 143.4(b) table/ [App. C, Subpart C table & note 2]	Cited the method as available from NSCEP although USEPA does not cite this source for the method
611.102(b) "USEPA, NSCEP," "USEPA Inorganic Methods"	141.23(k)(1) table & [note 1]	Cited the method as available from NSCEP although USEPA does not cite this source for the method
611.102(b) "USEPA, NSCEP," "USEPA OGWDW Methods, Method 302.0"	(141.131(b)(1) table)/ App. C, Subpart C table & [note 18]	Cited the method as available from NSCEP although USEPA does not cite this source for the method
611.102(b) "USEPA, NSCEP," "USEPA OGWDW Methods, Method 317.0, rev. 2.0"	141.131(b)(1) table, 141.131(d)(2)/ [141.131(a)(2)]	Cited the method as available from NSCEP although USEPA does not cite this source for the method
611.102(b) "USEPA, NSCEP," "USEPA OGWDW Methods, Method 326.0, rev. 1.0"	141.131(b)(1) table, 141.131(d)(2)/ [141.131(a)(2)]	Cited the method as available from NSCEP although USEPA does not cite this source for the method

611.102(b) "USEPA, NSCEP," "USEPA OGWDW Methods, Method 327.0, rev. 1.1"	141.131(b)(1) table, 141.131(c)(1) table/ [141.131(a)(2)]	Cited the method as available from NSCEP although USEPA does not cite this source for the method
611.102(b) "USEPA, NSCEP," "USEPA OGWDW Methods, Method 334.0"	(141.131(b)(1) table)// App. C, Subpart C table & [note 16] (141.74(a)(2))/ App. C, Subpart C table & [note 16]	Cited the method as available from NSCEP although USEPA does not cite this source for the method
611.102(b) "USEPA, NSCEP," "USEPA OGWDW Methods, Method 531.2, rev. 1.0"	141.24(e)(1) table/ [141.24(e)(1)]	Cited the method as available from NSCEP although USEPA does not cite this source for the method
611.102(b) "USEPA, NSCEP," "USEPA OGWDW Methods, Method 552.3, rev. 1.0"	141.131(b)(1) table/ [141.131(a)(2)] 141.24(e)(1) table/ [141.24(e)(1)]	Cited the method as available from NSCEP although USEPA does not cite this source for the method
611.102(b) "USEPA, NSCEP," "USEPA OGWDW Methods, Method 557"	(141.24(e)(1) table)/ App. C, Subpart C table & [note 14] (141.131(b)(1) table)/ App. C, Subpart C table & [note 14]	Cited the method as available from NSCEP although USEPA does not cite this source for the method
611.102(b) "USEPA, NSCEP," "USEPA OGWDW Methods, Method 1622 (01)"	141.707(c)(1)(iv)	Cited the method as available from NSCEP although USEPA does not cite this source for the method
611.102(b) "USEPA, NSCEP," "USEPA Organic Methods"	141.24(e)(1) table/ [141.24(e)(1)]	Removed the citation to Method 549.1 because, although USEPA has retained the incorporation of the method by reference, USEPA has not cited the method for use, in favor of newer version, Method 549.2
611.102(b) "USEPA, NSCEP," "Technical Notes on Drinking Water Methods"	141.74(a)	Added quotation marks to the document title; added the parenthetical "(referred to as 'USEPA Technical Notes')"; added the parenthetical "referenced in . . . 611.685" offset by a comma

611.102(b) “USEPA, NSCEP,” “Technical Notes on Drinking Water Methods”	141.74(a)	Added the short-form reference title “USEPA Technical Notes” before the full title, “Technical Notes on Drinking Water Methods”; added “referenced in Sections 611.531, 611.611, and 611.645” as a parenthetical offset by a comma; added the statement of alternative availability from NTIS; added the explanation of USEPA’s comments on this document that has appeared attached to the listing of this document under “NTIS”
611.102(b) “USEPA, NSCEP,” “Technical Notes on Drinking Water Methods” Board note	141.74(a)	Added the explanation of USEPA’s comments on this document that has appeared attached to the listing of this document under “NTIS”
611.102(b) “USEPA, NSCEP” Board note	141.74(a)	Added explanation of the alternative availability of many document from NTIS
611.102(b) “USEPA, OGWDW,” “USEPA OGWDW Methods, Method 302.0”	(141.131(b)(1) table)/ App. C, Subpart C table & [note 18]	Changed the short-form name for the method “EPA Method 302.1” to “USEPA OGWDW Methods, Method 302.0”; added “referenced in Section 611.381” as a parenthetical offset by a comma; added the statement of alternative availability “See also USEPA, NSCEP.”; moved the internet address to the source heading “USEPA, OGWDW”
611.102(b) “USEPA, OGWDW,” “USEPA OGWDW Methods, Method 334.0”	(141.74(a))/ App. C, Subpart C table & [note 16] (141.131(b)(1) table)/ App. C, Subpart C table & [note 16]	Changed the short-form name for the method “EPA Method 302.1” to “USEPA OGWDW Methods, Method 302.0”; added “referenced in Section 611.381” as a parenthetical offset by a comma; added the statement of alternative availability “See also USEPA, NSCEP.”; moved the internet address to the source heading “USEPA, OGWDW”
611.102(b) “USEPA, OGWDW,” “USEPA OGWDW Methods, Method 524.3”	(141.74(a))/ App. C, Subpart C table & [note 16] (141.131(b)(1) table)/ App. C, Subpart C table & [note 16]	Changed the short-form name for the method “EPA Method 524.3, Version 1.0” to “USEPA OGWDW Methods, Method 524.3, rev. 1.0”; added “referenced in Section 611.381” as a parenthetical offset by a comma; added the statement of alternative availability “See also USEPA, NSCEP.”; moved the internet address to the source heading “USEPA, OGWDW”

611.102(b) "USEPA, OGWDW," "USEPA OGWDW Methods, Method 557"	(141.74(a))/ App. C, Subpart C table & [note 16] (141.131(b)(1) table)/ App. C, Subpart C table & [note 16]	Changed the short-form name for the method "EPA Method 557" to "USEPA OGWDW Methods, Method 557"; added "referenced in Sections 611.381 and 611.645" as a parenthetical offset by a comma; added the statement of alternative availability "See also USEPA, NSCEP."; moved the internet address to the source heading "USEPA, OGWDW"
611.102(b) "USEPA, ORD," "USEPA NERL Method 415.3, rev. 1.2"	(141.23(l) table)/ App. C, Subpart C table & [note 19]	Changed the short-form name for the method "EPA Method 415.3, Revision 1.2" to "USEPA NERL Method 415.3, rev. 1.2"; added "referenced in Section 611.381" as a parenthetical offset by a comma; moved the internet address to the source heading "USEPA, ORD"
611.102(b) "USEPA, ORD," "USEPA NERL Method 549.2, rev. 1.0"	141.24(e)(1) table/ [141.24(e)(1)]	Added the previously omitted updated version of the method
611.102(c) "21 CFR 333"	141.803(d)(3)	Added incorporation by reference for the cited Food and Drug and Administration regulation
611.381(b)(1)	141.131(b)(1) preamble	Omitted "or one of the alternative methods listed in Appendix A to subpart C of this part" as unnecessary because the Illinois regulations include the alternative methods together with the USEPA-approved methods
611.381(b)(1)(A)(iv)	(141.131(b)(1) table)/ App. C, Subpart C table & [note 16]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; added the method description "by purge and trap . . . spectrometry"; changed "524.3" and the full method title in the note to the Board's short-form method title "USEPA OGWDW Methods, Method 524.3 (rev. 1.0)"
611.381(b)(1)(A) Board note	(141.131(b)(1) table)/ App. C, Subpart C table & [note 16]	Added explanation of USEPA's addition of USEPA OGWDW Methods, Method 524.3 (rev. 1.0) as an approved alternative method, adding the <i>Federal Register</i> citation to the approval

611.381(b)(1)(B)(iv)	(141.131(b)(1) table)/ App. C, Subpart C table & [note 14]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; added the method description “by ion chromatography . . . mass spectrometry”; changed “557” and the full method title in the note to the Board’s short-form method title “USEPA OGWDW Methods, Method 557”
611.381(b)(1)(B) Board note	(141.131(b)(1) table)/ App. C, Subpart C table & [note 16]	Added explanation of USEPA’s addition of USEPA OGWDW Methods, Method 557 as an approved alternative method, adding the <i>Federal Register</i> citation to the approval
611.381(b)(1)(C)(iv)	(141.131(b)(1) table)/ App. C, Subpart C table & [note 18]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; added the method description “by two-dimensional ion chromatography”; changed “302.0” and the full method title in the note to the Board’s short-form method title “USEPA OGWDW Methods, Method 302.0”
611.381(b)(1)(C)(v)	(141.131(b)(1) table)/ App. C, Subpart C table & [note 16]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; added the method description “by ion chromatography . . . mass spectrometry”; changed “557” and the full method title in the note to the Board’s short-form method title “USEPA OGWDW Methods, Method 557”
611.381(b)(1)(C)(vi)	(141.131(b)(1) table)/ App. C, Subpart C table & [note 4]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; added the method description “by chemically suppressed chromatography”; changed “D6581-08 A” and the method source in the note to the Board’s short-form method title “ASTM Method D6581-08 A”

611.381(b)(1)(C)(vii)	(141.131(b)(1) table)/ App. C, Subpart C table & [note 4]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; added the method description “by electronically suppressed chromatography”; changed “D6581-08 B” and the method source in the note to the Board’s short-form method title “ASTM Method D6581-08 B”
611.381(b)(1)(C) Board note	(141.131(b)(1) table)/ App. C, Subpart C table & [note 4]	Added explanation of USEPA’s addition of ASTM Methods D6581-08 A and B as approved alternative methods, adding the <i>Federal Register</i> citation to the approval
611.381(b)(1)(D)(iv)	(141.131(b)(1) table)/ App. C, Subpart C table & [note 4]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; added the method description “by chemically suppressed chromatography”; changed “D6581-08 A” and the method source in the note to the Board’s short-form method title “ASTM Method D6581-08 A”
611.381(b)(1)(D)(v)	(141.131(b)(1) table)/ App. C, Subpart C table & [note 4]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; added the method description “by chemically suppressed chromatography”; changed “D6581-08 B” and the method source in the note to the Board’s short-form method title “ASTM Method D6581-08 A”
611.381(b)(1)(D) Board note	(141.131(b)(1) table)/ App. C, Subpart C table & [note 4]	Added explanation of USEPA’s addition of ASTM Methods D6581-08 A and B as approved alternative methods, adding the <i>Federal Register</i> citation to the approval
611.381(c)(1)	141.131(c)(1) preamble	Omitted “or one of the alternative methods listed in Appendix A to subpart C of this part” as unnecessary because the Illinois regulations include the alternative methods together with the USEPA-approved methods
611.381(c)(1)(A)(i)	(141.131(c)(1) table)/ App. C, Subpart C table & [note 4]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking

611.381(c)(1)(A)(v)	(141.131(c)(1) table)/ App. C, Subpart C table & [note 17]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed the method description to lower-case “amperometric sensor”; changed “ChloroSense” to “Palintest ChloroSense”
611.381(c)(1)(A)(vi)	(141.131(c)(1) table)/ App. C, Subpart C table & [note 16]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed the method description to lower-case “on-line chlorine analyzer”; changed “EPA 334.0” and the method source in the note to the Board’s short-form method title “USEPA OGWDW Methods, Method 334.0”
611.381(c)(1)(A) Board note	(141.131(c)(1) table)/ App. C, Subpart C table & [notes 16 & 17]	Added explanation of USEPA’s addition of ASTM D1253-08, Palintest ChloroSense, and USEPA OGWDW Methods, Method 334.0 as approved alternative methods, adding the <i>Federal Register</i> citation to the approval
611.381(c)(1)(B)(i)	(141.131(c)(1) table)/ App. C, Subpart C table & [note 4]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking
611.381(c)(1)(B) Board note	(141.131(c)(1) table)/ App. C, Subpart C table & [note 4]	Added explanation of USEPA’s addition of ASTM D1253-08 as an approved alternative method, adding the <i>Federal Register</i> citation to the approval
611.381(c)(1)(C)(i)	(141.131(c)(1) table)/ App. C, Subpart C table & [note 4]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking
611.381(c)(1)(C)(vi)	(141.131(c)(1) table)/ App. C, Subpart C table & [note 17]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed the method description to lower-case “amperometric sensor”; changed “ChloroSense” to “Palintest ChloroSense”

611.381(c)(1)(C)(vii)	(141.131(c)(1) table)/ App. C, Subpart C table & [note 16]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed the method description to lower-case “on-line chlorine analyzer”; changed “EPA 334.0” and the method source in the note to the Board’s short-form method title “USEPA OGWDW Methods, Method 334.0”
611.381(c)(1)(C) Board note	(141.131(c)(1) table)/ App. C, Subpart C table & [notes 16 & 17]	Added explanation of USEPA’s addition of ASTM D1253-08, Palintest ChloroSense, and USEPA OGWDW Methods, Method 334.0 as approved alternative methods, adding the <i>Federal Register</i> citation to the approval
611.381(d)	141.131(d) preamble	Omitted “or one of the alternative methods listed in Appendix A to subpart C of this part” as unnecessary because the Illinois regulations include the alternative methods together with the USEPA-approved methods
611.381(d)(3)(A)(ii)	141.131(d)(3)/ App. C, Subpart C table & [note 19]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed “EPA 415.3, Rev. 1.2” and the method source in the note to the Board’s short-form method title “USEPA NERL Method 415.3 (rev. 1.2)”
611.381(d)(3)(B)(ii)	141.(d)(3)/ App. C, Subpart C table & [note 19]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed “EPA 415.3, Rev. 1.2” and the method source in the note to the Board’s short-form method title “USEPA NERL Method 415.3 (rev. 1.2)”
611.381(d)(3)(C)(ii)	141.(d)(3)/ App. C, Subpart C table & [note 19]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed “EPA 415.3, Rev. 1.2” and the method source in the note to the Board’s short-form method title “USEPA NERL Method 415.3 (rev. 1.2)”

611.381(d)(3)(D)	141.(d)(3)/ App. C, Subpart C table & [note 19]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed “EPA 415.3, Rev. 1.2” and the method source in the note to the Board’s short-form method title “USEPA NERL Method . . . 415.3 (rev. 1.2)”
611.381(d)(3) Board note	(141.131(d)(3))/ App. C, Subpart C table & [notes 16 & 17]	Added explanation of USEPA’s addition of USEPA NERL Method 415.3 (rev. 1.2) as an approved alternative method adding the <i>Federal Register</i> citation to the approval
611.381(d)(4)(A)(i)	141.(d)(4)/ App. C, Subpart C table & [note 19]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed “EPA 415.3, Rev. 1.2” and the method source in the note to the Board’s short-form method title “USEPA NERL Method . . . 415.3 (rev. 1.2)”
611.381(d)(4)(A)(ii)	141.(d)(4)/ App. C, Subpart C table & [note 19]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed “EPA 415.3, Rev. 1.2” and the method source in the note to the Board’s short-form method title “USEPA NERL Method . . . 415.3 (rev. 1.2)”
611.381(d)(4)(A)(iii)	141.(d)(4)/ App. C, Subpart C table & [note 19]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed “EPA 415.3, Rev. 1.2” and the method source in the note to the Board’s short-form method title “USEPA NERL Method . . . 415.3 (rev. 1.2)”
611.381(d)(4)(A) Board note	(141.131(d)(4))/ App. C, Subpart C table & [notes 16 & 17]	Added explanation of USEPA’s addition of USEPA NERL Method 415.3 (rev. 1.2) as an approved alternative method adding the <i>Federal Register</i> citation to the approval
611.381(d)(4)(B)	141.131(d)(4)/ App. C, Subpart C table & [note 19]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed “EPA 415.3, Rev. 1.2” and the method source in the note to the Board’s short-form method title “USEPA NERL Method . . . 415.3 (rev. 1.2)”

611.381(d)(4)(B) Board note	(141.131(d)(4))/ App. C, Subpart C table & [note 19]	Added explanation of USEPA's addition of USEPA NERL Method 415.3 (rev. 1.2) as an approved alternative method adding the <i>Federal Register</i> citation to the approval
611.381(b)(3)(B)(ii)	141.131(b)(3)(ii)(B)	Changed the references to the approved alternative methods in the text from "EPA 302.0" and "EPA 557" to "USEPA OGWDW . . . Methods, Method 302.0, . . . or Method 557" (twice)
611.526(c)	141.21(f)(3)	Omitted "or one of the alternative methods listed in Appendix A to subpart C of this part" as unnecessary because the Illinois regulations include the alternative methods together with the USEPA-approved methods
611.526(c)(11)	141.21(f)(3) table/ App. C, Subpart C table & [note 13]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed "Modified Colitag™" and the method source in the note to the Board's short-form method title "Modified Colitag™ Method"
611.526(c) Board note	141.21(f)(3) table/ App. C, Subpart C table & [note 13]	Added explanation of USEPA's addition of Modified Colitag™ Method as an approved alternative method adding the <i>Federal Register</i> citation to the approval
611.526(f)	141.21(f)(6)	Omitted "or one of the alternative methods listed in Appendix A to subpart C of this part" as unnecessary because the Illinois regulations include the alternative methods together with the USEPA-approved methods
611.526(f)(11)	141.21(f)(3) table/ App. C, Subpart C table & [notes 1, 3 & 6]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed "SM 20th edition . . . SM 21st edition . . . 9223 B" to the Board's short-form method title "Standard Methods, 20th or 21st ed., Method 9223 B"; omitted "SM online . . . 9223 B-97," since the same version appears in Standard Methods, 21st ed.

611.526(f)(12)	141.21(f)(3) table/ App. C, Subpart C table & [note 13]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed “Modified Colitag™” and the method source in the note to the Board’s short-form method title “Modified Colitag™ Method”
611.526(f) Board note	(141.21(f)(3) table)/ App. C, Subpart C table & [notes 1, 3, 6 & 13]	Added explanation of USEPA’s addition of Modified Colitag™ Method as an approved alternative method for <i>E. coli</i> , adding the <i>Federal Register</i> citation to the approval
611.531(a)(2)	141.74(a)(1)	Omitted “or one of the alternative methods listed in Appendix A to subpart C of this part” as unnecessary because the Illinois regulations include the alternative methods together with the USEPA-approved methods
611.531(a)(2)(D)(iv)	(141.74(a)(1) table)/ App. C, Subpart C table & [note 10]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed capitalized “Laser Nephelometry” to lower-case “laser nephelometry”; changed “Mitchell M5271” and the method source in the note to the Board’s short-form method title “Mitchell Method M5271”
611.531(a)(2)(D)(v)	(141.74(a)(1) table)/ App. C, Subpart C table & [notes 11 & 15]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed capitalized “LED Nephelometry” to lower-case “LED nephelometry”; changed “Mitchell M5331” and the method source in the note to the Board’s short-form method title “Mitchell Method M5331”; changed “AMI Turbiwell” to “AMI Turbiwell Method”

611.531(a)(2)(D)(vi)	(141.74(a)(1) table)/ App. C, Subpart C table & [note 12]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed capitalized “LED Nephelometry” to lower-case “LED nephelometry”; changed “Orion AQ4500” and the method source in the note to the Board’s short-form method title “Orion Method AQ4500”
611.531(a)(2)(D) Board Note	(141.74(a)(1) table)/ App. C, Subpart C table & [notes 10, 11, 12 & 15]	Added explanation of USEPA’s addition of Standard Methods, 21st ed., Method 9130 B, Mitchell Methods M5271 and M5331, Orion Method AQ4500, and AMI Turbiwell Methods as approved alternative methods adding the <i>Federal Register</i> citations to the approvals
611.531(b)	141.74(a)(2)	Omitted “or one of the alternative methods listed in Appendix A to subpart C of this part” as unnecessary because the Illinois regulations include the alternative methods together with the USEPA-approved methods
611.531(b)(1)(A)(ii)	(141.74(a)(2) table)/ App. C, Subpart C table & [note 4]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed “D 1253-08” to “ASTM Method D1253-08”
611.531(b)(1)(E)	(141.74(a)(2) table)/ App. C, Subpart C table & [note 16]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed capitalized “On-Line Chlorine Analyzer” to lower-case “on-line chlorine analyzer”; “334.0” to “USEPA OGWDW Methods, Method 334.0”
611.531(b)(1)(F)	(141.74(a)(2) table)/ App. C, Subpart C table & [note 17]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed capitalized “On-Line Chlorine Analyzer” to lower-case “on-line chlorine analyzer”; “334.0” to “USEPA OGWDW Methods, Method 334.0”

611.531(b)(1) Board Note	(141.74(a)(2) table)/ App. C, Subpart C table & [notes 16 & 17]	Added explanation of USEPA's addition of ASTM D1253-08, USEPA OGWDW Methods, Method 334.0, and Palintest ChloroSense as approved alternative methods for free chlorine adding the <i>Federal Register</i> citations to the approvals
611.531(b)(2)(A)(ii)	(141.74(a)(2) table)/ App. C, Subpart C table & [note 4]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed "D 1253-08" to "ASTM Method D1253-08"
611.531(b)(2)(F)	(141.74(a)(2) table)/ App. C, Subpart C table & [note 16]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed capitalized "On-Line Chlorine Analyzer" to lower-case "on-line chlorine analyzer"; "334.0" to "USEPA OGWDW Methods, Method 334.0"
611.531(b)(2)(G)	(141.74(a)(2) table)/ App. C, Subpart C table & [note 17]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed capitalized "On-Line Chlorine Analyzer" to lower-case "on-line chlorine analyzer"; "334.0" to "USEPA OGWDW Methods, Method 334.0"
611.531(b)(2) Board Note	(141.74(a)(2) table)/ App. C, Subpart C table & [notes 16 & 17]	Added explanation of USEPA's addition of ASTM D1253-08, USEPA OGWDW Methods, Method 334.0, and Palintest ChloroSense as approved alternative methods for total chlorine adding the <i>Federal Register</i> citations to the approvals
611.611(a)	141.21(k)(1)	Omitted the parenthetical "or the alternative methods listed in Appendix A to subpart C of this part" and its offsetting comma as unnecessary because the Illinois regulations include the alternative methods together with the USEPA-approved methods
611.611(a)(2)(B)	(141.23(k)(1) table)/ App. C, Subpart C table & [note 4]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed "D 3697-07" to "D3697-07"

611.611(a)(2) Board note	(141.23(k)(1) table)/ App. C, Subpart C table & [note 4]	Added explanation of USEPA's addition of ASTM Method D3697-07 as an approved alternative method for antimony adding the <i>Federal Register</i> citations to the approvals
611.611(a)(3)(C)(i)	(141.23(k)(1) table)/ App. C, Subpart C table & [note 4]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed "D 2972-08 C" to "D2972-08 C"
611.611(a)(3)(D)(i)	141.23(k)(1), table/ App. C, Subpart C table & [note 4]	Did not make the erroneous change in method number "2972-97, 03 B" to "1972-97, 03 B"; included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed "D 2972-08 C" to "D2972-08 C"
611.611(a)(3) Board note	(141.23(k)(1) table)/ App. C, Subpart C table & [note 4]	Added explanation of USEPA's addition of ASTM Methods D2972-08 B and C as approved alternative methods for arsenic adding the <i>Federal Register</i> citations to the approvals
611.611(a)(6)(D)(i)	(141.23(k)(1) table)/ App. C, Subpart C table & [note 4]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed "D 3645-08 B" to "D3645-08 B"
611.611(a)(6) Board note	(141.23(k)(1) table)/ App. C, Subpart C table & [note 4]	Added explanation of USEPA's addition of ASTM Method D3645-08 B as an approved alternative method for arsenic adding the <i>Federal Register</i> citations to the approvals
611.611(a)(8)(A)(i)	(141.23(k)(1) table)/ App. C, Subpart C table & [note 4]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed "D 511-09 A" to "D511-09 A"
611.611(a)(8)(B)(i)	(141.23(k)(1) table)/ App. C, Subpart C table & [note 4]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed "D 511-09 A" to "D511-09 A"
611.611(a)(8) Board note	(141.23(k)(1) table)/ App. C, Subpart C table & [note 4]	Added explanation of USEPA's addition of ASTM Method D511-09 A as an approved alternative method for calcium adding the <i>Federal Register</i> citations to the approvals

611.611(a)(10)(A)(i)	(141.23(k)(1) table)/ App. C, Subpart C table & [note 4]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed “D 1688-07 C” to “D1688-07 C”
611.611(a)(10)(B)(i)	(141.23(k)(1) table)/ App. C, Subpart C table & [note 4]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed “D 1688-07 C” to “D1688-07 C”
611.611(a)(10) Board note	(141.23(k)(1) table)/ App. C, Subpart C table & [note 4]	Added explanation of USEPA’s addition of ASTM Method D1688-07 A as an approved alternative method for copper adding the <i>Federal Register</i> citations to the approvals
611.611(a)(12)(H)	(141.23(k)(1) table)/ App. C, Subpart C table & [note 7]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed “ME355.01” to “Method ME355.01”
611.611(a)(14)(A)(i)	(141.23(k)(1) table)/ App. C, Subpart C table & [note 4]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed “D 1688-07 C” to “D1688-07 C”
611.611(a)(14) Board note	(141.23(k)(1) table)/ App. C, Subpart C table & [note 4]	Added explanation of USEPA’s addition of ASTM Method D3559-08 D as an approved alternative method for lead adding the <i>Federal Register</i> citations to the approvals
611.611(a)(15)(A)(i)	(141.23(k)(1) table)/ App. C, Subpart C table & [note 4]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed “D 511-09 A” to “D511-09 A”
611.611(a)(15)(B)(i)	(141.23(k)(1) table)/ App. C, Subpart C table & [note 4]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed “D 511-09 A” to “D511-09 A”
611.611(a)(15)(C)(i)	(141.23(k)(1) table)/ App. C, Subpart C table & [note 4]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed “D 511-09 A” to “D511-09 A”
611.611(a)(15) Board note	(141.23(k)(1) table)/ App. C, Subpart C table & [note 4]	Added explanation of USEPA’s addition of ASTM Method D511-09 A as an approved alternative method for magnesium adding the <i>Federal Register</i> citations to the approvals

611.611(a)(18)(F)	(141.23(k)(1) table)/ App. C, Subpart C table & [note 8]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed the method description “reduction/colorimetric” to “reduction-colorimetric”
611.611(a)(18) Board note	(141.23(k)(1) table)/ App. C, Subpart C table & [note 8]	Added explanation of USEPA’s addition of Systea Easy (1-Reagent) as an approved alternative method for nitrate adding the <i>Federal Register</i> citations to the approvals
611.611(a)(19)(F)	(141.23(k)(1) table)/ App. C, Subpart C table & [note 8]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed the method description “reduction/colorimetric” to “reduction-colorimetric”
611.611(a)(19) Board note	(141.23(k)(1) table)/ App. C, Subpart C table & [note 8]	Added explanation of USEPA’s addition of Systea Easy (1-Reagent) as an approved alternative method for nitrite adding the <i>Federal Register</i> citations to the approvals
611.611(a)(22)(D)(i)	(141.23(k)(1) table)/ App. C, Subpart C table & [note 4]	Included the approved alternative method in main listing together with the methods that USEPA approved by rulemaking; changed “D 3859-08 B” to “D3859-08 B”
611.611(a)(22) Board note	(141.23(k)(1) table)/ App. C, Subpart C table & [note 4]	Added explanation of USEPA’s addition of ASTM Method D3859-08 BA as an approved alternative method for selenium adding the <i>Federal Register</i> citations to the approvals
611.645 preamble	141.24(e)	Omitted the parenthetical “or the alternative methods listed in Appendix A to subpart C of this part” and its offsetting comma as unnecessary because the Illinois regulations include the alternative methods together with the USEPA-approved methods
611.645 benzene	(141.24(e)(1))/ App. C, Subpart C table & [note 9]	Changed “EPA Method 524.3” to “USEPA OGWDW Method 524.3 (rev. 1.0)”
611.645 carbon tetrachloride	(141.24(e)(1))/ App. C, Subpart C table & [note 9]	Changed “EPA Method 524.3” to “USEPA OGWDW Method 524.3 (rev. 1.0)”

611.645 chlorobenzene	(141.24(e)(1))/ App. C, Subpart C table & [note 9]	Changed “EPA Method 524.3” to “USEPA OGWDW Method 524.3 (rev. 1.0)”
611.645 1,2-dichloro- benzene	(141.24(e)(1))/ App. C, Subpart C table & [note 9]	Changed “EPA Method 524.3” to “USEPA OGWDW Method 524.3 (rev. 1.0)”
611.645 1,4-dichloro- benzene	(141.24(e)(1))/ App. C, Subpart C table & [note 9]	Changed “EPA Method 524.3” to “USEPA OGWDW Method 524.3 (rev. 1.0)”
611.645 1,2-dichloro- ethane	(141.24(e)(1))/ App. C, Subpart C table & [note 9]	Changed “EPA Method 524.3” to “USEPA OGWDW Method 524.3 (rev. 1.0)”
611.645 <i>cis</i> -dichloro- ethylene	(141.24(e)(1))/ App. C, Subpart C table & [note 9]	Changed “EPA Method 524.3” to “USEPA OGWDW Method 524.3 (rev. 1.0)”
611.645 <i>trans</i> - dichloroethylene	(141.24(e)(1))/ App. C, Subpart C table & [note 9]	Changed “EPA Method 524.3” to “USEPA OGWDW Method 524.3 (rev. 1.0)”
611.645 dichloromethane	(141.24(e)(1))/ App. C, Subpart C table & [note 9]	Changed “EPA Method 524.3” to “USEPA OGWDW Method 524.3 (rev. 1.0)”
611.645 1,2-dichloro- propane	(141.24(e)(1))/ App. C, Subpart C table & [note 9]	Changed “EPA Method 524.3” to “USEPA OGWDW Method 524.3 (rev. 1.0)”
611.645 ethylbenzene	(141.24(e)(1))/ App. C, Subpart C table & [note 9]	Changed “EPA Method 524.3” to “USEPA OGWDW Method 524.3 (rev. 1.0)”
611.645 styrene	(141.24(e)(1))/ App. C, Subpart C table & [note 9]	Changed “EPA Method 524.3” to “USEPA OGWDW Method 524.3 (rev. 1.0)”
611.645 tetrachloro- ethylene	(141.24(e)(1))/ App. C, Subpart C table & [note 9]	Changed “EPA Method 524.3” to “USEPA OGWDW Method 524.3 (rev. 1.0)”

611.645 1,1,1-trichloroethane	(141.24(e)(1))/ App. C, Subpart C table & [note 9]	Changed “EPA Method 524.3” to “USEPA OGWDW Method 524.3 (rev. 1.0)”
611.645 trichloroethylene	(141.24(e)(1))/ App. C, Subpart C table & [note 9]	Changed “EPA Method 524.3” to “USEPA OGWDW Method 524.3 (rev. 1.0)”
611.645 toluene	(141.24(e)(1))/ App. C, Subpart C table & [note 9]	Changed “EPA Method 524.3” to “USEPA OGWDW Method 524.3 (rev. 1.0)”
611.645 1,2,4-trichlorobenzene	(141.24(e)(1))/ App. C, Subpart C table & [note 9]	Changed “EPA Method 524.3” to “USEPA OGWDW Method 524.3 (rev. 1.0)”
611.645 1,1-dichloroethylene	(141.24(e)(1))/ App. C, Subpart C table & [note 9]	Changed “EPA Method 524.3” to “USEPA OGWDW Method 524.3 (rev. 1.0)”
611.645 1,1,2-trichloroethane	(141.24(e)(1))/ App. C, Subpart C table & [note 9]	Changed “EPA Method 524.3” to “USEPA OGWDW Method 524.3 (rev. 1.0)”
611.645 vinyl chloride	(141.24(e)(1))/ App. C, Subpart C table & [note 9]	Changed “EPA Method 524.3” to “USEPA OGWDW Method 524.3 (rev. 1.0)”
611.645 xylenes (total)	(141.24(e)(1))/ App. C, Subpart C table & [note 9]	Changed “EPA Method 524.3” to “USEPA OGWDW Method 524.3 (rev. 1.0)”
611.645 dibromo-chloropropane (DBCP)	(141.24(e)(1))/ App. C, Subpart C table & [note 9]	Changed “EPA Method 524.3” to “USEPA OGWDW Method 524.3 (rev. 1.0)”
611.645 ethylene dibromide	(141.24(e)(1))/ App. C, Subpart C table & [note 9]	Omitted the erroneous change from “ethylene dibromide” to “ethyl dibromide”; changed “EPA Method 524.3” to “USEPA OGWDW Method 524.3 (rev. 1.0)”
611.645 volatile organic compounds Board note	141, subpart C, app. A re: VOCs	Added explanation of USEPA’s approval of USEPA OGWDW Methods, Method 524.3 (rev. 1.0) as an approved alternative method for VOCs

611.645 dalapon	141, subpart C, app. A re: 141.24(e)(1)	Included the approved alternative methods in main listing together with the methods that USEPA approved by rulemaking; changed “557” to “USEPA OGWDW Methods, Method 557”; omitted the reference to Standard Methods Online, since Method 6610 B-01 appears in the 21st edition volume
611.645 dibromo-chloropropane	141, subpart C, app. A re: 141.24(e)(1)	Included the approved alternative methods in main listing together with the methods that USEPA approved by rulemaking; changed “524.3” to “USEPA OGWDW Methods, Method 524.3 (rev. 1.0)”
611.645 ethylene dibromide	141, subpart C, app. A re: 141.24(e)(1)	Included the approved alternative methods in main listing together with the methods that USEPA approved by rulemaking; did not change “ethylene” to “ethyl” in the chemical name; changed “524.3” to “USEPA OGWDW Methods, Method 524.3 (rev. 1.0)”
611.645 synthetic organic compounds Board note	141, subpart C, app. A re: VOCs	Added explanation of USEPA’s approval of USEPA OGWDW Methods, Method 524.3 (rev. 1.0) as an approved alternative method for dibromochloropropane and ethylene dibromide; added explanation of USEPA’s addition of Standard Methods, 21st ed., Method 6640 B and Standard Methods Online, Method 6640 as approved alternative methods for dalapon; added explanation of the Board’s omission of a citation to Standard Methods Online, since the same version of Method 6640 B appears in Standard Methods, 21st edition
611.645 total trihalo-methanes	(141.24(e)(1))/ App. C, Subpart C table & [note 9]	Changed “EPA Method 524.3” to “USEPA OGWDW Method 524.3 (rev. 1.0)”
611.645 total trihalo-methanes Board note	(141.24(e)(1))/ App. C, Subpart C table & [note 9]	Added explanation of USEPA’s approval of USEPA OGWDW Methods, Method 524.3 (rev. 1.0) as an approved alternative method for total trihalomethanes
611.645	141.24(e), note 1	There was no need to remove note 1, since the Board did not retain the note after its June 1, 2001 lapse.

611.645	141.24(k)(2)	There was no need to remove subsection (k)(2), since the Board did not retain the text after its June 1, 2001 lapse.
611.720(a)	141.25(a) preamble	Omitted the parenthetical “or the alternative methods listed in Appendix A to subpart C of this part” and its offsetting comma as unnecessary because the Illinois regulations include the alternative methods together with the USEPA-approved methods
611.720(a)(3)(A)(i)	(141.25(a) table)/ App. C, Subpart C table & [note 4]	Included the approved alternative methods in main listing together with the methods that USEPA approved by rulemaking; changed “D 2460-07” to “D2460-07”
611.720(a)(3)(A)(ii)	(141.25(a) table)/ App. C, Subpart C table & [note 4]	Included the approved alternative methods in main listing together with the methods that USEPA approved by rulemaking; changed “D 3454-05” to “D3454-05”
611.720(a)(3) Board note	(141.25(a) table)/ App. C, Subpart C table & [note 4]	Added explanation of USEPA’s approval of ASTM Method D5174-07 as an approved alternative method for radium-226
611.720(a)(5)(C)(iii)	(141.25(a) table)/ App. C, Subpart C table & [note 4]	Included the approved alternative methods in main listing together with the methods that USEPA approved by rulemaking; changed “D 5174-07” to “D5174-07”
611.720(a)(5) Board note	(141.25(a) table)/ App. C, Subpart C table & [note 4]	Added explanation of USEPA’s approval of ASTM Method D5174-07 as an approved alternative method for uranium
611.720(a)(6)(A)(ii)	(141.25(a) table)/ App. C, Subpart C table & [note 4]	Included the approved alternative methods in main listing together with the methods that USEPA approved by rulemaking; changed “D 3649-06” to “D3649-06”
611.720(a)(6) Board note	(141.25(a) table)/ App. C, Subpart C table & [note 4]	Added explanation of USEPA’s approval of ASTM Method D3649-06 as an approved alternative method for radioactive cesium
611.720(a)(7)(A)(i)	(141.25(a) table)/ App. C, Subpart C table & [note 4]	Included the approved alternative methods in main listing together with the methods that USEPA approved by rulemaking; changed “D 3649-06” to “D3649-06”
611.720(a)(7)(A)(ii)	(141.25(a) table)/ App. C, Subpart C table & [note 4]	Included the approved alternative methods in main listing together with the methods that USEPA approved by rulemaking; changed “D 4785-08” to “D4785-08”

611.720(a)(7) Board note	(141.25(a) table)/ App. C, Subpart C table & [note 4]	Added explanation of USEPA's approval of ASTM Method D4785-08 as an approved alternative method for radioactive iodine
611.720(a)(9)(A)	(141.25(a) table)/ App. C, Subpart C table & [note 4]	Included the approved alternative methods in main listing together with the methods that USEPA approved by rulemaking; changed "D 4107-08" to "D4107-08"
611.720(a)(9) Board note	(141.25(a) table)/ App. C, Subpart C table & [note 4]	Added explanation of USEPA's approval of ASTM Method D4107-08 as an approved alternative method for tritium
611.720(a)(10)(A)(i)	(141.25(a) table)/ App. C, Subpart C table & [note 4]	Included the approved alternative methods in main listing together with the methods that USEPA approved by rulemaking; changed "D 3649-06" to "D3649-06"
611.720(a)(10)(A)(ii)	(141.25(a) table)/ App. C, Subpart C table & [note 4]	Included the approved alternative methods in main listing together with the methods that USEPA approved by rulemaking; changed "D 4785-08" to "D4785-08"
611.720(a)(10) Board note	(141.25(a) table)/ App. C, Subpart C table & [note 4]	Added explanation of USEPA's approval of ASTM Method D4107-08 as an approved alternative method for gamma emitters
611.720(b)(2)	141.25(b)(2)	Changed from incorporation of the 1973 edition of "HASL Procedure Manual" to the 27th or 18th edition of "EML Procedures Manual" for identification and measurement of radionuclides other than those for which USEPA has established an MCL and approved more specific analytical methods
611.802(c)(2)(A)(ix)	(141.402(c)(2) table)/ App. C, Subpart C table & [note 20]	Included the approved alternative methods in main listing together with the methods that USEPA approved by rulemaking; changed "Readycult®" to "Readycult® 2007"
611.802(c)(2)(A)(x)	(141.402(c)(2) table)/ App. C, Subpart C table & [note 13]	Included the approved alternative methods in main listing together with the methods that USEPA approved by rulemaking; changed "Modified Colitag™" to "Modified Colitag™ Method"

611.802(c)(2)(A)(xi)	(141.402(c)(2) table)/ App. C, Subpart C table & [note 21]	Included the approved alternative methods in main listing together with the methods that USEPA approved by rulemaking; changed “Chromocult®” to “Chromocult® Method”
611.802(c)(2)(A) Board note	(141.25(a) table)/ App. C, Subpart C table & [note 4]	Added explanation of USEPA’s approval of ReadyCult® 2007, Modified Colitag™ Method, and Chromocult® Method as approved alternative methods for <i>E. coli</i>
611.925(b)(15)	141.605(b), footnote 2	Changed plural “ground water systems” to singular “a groundwater system supplier”; changed “serving” to “that serves for a restrictive relative clause” changed “500-9,999” to “500 to 9,999 persons”; added “which is” before “on annual monitoring” to a subsequent restrictive relative clause; changed plural “all other systems” to singular “any other supplier”; added “that is” for a restrictive relative clause; changed plural “for systems serving” to “for a supplier that serves”
611.971(a)(2)(O)	141.621(a)(2) footnote 2	Changed plural “ground water systems” to singular “a groundwater system supplier”; changed “serving” to “that serves for a restrictive relative clause” changed “500-9,999” to “500 to 9,999 persons”; added “which is” before “on annual monitoring” to a subsequent restrictive relative clause; changed plural “all other systems” to singular “any other supplier”; added “that is” for a restrictive relative clause; changed plural “for systems serving” to “for a supplier that serves”
611.1004(a)	141.704(a)	Omitted the parenthetical “or the alternative methods listed in Appendix A to subpart C of this part” and its offsetting comma as unnecessary because the Illinois regulations include the alternative methods together with the USEPA-approved methods

611.1004(b)	141.704(b)	Omitted the parenthetical “or the alternative methods listed in Appendix A to subpart C of this part” and its offsetting comma as unnecessary because the Illinois regulations include the alternative methods together with the USEPA-approved methods
611.1100 heading	141.800 heading	Changed “compliance date” to capitalized “Compliance Date”
611.1100(a)	141.800(a)	Changed “National Primary Drinking Water Regulations” to “NPDWRs”; changed “aircraft” to “AWSs”; changed public water systems” to “PWSs”; changed “aircraft public water systems” to “AWSs”
611.1100(b)	141.800(b)	Changed “aircraft” to “AWSs”; changed public water systems” to “PWSs”; changed “aircraft public water systems” to “AWSs”; changed “national primary drinking water regulations” to “NPDWRs”
611.1101 preamble	141.801 preamble	Changed “the terms” to “the following terms have the given meanings”
611.1101	141.801 “Administrator”	Omitted the definition at this Section, since an adequate definition exists at Section 611.101
611.1101 “Aircraft”	141.801 “aircraft”	Placed the defined term in quotation marks
611.1101 “Air Carrier”	141.801 “air carrier”	Changed the defined term to lower-case “air carrier” and placed the defined term in quotation marks; changed; changed “public water systems” to “PWSs”

611.1101 “Aircraft Water System”	141.801 “aircraft water system”	Changed the defined term to lower-case “aircraft water system” and placed the defined term in quotation marks; added the alternative defined acronym for the term, “or ‘AWS’”; changed “public water systems” to “PWSs”; changed “Safe Drinking Water Act” to “SDWA”; changed “national primary drinking water regulations” to “NPDWRs”; added “as defined in Section 611.101” offset by a comma after “NPDWRs”; changed “aircraft public water system” to “AWS”; omitted the reference to 40 C.F.R. 43, 91, and 121”
611.1101 “Aircraft Water System” Board note	141.801 “aircraft water system”	Added “See Section 611.1104”; added explanation that corresponding 40 C.F.R. 801 includes a citation to “14 C.F.R. 43, 93 and 121”
611.1101 “Aircraft Water System Operations and Maintenance Plan”	141.801 “Aircraft Water System Operations and Maintenance Plan”	Placed the defined term in quotation marks; added the alternative defined acronym for the term, “AWSOMP”; changed “aircraft water system” to “AWS”; omitted the reference to 40 C.F.R. 43, 91, and 121”
611.1101 “Aircraft Water System Operations and Maintenance Plan” Board note	141.801 “Aircraft Water System Operations and Maintenance Plan”	Added “See Section 611.1104”; added explanation that corresponding 40 C.F.R. 801 includes a citation to “14 C.F.R. 43, 93 and 121”
611.1101	141.801 “finished water”	Omitted the definition at this Section, since an adequate definition exists at Section 611.101
611.1101 “Human Consumption”	141.801 “human consumption”	Changed the defined term to lower-case “air carrier” and placed the defined term in quotation marks
611.1101 “Self Inspection”	141.801 “self inspection”	Changed the defined term to lower-case “self inspection” and placed the defined term in quotation marks; changed “aircraft water system” to “AWS”
611.1101 “Watering Point”	141.801 “watering point”	Changed the defined term to lower-case “watering point” and placed the defined term in quotation marks

611.1101 Board note	141.801	Added a derivation note; added explanation of the omission of definitions equivalent to “Administrator” (“Agency”) and “finished water”
611.1102 heading	141.802 heading	Changed “sampling plan” to capitalized “Sampling Plan”
611.102(a)	141.812(a)	Changed “coliform monitoring plan” to capitalized “Coliform Monitoring Plan” to distinctly formalize the term; moved “that identifies the following” from after “air carrier” to after “Coliform Monitoring Plan”; changed “aircraft water system” to “AWS”
611.102(a)(2)	141.812(a)(2)	Changed “location(s)” to “locations”; changed “aircraft water system” to “AWS”
611.102(a)(3)	141.812(a)(3)	Added the definite article “the” before “frequency”
611.102(a)(4)	141.812(a)(4)	Added the definite article “the” before “frequency”; changed “operations and maintenance plan under § 141.804” to “AWSOMP pursuant to Section 611.1104”
611.102(a)(5)	141.812(a)(5)	Added “that the air carrier will use” before “communicating”; added a comma before “so that” to offset the parenthetical; added “that air carrier can assure that” before “any required actions”; changed “will be conducted” to “occur”
611.102(b)	141.812(b)	Changed “coliform sampling plan” to capitalized “Coliform Sampling Plan”; changed “by April 19, 2011” to “before April 19, 2011”; changed “a water system meeting the definition of public water system” to “and AWS that meets the definition of a PWS”
611.102(c)	141.812(c)	Changed “coliform sampling plan” to capitalized “Coliform Sampling Plan” (twice); changed “Aircraft Water System Operation and Maintenance Plan” to “AWSOMP” (twice); changed “required in” to “required by” before Section 611.1104”; added “the air carrier must include” before “any changes”
611.1102 Board note	141.802	Added a derivation note

611.1103 heading	141.803 heading	Changed “sampling” to capitalized “Sampling”
611.1103(a)	141.803(a)	Changed plural “air carriers” to singular “an air carrier”; changed “under this section” to “set forth in this Section”
611.1103(a)(1)	141.803(a)(1)	Changed “mL” to “mℓ”
611.1103(a)(2)	141.803(a)(2)	Changed plural “air carriers need” to singular “an air carrier”; changed “under this section” to “set forth in this Section”; changed “and/or” to “or”; change italic “ <i>E. coli</i> ” to standard typeface “E. coli” to comport with <i>Illinois Administrative Code</i> codification requirements (italic typeface is reserved for quotation of statutory language)
611.1103(a)(3)	141.803(a)(3)	Changed plural “air carriers need” to singular “an air carrier”; change italic “ <i>E. coli</i> ” to standard typeface “E. coli” to comport with <i>Illinois Administrative Code</i> codification requirements
611.1103(a)(4)	141.803(a)(4)	Changed “may not exceed” to “must not exceed”; moved the non-mandatory statement, “Systems are encouraged . . . during transit,” to an added Board note
611.1103(a)(4) Board note	141.803(a)(4)	Added the note to accommodate the non-mandatory statement, “Systems are encouraged . . . during transit” in quotation marks, prefaced by the explanatory clause, USEPA included the following statement in corresponding 40 CFR 141.803(a)(4)”
611.1103(a)(5)	141.803(a)(5)	Changed “Administrator” to “Agency”
611.1103(a)(6)	141.803(a)(6)	Changed “certified by a State or EPA” to “that is certified by the Agency, USEPA, or by a sister state that is authorized by USEPA pursuant to 40 CFR 142 and 42 USC 300g-2”

611.1103(b)	141.803(b)	Moved the introductory clause, converted passive to active voice, and used defined acronyms to change “for each aircraft water system, the sampling frequency must be determined by . . . , and as identified in the operations and maintenance plan in” to “the air carrier must determine the sampling frequency for each AWS based on . . . ,and the air carrier must identify the sampling frequency in the AWSOMP required by”; changed “aircraft water system” to “AWS”
611.1103(b)(1)	141803(b)(1)	Changed “mL” to “ml”; added “specified” before “in”
611.1103(b)(2)	141803(b)(2)	Changed “mL” to “ml”; changed “meeting” to “that meet”; changed “do not have to comply” to “meet not comply”
611.1103(b)(3)	141.803(b)(3)	Changed “as specified in table b-1” to “that is specified in the table that is appended to this subsection (b)(3)”; added “based on the minimum routine sample frequency” after “Sample Frequencies”; changed plural “air carriers need” to singular “an air carrier”; changed “aircraft water system” to “AWS” (twice); changed “does nt specify” to “has not specified”; changed “from Table b-1 (Routine Disinfection and Flushing and Routine Sample Frequencies)” to “from the following table”

611.1103(b)(3) table	141.803(b)(3) Table b-1	Changed the first-column heading “minimum routine disinfection & flushing per aircraft” to “if the minimum routine disinfection and flushing per aircraft is as follows:”; changed the second-column heading “minimum frequency of routine samples per aircraft” to “the minimum frequency of routine samples per aircraft is as follows:”; changed numeric “4 times” to written “four times” (twice); changed numeric “1 time” to “once” (twice); changed written twelve-month” to numeric “12-month” (twice); changed numeric “3 times” to written “three times”; changed numeric “2 times” to written “twice” (twice)
611.1103(b)(4)	141.803(b)(4)	Changed passive-voice “one sample must be taken” to active-voice “the AWS supplier must take one sample”; changed “aircraft water system” to “AWS”; changed passive-voice “a single tap may be used” to active-voice “the supplier muse a single tap”; changed “mL” to “mℓ”
611.1103(b)(5)	141.803(b)(5)	Changed italic “ <i>E. coli</i> ” to standard typeface “E. coli” to comport with <i>Illinois Administrative Code</i> codification requirements
611.1103(c)	141.803(c)	Changed capitalized “Routine Coliform Sample Results” to lower-case “routine coliform sample results”
611.1103(c)(1)	141.803(c)(1)	Changed capitalized “Routine Coliform Sample Results” to lower-case “routine coliform sample results”; added a comma before “as specified” to offset the parenthetical; changed “sampling plan in” to “Coliform Sampling Plan required in”
611.1103(c)(2)	141.803(c)(2)	Changed capitalized “Routine <i>E. coli</i> Sample Results” to lower-case “routine E. coli sample results”; changed italic “ <i>E. coli</i> ” to standard typeface “E. coli” to comport with <i>Illinois Administrative Code</i> codification requirements (twice)

611.1103(c)(2)(A)	141.803(c)(2)(i)	Changed capitalized “Restrict Public Access” to lower-case “restrict public access”; added “the air carrier must” before “restrict”; changed “aircraft water system” to “AWS” (twice); changed italic “ <i>E. coli</i> ” to standard typeface “E. coli” to comport with <i>Illinois Administrative Code</i> codification requirements; added a comma before “as specified” to offset the parenthetical
611.1103(c)(2)(B)	141.803(c)(2)(ii)	Changed capitalized “Disinfect and Flush” to lower-case “disinfect and flush”; added “the air carrier must” before “conduct”; changed “aircraft water system” to “AWS”; changed italic “ <i>E. coli</i> ” to standard typeface “E. coli” to comport with <i>Illinois Administrative Code</i> codification requirements; added a comma before “as specified” to offset the parenthetical
611.1103(c)(2)(C)	141.803(c)(2)(iii)	Changed capitalized “Follow-up Sampling” to lower-case “follow-up sampling”; added “the air carrier must” before “collect”; changed “aircraft water system” to “AWS”; added a comma before “as specified” to offset the parenthetical; changed “sampling plan in” to “Coliform Sampling Plan required in”
611.1103(c)(3)	141.803(c)(3)	Changed capitalized “Positive Routine Total Coliform Sample Results” to lower-case “positive routine total coliform sample results”; changed italic “ <i>E. coli</i> ” to standard typeface “E. coli” to comport with <i>Illinois Administrative Code</i> codification requirements
611.1103(c)(3)(A)	141.803(c)(3)(i)	Changed capitalized “Disinfect and Flush” to lower-case “disinfect and flush”; added “the air carrier must” before “conduct”; changed italic “ <i>E. coli</i> ” to standard typeface “E. coli” to comport with <i>Illinois Administrative Code</i> codification requirements; changed “aircraft water system” to “AWS”; changed “before the air carrier returns” to “before the air carrier may return”

611.1103(c)(3)(B)	141.803(c)(3)(ii)	Changed capitalized “Restrict Public Access” to lower-case “restrict public access”; added “the air carrier must” before “restrict”; changed italic “ <i>E. coli</i> ” to standard typeface “E. coli” to comport with <i>Illinois Administrative Code</i> codification requirements; added a comma before “as specified” to offset the parenthetical; changed “aircraft water system” to “AWS”; changed “before the air carrier returns” to “before the air carrier may return”; changed “frequency as specified” to “frequency specified”
611.1103(c)(3)(C)	141.803(c)(3)(iii)	Changed capitalized “Repeat Sampling” to lower-case “repeat sampling”; added “the air carrier must” before “collect”; changed “mL” to “mL” (twice); changed italic “ <i>E. coli</i> ” to standard typeface “E. coli” to comport with <i>Illinois Administrative Code</i> codification requirements; added a comma before “as specified” to offset the parenthetical; changed capitalized “The tap” to lower-case “the tap” after “as follows:”; changed “aircraft water system” to “AWS”
611.1103(c)(3)(C)(i)	141.803(c)(3)(iii)(A)	Changed “frequency for total coliform as specified” to “frequency for total coliform specified”
611.1103(c)(3)(C)(ii)	141.803(c)(3)(iii)(B)	Changed italic “ <i>E. coli</i> ” to standard typeface “E. coli” to comport with <i>Illinois Administrative Code</i> codification requirements; changed “continue through with that action” to “continue that action”
611.1103(d)	141.803(d)	Changed “aircraft water system” to “AWS”
611.1103(d)(1)	141.803(d)(1)	Changed “aircraft water system” to “AWS”; changed “tap(s)” to “taps”
611.1103(d)(3)	141.803(d)(3)	Changed “aircraft water system” to “AWS” (three times); changed “in accordance with” to “that comply with the requirements of”; changed “21 CFR part 333” to “21 CFR 333”

611.1103(e)	141.803(e)	Changed capitalized “Post Disinfection and Flushing Follow-up Sampling” to lower-case “post disinfection and flushing follow-up sampling”; changed plural “air carriers” to singular “an air carrier”
611.1103(e)(1)	141.803(e)(1)	Changed “aircraft water system” to “AWS”; changed “mL” to “ml”; changed “locations as identified” to “locations identified”
611.1103(e)(2)	141.803(e)(2)	Changed passive-voice “follow-up samples must be collected” to active-voice “the carrier must collect follow-up samples”; changed “aircraft water system” to “AWS”
611.1103(e)(3)	141.803(e)(3)	Added “the air carrier must collect” before “follow-up samples”; changed “aircraft water system” to “AWS”
611.1103(e)(4)	141.803(e)(4)	Changed “as specified” to “that is specified”; changed “sampling plan” to “Coliform Sampling Plan”
611.1103(e)(5)	141.803(e)(5)	Changed italic “ <i>E. coli</i> ” to standard typeface “E. coli” to comport with <i>Illinois Administrative Code</i> codification requirements; changed “as specified” to “that are specified”
611.1103(e)(6)	141.803(e)(6)	Changed italic “ <i>E. coli</i> ” to standard typeface “E. coli” to comport with <i>Illinois Administrative Code</i> codification requirements (twice); changed “aircraft water system” to “AWS” (three times); changed “as specified in” to “that is specified”; added “Coliform Monitoring Plan required by” before “Section 611.1102”
611.1103(f)	141.803(f)	Changed capitalized “Failure to Perform Required Routine Disinfection and Flushing or Failure to Collect Required Routine Samples” to lower-case “failure to perform required routine disinfection and flushing or failure to collect required routine samples”; changed “as specified in” to “that are specified”

611.1103(g)	141.803(g)	Changed capitalized “Failure to Collect Repeat or Follow-up Samples” to lower-case “failure to collect repeat or follow-up samples”; changed “the required follow-up samples as a result of” to “the follow-up samples required as a result of” (twice); changed italic “ <i>E. coli</i> ” to standard typeface “E. coli” to comport with <i>Illinois Administrative Code</i> codification requirements; changed “as specified in” to “that are specified”;
611.1103(h)	141.803(h)	Changed capitalized “Failure to Board Water from a Safe Watering Point” to lower-case “failure to board water from a safe watering points”; changed “aircraft water system” to “AWS,” removed the offsetting comma, and moved “for the AWS” from the beginning of the statement to follow “specified”; changed “specified in” to “that are specified”; changed “when it becomes” to “when the air carrier becomes”; changed italic “ <i>E. coli</i> ” to standard typeface “E. coli” to comport with <i>Illinois Administrative Code</i> codification requirements; added “any of the following events” after “resulting from”
611.1103(h)(1)	141.803(h)(1)	Changed “40 CFR part 1240 subpart E” to “subpart E of 40 CFR 1240”; added “incorporated by reference in Section 611.102” as a parenthetical offset by a comma; changed the ending comma to a semicolon

611.1103(h)(2)	141.803(h)(2)	Added the definite article “the” before “NPDWRs”; changed “transient non-community waster systems” to “transient non-CWS suppliers”; parenthetically added the section title “(Revised MCLs for Inorganic Chemical Contaminants” after “Section 611.301”; parenthetically added the section title “(Microbiological Contaminants” after “Section 611.325”; changed “as applied to” to “to the extent that these provisions apply to”; changed “TNCWS” to “a transient non-CWS; changed the ending comma to a semicolon and added the conjunction “or”
611.1103(h)(3)	141.803(h)(3)	Added “the air carrier’s AWSOMP pursuant to” before “Section 611.1104(b)(6)”
611.1103(i)	141.803(i)	Changed capitalized “Failure to Board Water from a Safe Watering Point” to lower-case “failure to board water from a safe watering points”; changed “aircraft water system” to “AWS,” removed the offsetting comma, and moved “for the AWS” from the beginning of the statement to follow “specified”; changed “specified in” to “that are specified”; corrected plural “paragraphs (c)(3)(ii)” to singular “subsection (c)(3)(B)”; changed “when it becomes” to “when the air carrier becomes”; changed italic “ <i>E. coli</i> ” to standard typeface “E. coli” to comport with <i>Illinois Administrative Code</i> codification requirements; added “any of the following events” after “resulting from”
611.1103(i)(1)	141.803(i)(1)	Changed “40 CFR part 1240 subpart E” to “subpart E of 40 CFR 1240”; added “incorporated by reference in Section 611.102” as a parenthetical offset by a comma; changed the ending comma to a semicolon

611.1103(i)(2)	141.803(i)(2)	Added the definite article “the” before “NPDWRs”; changed “transient non-community waster systems” to “transient non-CWS suppliers”; parenthetically added the section title “(Revised MCLs for Inorganic Chemical Contaminants” after “Section 611.301”; parenthetically added the section title “(Microbiological Contaminants” after “Section 611.325”; changed “as applied to” to “to the extent that these provisions apply to”; changed “TNCWS” to “a transient non-CWS; changed the ending comma to a semicolon and added the conjunction “or”
611.1103(i)(3)	141.803(i)(3)	Added “the air carrier’s AWSOMP pursuant to” before “Section 611.1104(b)(6)”
611.1103 Board note	141.803	Added a derivation note
611.1104 heading	141.804 heading	Changed “water system operations and maintenance plan” to capitalized “Water System Operations and Maintenance Plan”
611.1104(a)	141.804(a)	Parenthetically added the acronym “(AWSOMP)” after “aircraft water system operation and maintenance plan”; changed “aircraft water system” to “AWS”; changed passive-voice “this plan must be included” to “the air carrier must include this AWSOMP”; omitted the reference to 40 C.F.R. 43, 91, and 121”
611.1104(a) Board note	141.804(a) “aircraft water system”	Added explanation that corresponding 40 C.F.R. 804(a) includes a citation to “14 C.F.R. 43, 93 and 121”
611.1104(b)	141.804(b)	Changed “aircraft water system operation and maintenance plan” to “AWSOMP”; added “information and procedures” after “the following”

611.1104(b)(1)	141.804(b)(1)	Changed capitalized “Watering Point Selection Requirements” to lower-case “watering point selection requirements”; changed “all watering points must be selected” to “the AWSOMP must include information and procedures which ensure that all watering points are selected”; changed “in accordance with Food and Drug Administration (FDA) regulations (21 CFR part 1240, subpart E)” to “subpart E of 21 CFR 1240”; added “incorporated by reference in Section 611.102” as a parenthetical offset by a comma
611.1104(b)(2)	141.804(b)(2)	Changed capitalized “Procedures for Disinfection and Flushing” to lower-case “procedures for disinfection and flushing”; changed “the plan” to “the AWSOMP”; changed “procedures” to “information and procedures”; changed “aircraft water system” to “AWS”; moved “the following requirements” from after “include” to the end, preceded by added “that ensure compliance with”
611.1104(b)(2)(A)	141.804(b)(2)(i)	Changed “aircraft water system” to “AWS”; added “that” before “is consistent” for a restrictive relative clause
611.1104(b)(2)(B)	141.804(b)(2)(ii)	Changed “the operations and maintenance plan” to “the AWSOMP”; changed “to be used” to “that must be used”
611.1104(b)(2)(C)	141.804(b)(2)(iii)	Removed “in cases” from before “where”; changed “aircraft water system” to “AWS”
611.1104(b)(3)	141.804(b)(3)	Changed capitalized “Follow-up Sampling” to lower-case “follow-up sampling”; changed “the plan” to “the AWSOMP”; changed “in accordance with” to “that comply with”
611.1104(b)(4)	141.804(b)(4)	Changed capitalized “Training Requirements” to lower-case “training requirements”; changed “aircraft water system” to “AWS”; added “information and procedures” after “the following”
611.1104(b)(4)(C)	141.804(b)(4)(iii)	Added the ending conjunction “and”

611.1104(b)(4)(D)	141.804(b)(4)(iv)	Added “explanation of” before “public health and safety reasons”
611.1104(b)(5)	141.804(b)(5)	Changed capitalized “Procedures for Conducting Self-inspections of the Aircraft Water System” to lower-case “procedures for conducting self-inspections of the AWS”
611.1104(b)(6)	141.804(b)(6)	Changed capitalized “Procedures for Boarding Water” to lower-case “procedures for boarding water”; changed “the plan” to “the AWSOMP”
611.1104(b)(6)(A)	141.804(b)(6)(i)	Changed “in accordance with Food and Drug Administration (FDA) regulations (21 CFR part 1240, subpart E)” to “subpart E of 21 CFR 1240”; changed the ending period to a semicolon
611.1104(b)(6)(B)	141.804(b)(6)(ii)	Changed “will be transferred” to “must be transferred”; changed “that ensures it will not” to “which ensures that the water will not”; changed the ending period to a semicolon
611.1104(b)(6)(C)	141.804(b)(6)(iii)	Changed “the carrier” to “the air carrier”; changed the ending period to a semicolon and added the conjunction “and”

611.1104(b)(6)(D)	141.804(b)(6)(iv)	<p>Changed “that must be used” to “which must be used” for a subsequent restrictive relative clause; changed “in the event that” to “when”; changed “not in accordance with FDA regulations”; to “that does not comply with the requirements of subpart E of 21 CFR 1240”; added “incorporated by reference in Section 611.102” as a parenthetical offset by a comma; changed the comma before the second element of series to a semicolon after “611.102”; added “the boarded water” before “does not meet”; changed “transient non-community waste systems” to “transient non-CWS suppliers”; parenthetically added the section title “(Revised MCLs for Inorganic Chemical Contaminants” after “Section 611.301”; parenthetically added the section title “(Microbiological Contaminants” after “Section 611.325”; changed “applicable to transient non-community water systems (§§ 141.62 and 141.62, as applied to TNCWSs)” to “the the extent that these provisions apply to a transient non-CWS”; changed the comma before the third element of series to a semicolon after “non-CWS”; added “the boarded water” before “is otherwise unsafe”</p>
611.1104(b)(7)	141.804(b)(7)	<p>Changed lower-case “coliform sampling plan” to capitalized “Coliform Sampling Plan”; changed “in accordance with” to “pursuant to”</p>
611.1104(b)(8)	141.804(b)(8)	<p>Changed capitalized “Aircraft Water System Disconnect/Shutoff, or Prevent Flow of Water Through the Tap” to lower-case “AWS disconnect/shutoff, or prevent flow of water through the taps”; changed “aircraft water system” to “AWS”; changed “disconnect/shutoff” to “disconnect or shutoff”; changed “tap(s)” to “taps”</p>

611.1104(c)	141.804(c)	Changed “aircraft water system operations and maintenance plan” to “AWSOMP”; changed “by April 19, 2011” to “after April 19, 2011”
611.1104(d)	141.804(d)	Changed “aircraft water system operations and maintenance plan” to “AWSOMP”; changed “required in” to “required by”
611.1104(e)	141.804(e)	Changed “aircraft water system operations and maintenance plan” to “AWSOMP”
611.1104 Board note	141.804	Added a derivation note
611.1105 heading	141.805 heading	Changed “passengers and crew” to capitalized “Passengers and Crew”
611.1105(a)	141.805(a)	Changed plural “air carriers” to singular “an air carrier”; added “that satisfies the requirements of this Section” after “public notice”; changed “in all of the following” to “in any of the following”
611.1105(a)(1)	141.805(a)(1)	Changed “aircraft water system” to “AWS”; changed italic “ <i>E. coli</i> ” to standard typeface “E. coli” to comport with <i>Illinois Administrative Code</i> codification requirements; changed “in accordance with” to “obtained pursuant to”
611.1105(a)(2)	141.805(a)(2)	Added the indefinite article “a” before “failure”; changed “in accordance with” to “as required by”
611.1105(a)(3)	141.805(a)(3)	Added the indefinite article “a” before “failure”; changed “in accordance with” to “as required by”; changed italic “ <i>E. coli</i> ” to standard typeface “E. coli” to comport with <i>Illinois Administrative Code</i> codification requirements
611.1105(a)(4)	141.805(a)(4)	Added the indefinite article “a” before “failure” (twice); changed “in accordance with” to “as required by”; changed italic “ <i>E. coli</i> ” to standard typeface “E. coli” to comport with <i>Illinois Administrative Code</i> codification requirements; changed “in accordance with” to “as required by”

611.1105(a)(5)	141.805(a)(5)	Changed “In accordance with § 141.803(h), the air carrier becomes aware of an <i>E. coli</i> -positive event resulting from water that has been boarded from a watering point not in accordance with FDA regulations (21 CFR part 1240, subpart E), or that does not meet NPDWRs applicable to transient non-community water systems, or that is otherwise determined to be unsafe due to noncompliance with the procedures specified in § 141.804(b)(6).” to “A failure to board water from a safe watering point (<i>E. coli</i> -positive), as such is determined pursuant to Section 611.1103(h).”; changed the ending period to a semicolon
611.1105(a)(6)	141.805(a)(6)	Changed “In accordance with § 141.803(i), the air carrier becomes aware of an <i>E. coli</i> -positive event resulting from water that has been boarded from a watering point not in accordance with FDA regulations (21 CFR part 1240, subpart E), or that does not meet NPDWRs applicable to transient non-community water systems, or that is otherwise determined to be unsafe due to noncompliance with the procedures specified in § 141.804(b)(6).” to “A failure to board water from a safe watering point (<i>E. coli</i> -positive), as such is determined pursuant to Section 611.1103(i).”; changed the ending period to a semicolon and added the ending conjunction “or”
611.1105(a)(7)	141.805(a)(7)	Changed “the Administrator” to “USEPA, the Agency, a sisted state that USEPA has authorized . . . to administer the requirements of the ADWR”; changed “the carrier” to “the air carrier”
611.1105(b)	141.805(b)	Added “must fulfill the following requirements” after “public notification”
611.1105(b)(1)	141.805(b)(1)	Added “the public notification” before “must”

611.1105(b)(2)	141.805(b)(2)	Added “the public notification” before “must”
611.1105(b)(3)	141.805(b)(3)	Added “the public notification” before “must”
611.1105(b)(4)	141.805(b)(4)	Added “the public notification” before “must”; added the ending conjunction “and”
611.1105(b)(5)	141.805(b)(5)	Added “the public notification” before “must”; changed “language(s)” to “languages”; changed “non-English speaking” to fully hyphenated “non-English-speaking”; changed “population” to “segments of the population”
611.1105(c)	141.805(c)	Changed “public notification for” to “public notification given pursuant to”; changed “must meet” to “must fulfill”; added a comma before “in addition to” to offset the parenthetical; changed “paragraph (b) of this section in addition to the following” to “this subsection (c) in addition to those of subsection (b) of this Section”
611.1105(c)(2)	141.805(c)(2)	Changed “which” to “that” for a restrictive relative clause; added “the following information” after “includes”
611.1105(c)(2)(B)	141.805(c)(2)(ii)	Changed “contaminant(s)” to “contaminants”
611.1105(c)(2)(C)	141.805(c)(2)(iii)	Added “a statement describing” before “when”; added “that gave rise to the notice” after “occurred”
611.1105(c)(2)(D)	141.805(c)(2)(iv)	Added “a statement describing” before “any potential”; added “that could result” after “effects”; changed “as appropriate, under” to “as appropriate to fulfill the requirements of”
611.1105(c)(2)(E)	141.805(c)(2)(v)	Added “a statement describing” before “the population”; added “a statement describing” before “sensitive populations”
611.1105(c)(2)(F)	141.805(c)(2)(vi)	Added “a statement describing” before “what”
611.1105(c)(2)(G)	141.805(c)(2)(vii)	Added “a statement describing” before “when”
611.1105(c)(3)	141.805(c)(3)	Changed “tap(s)” to “taps”

611.1105(c)(4)	141.805(c)(4)	Changed plural “air carriers” to singular “an air carrier”; added a comma before and changed “and must continue” to “and the air carrier must continue the public notification” for an independent clause offset by a comma; changed “aircraft water system” to “AWS”
611.1105(d)	141.805(d)	Changed “notification for” to “notification given pursuant to”; changed “must meet the requirements of paragraph (c)(2) of this section in addition to the following” to “must fulfill the requirements of this subsection (d), in addition to those of subsection (b) of this Section”
611.1105(d)(2)(B)	141.805(d)(2)(ii)	Changed “a clear statement that it is not known” to “a clear statement of the failure that gave rise to the requirement for public notification—i.e., that the air carrier does not know”; changed “or a failure to perform” to “that there was a failure to perform”; changed “or water was boarded” to “that water was boarded”; changed “not in accordance with FDA regulations, or that does not meet NPDWRs . . . , or that is otherwise” to “not in accordance with subpart E of 21 CFR, 1240, incorporated by reference in Section 611.102; or that water was boarded which does not meet NPDWRs . . . , or that boarded water is otherwise”; changed “transient non-community water systems” to “transient non-CWS suppliers”
611.1105(d)(2)(C)	141.805(d)(2)(iii)	Added “a statement describing” before “when”
611.1105(d)(2)(D)	141.805(d)(2)(iv)	Added “description of” before “any potential”; changed “under” to “to fulfill the requirements of”
611.1105(d)(2)(E)	141.805(d)(2)(v)	Added “a description of” before “the population”; added “a description of” before “sensitive subpopulations”
611.1105(d)(3)	141.805(d)(3)	Changed “tap(s)” to “taps”

611.1105(d)(4)	141.805(d)(4)	Changed plural “air carriers” to singular “an air carrier”; added a comma before and changed “and must “ to “and the air carrier must continue the public notification” for an independent clause offset by a comma; changed “aircraft water system” to “AWS”
611.1105(e)	141.805(e)	Changed “notification for” to “notification given pursuant to”; changed “must meet the requirements of paragraph (b) of this section in addition to the following” to “must fulfill the requirements of this subsection (e), in addition to those of subsection (b) of this Section”
611.1105(e)(2)(B)	141.805(e)(2)(ii)	Added “that” before “there was” for a restrictive relative clause; changed “not in accordance with FDA regulations, or that does not meet NPDWRs . . . , or that is otherwise” to “not in accordance with subpart E of 21 CFR, 1240, incorporated by reference in Section 611.102; or that water was boarded which does not meet NPDWRs . . . , or that water boarded is otherwise”; changed “transient non-community water systems” to “transient non-CWS suppliers”
611.1105(e)(2)(C)	141.805(e)(2)(iii)	Changed “contaminant(s)” to “contaminants”
611.1105(e)(2)(D)	141.805(e)(2)(iv)	Added “a statement describing” before “when”
611.1105(e)(2)(E)	141.805(e)(2)(v)	Added “description of” before “any potential”; changed “under” to “to fulfill the requirements of”
611.1105(e)(2)(F)	141.805(e)(2)(vi)	Added “a description of” before “the population”; added “a description of” before “sensitive subpopulations”
611.1105(e)(3)	141.805(e)(3)	Changed “tap(s)” to “taps”
611.1105(e)(4)	141.805(e)(4)	Changed plural “air carriers” to singular “an air carrier”; added a comma before and changed “and must continue public notification“ to “and the air carrier must continue the public notification” for an independent clause offset by a comma

611.1105(f)	141.805(f)	Changed “notification for” to “notification given pursuant to”; changed “must meet the requirements of paragraph (b) of this section in addition to the following” to “must fulfill the requirements of this subsection (f), in addition to those of subsection (b) of this Section”
611.1105(f)(1)(B)	141.805(f)(1)(ii)	Changed “aircraft water system” to “AWS”
611.1105(f)(1)(C)	141.805(f)(1)(iii)	Added the ending conjunction “or”
611.1105(f)(1)(D)	141.805(f)(1)(iv)	Changed “Administrator” to “Agency”
611.1105(f)(2)	141.805(f)(2)	Changed plural “air carriers” to singular “an air carrier”; changed “by EPA” to “by USEPA, the Agency, or a sister state that USEPA has authorized pursuant to 40 CFR 142 and 42 USC 300g-2 to administer the requirements of the ADWR” changed “perform” to “undertake”; added a comma before and changed “and must continue notification” to “and the air carrier must continue the public notification” for an independent clause offset by a comma
611.1105(g)	141.805(g)	Changed “the following . . . language that corresponds to the situations” to “the appropriate of the following . . . language in response to”
611.1105(g)(1)	141.805(g)(1)	Changed italic “ <i>E. coli</i> ” to standard typeface “E. coli” to comport with <i>Illinois Administrative Code</i> codification requirements; changed “in accordance with” to “as described in”
611.1105(g)(1) certification statement	141.805(g)(1) certification statement	Changed singular “coliform are” to plural “coliforms are”; changed upper-case “INSERT NUMBER OF SAMPLES DETECTED” to lower-case “insert number of samples detected” to comport with <i>Illinois Administrative Code</i> codification requirements (all-capitalized text is reserved for quotations of statutory language); changed “they” to “these microbes”

611.1105(g)(2)	141.805(g)(2)	Changed italic " <i>E. coli</i> " to standard typeface "E. coli" to comport with <i>Illinois Administrative Code</i> codification requirements; changed "in accordance with" to "as required by"
611.1105(g)(2) certification statement	141.805(g)(2) certification statement	Changed italic " <i>E. coli</i> " to standard typeface "E. coli" (twice) to comport with <i>Illinois Administrative Code</i> codification requirements; changed "they" to "these microbes"
611.1105(g)(3)	141.805(g)(3)	Changed "in accordance with" to "as required by" (three times); removed the unnecessary conjunction "or" from before "when there is a failure"; changed italic " <i>E. coli</i> " to standard typeface "E. coli" to comport with <i>Illinois Administrative Code</i> codification requirements; changed "not in accordance with FDA regulations (21 CFR part 1240, subpart E), or that does not meet NPDWRs . . . , or that is otherwise" to "not in accordance with subpart E of 21 CFR 1240, incorporated by reference in Section 611.102; that water was boarded which does not meet NPDWRs . . . ; or that water boarded is otherwise"; changed "transient non-community waster systems" to "transient non-CWS suppliers"

611.1105(g)(3) certification statement	141.805(g)(3) certification statement	<p>Changed upper-case “[REQUIRED MONITORING AND ANALYSIS WAS NOT CONDUCTED], [REQUIRED DISINFECTION AND FLUSHING WAS NOT CONDUCTED] [WATER WAS BOARDED FROM A WATERING POINT NOT IN ACCORDANCE WITH FDA REGULATIONS (21 CR 1240 SUBPART E)], or [OTHER APPROPRIATE EXPLANATION]” to lower-case “[use the appropriate of the following alternative statements: required monitoring and analysis was not conducted, required disinfection and flushing was not conducted, water was boarded from a watering point not in accordance with subpart E of 21 CFR 1240, or other appropriate explanation]” to comport with <i>Illinois Administrative Code</i> codification requirements, combining all statements into a single pair of substitution brackets</p>
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611.1105(g)(4)	141.805(g)(4)	<p>Changed italic “<i>E. coli</i>” to standard typeface “E. coli” (twice) to comport with <i>Illinois Administrative Code</i> codification requirements; changed “in accordance with” to “as required by” preceded by a comma to offset a parenthetical ; changed “result of water that was boarded from a watering point not in accordance with FDA regulations (21 CFR part 1240, subpart E), or that does not meet NPDWRs . . . , or that is otherwise determined to be unsafe due to noncompliance with the procedures specified in § 141.804(b)(6)” to “result of water which was boarded from a watering point not in accordance with subpart E of 21 CFR 1240, incorporated by reference in Section 611.102; or water was boarded that does not meet NPDWRs . . . ; or water was boarded that is otherwise determined to be unsafe due to noncompliance with the procedures specified in Section 611.1104(b)(6), as required by subsection (a)(5) of this Section”; changed “transient non-community waster systems” to “transient non-CWS suppliers”</p>
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611.1105(g)(4) certification statement	141.805(g)(4) certification statement	Changed “aircraft water system” to “AWS”; changed italic “ <i>E. coli</i> ” to standard typeface “E. coli” (twice in each alternative statement) to comport with <i>Illinois Administrative Code</i> codification requirements; changed “they” to “these microbes” (once in each alternative statement); added the conjunction “or” between the alternative certification statements; changed capitalized “[WATER WAS BOARDED FROM A WATERING POINT NOT IN ACCORDANCE WITH FDA REGULATIONS (21 CR 1240 SUBPART E)], or [OTHER APPROPRIATE EXPLANATION]” to “[use the appropriate of the following alternative statements: water was boarded from a watering point not in accordance with subpart E of 21 CFR 1240, or other appropriate explanation]” to comport with <i>Illinois Administrative Code</i> codification requirements, combining all statements into a single pair of substitution brackets
611.1105 Board note	141.805	Added a derivation note
611.1106 heading	141.806 heading	Changed “requirements” to capitalized “Requirements”
611.1106(a)	141.806(a)	Changed “coliform sampling plan” to capitalized “Coliform Sampling Plan”; changed aircraft water system operations and maintenance plan” to “AWSOMP”
611.1106(a)(1)	141.806(a)(1)	Changed “by April 19, 2011” to “before April 19, 2011” and moved it from the end to the end as an introductory clause offset by a comma; added “the following” before and changed “to the Administrator” “to the Agency”; added an ending colon and moved the remaining text from subsection (a)(1) into two separate subsections (a)(1)(A) and (a)(1)(B)

611.1106(a)(1)(A)	141.806(a)(1)	Moved the first substantive segment of text from subsection (a)(1) into separate subsection (a)(1)(A); added “the air carrier must report” before “that it has developed”; changed “the” to “a,” capitalized the title, and added a comma and “as” to change “the coliform sampling plan required” to capitalized “a Coliform Sampling Plan, as required”; changed “aircraft water system” to “AWS”; changed “coliform sampling plan” to capitalized “Coliform Sampling Plan”; added the ending semicolon and conjunction “and”
611.1106(a)(1)(B)	141.806(a)(1)	Moved the second substantive segment of text from subsection (a)(1) into separate subsection (a)(1)(B); changed “Administrator” to “Agency”; changed “aircraft water system operations and maintenance plan” to “AWSOMP”; changed “required by § 141.804” to “as required by Section 611. 1104” offset as a parenthetical by commas
611.1106(a)(2)	141.806(a)(2)	Changed “aircraft water system” to “AWS”; removed the comma after “AWS” and changed “which” to “that” for a restrictive relative clause; changed “after publication of this subpart” to “after October 19, 2009”; added “the following” after “report”; changed “Administrator” to “Agency”; moved “within the first calendar quarter of initial operation of the aircraft” from after “identified in the coliform sampling plan” to follow “the Agency”; added an ending colon and moved the remaining text from subsection (a)(2) into two separate subsections (a)(2)(A) and (a)(2)(B)

611.1106(a)(2)(A)	141.806(a)(2)	Moved the first substantive segment of text from subsection (a)(2) into separate subsection (a)(2)(A); added “the air carrier must report” before “that it has developed”; changed “the” to “a,” capitalized the title, and added a comma and “as” to change “the coliform sampling plan required” to capitalized “a Coliform Sampling Plan, as required”; changed “coliform sampling plan” to capitalized “Coliform Sampling Plan”; added the ending semicolon and conjunction “and”
611.1106(a)(2)(B)	141.806(a)(2)	Moved the second substantive segment of text from subsection (a)(2) into separate subsection (a)(2)(B); changed “Administrator” to “Agency”; changed “aircraft water system operations and maintenance plan” to “AWSOMP”; changed “required by § 141.804” to “as required by Section 611. 1104” offset as a parenthetical by commas
611.1106(b)	141.806(b)	Changed “Administrator” to “Agency”
611.1106(b)(1)	141.806(b)(1)	Changed “by April 19, 2011” to “before April 19, 2011” and moved it from the end to the end as an introductory clause offset by a comma; added “the air carrier must report”; added “its” before “aircraft”; changed “public water systems” to “PWSs”; added the definite article “the” before “inventory”; added “required” after “information”; added “information” after “the following”
611.1106(b)(1)(B)	141.806(b)(1)(ii)	Changed “aircraft water system” to “AWS”
611.1106(b)(1)(C)	141.806(b)(1)(iii)	Changed “aircraft water system” to “AWS”
611.1106(b)(1)(D)	141.806(b)(1)(iv)	Changed “aircraft water system” to “AWS”; changed “tap(s)” to “taps”
611.1106(b)(2)	141.806(b)(2)	Added “the air carrier must report”; moved “no later than 10 days following the calendar month in which the change occurred” from after “inventory” to follow “report”; added “any” before “changes”

611.1106(b)(2)(A)	141.806(b)(2)(i)	Added “any” before “change”; added “for” before “any aircraft”; changed “the carrier’s” to “the air carrier’s”
611.1106(b)(2)(B)	141.806(b)(2)(ii)	Added “any” before “change”; changed “aircraft water system” to “AWS”; changed the ending period to a semicolon
611.1106(b)(2)(C)	141.806(b)(2)(iii)	Added “any” before “change”; changed “aircraft water system” to “AWS”; changed the ending period to a semicolon and added the ending conjunction “and”
611.1106(b)(2)(D)	141.806(b)(2)(iv)	Added “any” before “change”; changed “aircraft water system” to “AWS”; changed “tap(s)” to “taps”
611.1106(b)(3)	141.806(b)(3)	Added “the air carrier must report”; changed “coliform sampling plan” to capitalized “Coliform Sampling Plan”; changed “required under” to “required by” (twice); changed “operations and maintenance plan” to “AWSOMP”
611.1106(b)(4)	141.806(b)(4)	Added “the air carrier must report”; changed “all” to “any” and moved “within 10 days of any event (e.g., notification of positive sample result by laboratory)” from after “this subpart” to follow “report”; changed “requiring notification” to “that requires notification”; removed the unnecessary conjunction “or” from before “non-routine”; changed “information on whether” to “information as to”
611.1106(b)(5)	141.806(b)(5)	Added “the air carrier must report . . . any” before “failure”; moved “within 10 days of” from after “this subpart” to follow “report,” omitting the ending “the failure”; changed “requiring notification” to “that requires notification”; removed the unnecessary conjunction “or” from before “non-routine”; changed “information on whether” to “information as to”

611.1106(b)(6)	141.806(b)(6)	Added “the air carrier must report . . . any” before “changes”; moved “no later than 10 days following . . . calendar month in which” from after “sampling frequencies” to follow “report,” omitting the ending “the change” and moving “occurred” to follow “changes”; changed “aircraft water system operations and monitoring plan” to “AWSOMP”; changed “in accordance with” to “as required by”
611.1106(c)	141.806(c)	Changed “Administrator” to “Agency” and “within 90 days of” to “within 90 days after” and moved “to the Agency within 90 days after completion” from after “self-inspection” to follow “evidence”; changed passive-voice “whether all deficiencies were addressed” to active-voice “whether the air carrier addressed all deficiencies”; changed “Administrator” to “Agency”; changed passive-voice “if any deficiency has not been addressed” to active-voice “if the air carrier has not addressed any deficiency”; changed passive-voice “why it has not yet been addressed” to active-voice “why the air carrier has not yet addressed the deficiency”; changed “addressing it” to “addressing the deficiency”
611.1106(d)	141.806(d)	Changed “Administrator” to “Agency” (three times); changed “approves” to “has approved”
611.1106 Board note	141.806	Added a derivation note
611.1107 heading	141.807 heading	Changed “requirements” to capitalized “Requirements”
611.1107(a)	141.807(a)	Changed numeric “5” to written “five”
611.1107(a)(3)	141.807(a)(3)	Added the definite article “the” before “date”
611.1107(a)(4)	141.807(a)(4)	Added the definite article “the” before “laboratory”
611.1107(a)(5)	141.807(a)(5)	Changed “technique/method” to “technique or method”
611.1107(b)	141.807(b)	Changed numeric “5” to written “five”

611.1107(b)(2)	141.807(b)(2)	Changed italic “ <i>i.e.</i> ,” to standard typeface “i.e.,” to comport with <i>Illinois Administrative Code</i> codification requirements
611.1107(d)	141.807(d)	Changed “Administrator” to “Agency”
611.1107(e)	141.807(e)	Changed “aircraft water system operations and maintenance plan” to “AWSOMP”; changed “Administrator” to “Agency”
611.1107(f)	141.807(f)	Changed numeric “3” to written “three”
611.1107 Board note	141.807	Added a derivation note
611.1108 heading	141.808 heading	Changed “inspections” to capitalized “Inspections”
611.1108(a)	141.808(a)	Changed “Administrator” to “Agency”; added “the following” after “limited to”
611.1108(a)(1)	141.808(a)(1)	Changed singular “aircraft water system” to plural “AWSs”
611.1108(a)(2)	141.808(a)(2)	Changed “aircraft water system” to “AWS”
611.1108(a)(3)	141.808(a)(3)	Changed singular “aircraft water system” to plural “AWSs”
611.1108(b)	141.808(b)	Changed “aircraft water system” to “AWS”; changed numeric “5” to written “five”
611.1108(c)	141.808(c)	Changed “aircraft water system’s” to “AWS’s”
611.1108 Board note	141.808	Added a derivation note
611.1109 heading	141.809 heading	Changed “treatment” to capitalized “Treatment”
611.1109 Board note	141.809	Added a derivation note
611.1100 preamble	141.810 preamble	Changed “aircraft water system” to “AWS”
611.1100(a)	141.810(a)	Changed “it” to “the air carrier”; changed “§ 141.803 or § 141.804” to “Sections 611.1103 and 611.1104”; changed the ending period to a semicolon
611.1100(b)	141.810(b)	Changed “it” to “the air carrier”; changed italic “ <i>E. coli</i> ” to standard typeface “E. coli”; changed the ending period to a semicolon
611.1100(c)	141.810(c)	Changed “it” to “the air carrier”; changed the ending period to a semicolon
611.1100(d)	141.810(d)	Changed “it” to “the air carrier”; changed the ending period to a semicolon

611.1100(e)	141.810(e)	Changed “it” to “the air carrier”; changed the ending period to a semicolon and added the ending conjunction “or”
611.1100(f)	141.810(f)	Changed “it” to “the air carrier”; changed lower-case “coliform sampling plan” to capitalized “Coliform Sampling Plan”; changed “aircraft water system operations and maintenance plan” to “AWSOMP”; changed “which” to “that” and omitted the comma after “AWSOMP” for a restrictive relative clause; changed “a FAA accepted program” to “an FAA-accepted operation and maintenance program”
611.1110 Board note	141.810	Added a derivation note

**Table2:
Board Housekeeping Amendments**

Section	Source	Revision(s)
611.101 “Agency”	Board	Removed the introductory clause, “for the purposes of . . . this Part” and its offsetting comma; changed “the Department of Public Health” to the defined term “Public Health”; changed “where implementation . . . occurs” to “with regard to non-CWS suppliers”
611.101 “approved source of bottled water” Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available
611.101 “CT _{99,9} ” Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available
611.101 “40/30 certification” Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available
611.101 “groundwater system” Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available
611.101 “hydrogeologic sensitivity assessment” Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available
611.101 “inactivation ratio” Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available
611.101 “initial distribution system evaluation” Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available

611.101 “inorganic contaminants” Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available
611.101 “MFL” Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available
611.101 “mixed system” Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available
611.101 “non-transient, non-community water system”	Board	Added a comma after “non-transient”; added the alternative defined term “or ‘non-transient, non-CWS’”
611.101 “Public Health” Board note	Board	Removed the explanation of regulation of non-CWS suppliers by Public Health; replaced the introductory clause, “for the purposes of . . . this Part” and its offsetting comma with “see the definition of”; changed “must mean Public Health” to “in this Section”
611.101 “radioactive contaminants” Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available
611.101 “reliably and consistently” Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available
611.101 “sanitary survey” Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available
611.101 “significant deficiency” Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available
611.101 “special irrigation district” Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available (twice)
611.101 “standard monitoring” Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available
611.101 “SWS” Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available
611.101 “system-specific study plan” Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available
611.101 “very small system waiver” Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available
611.101 “wellhead protection program” Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available

611.101 Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available
611.102(a) “AMI Turbiwell Method”	Board	Added the definition of the short form reference and statement of availability for the method
611.102(a) “EML Procedures Manual”	Board	Changed the old title “HASL Procedure Manual” to the current title “EML Procedures Manual” (twice); changed the former source name “ERDA Health and Safety Laboratory” to the abbreviated form of the current name “USDOE, EML”; moved the entry into the newly appropriate alphabetic order
611.102(a) “Chromocult® Method”	Board	Changed the old title “Membrane Filter Technique using Chromocult Doliform Agar” to the current title “Chromocult® Method”; added the registration mark to the trademarked name “Chromocult®” (twice); moved the entry into the newly appropriate alphabetic order
611.102(a) “Guidance Manual for Filtration and Disinfection”	Board	Added the definition of the short form reference and statement of availability for the document
611.102(a) “Kelada 01”	Board	Removed the date “August 2001” and its offsetting comma; removed the USEPA document number “EPA 821/B-01/009” and its offsetting comma; changed “the National Technical Information Service (NTIS)” to “NTIS”
611.102(a) “Method ME355.01”	Board	Added the definition of the short form reference and statement of availability for the method
611.102(a) “m-ColiBlue24 Test”	Board	Reverse the appearance of sources from “Hach Company and USEPA, Water Resource Center” to “USEPA, Water Resource Center and Hach Company”
611.102(a) “Mitchell Method M5271”	Board	Added the definition of the short form reference and statement of availability for the method
611.102(a) “Mitchell Method M5331”	Board	Added the definition of the short form reference and statement of availability for the method
611.102(a) “Modified Colitag™ Method”	Board	Added the definition of the short form reference and statement of availability for the method
611.102(a) “NCRP Report Number 22”	Board	Changed the defined term from the source, “NCRP,” to the short-form title for the method, “NCRP Report Number 22”; changed the definition from the full source name, “National Council on Radiation Protection,” to the full method title, “Maximum Permissible Body Burdens and Maximum Permissible Concentrations of Radionuclides in Air and in Water for Occupational Exposure”; added the statement of availability “available from NCRP” as a parenthetical offset by a comma

611.102(a) "NTIS"	Board	Removed the redundant definition of the short-form for the method source, which is defined by usage in the subsection (b) listing of "NTIS"
611.102(a) "Palintest ChloroSense"	Board	Added the definition of the short form reference and statement of availability for the method
611.102(a) "Readycult® 2000"	Board	Changed the short-form method title "Readycult Coliforms 100 Presence/Absence Test" to "Readycult® 2000"; added the registration mark to the trademarked name "Readycult®" (twice); added the version number "v. 1.0" offset by a comma; moved the entry into the newly appropriate alphabetic order
611.102(a) "Readycult® 2007"	Board	Added the definition of the short form reference and statement of availability for the method
611.102(a) "Radiochemical Methods"	Board	Removed the duplicative short-form method title in favor of the separately listed title "USEPA Interim Radiochemical Methods"
611.102(a) "Systea Easy (1-Reagent)"	Board	Added the definition of the short form reference and statement of availability for the method
611.102(a) "Radiochemical Methods"	Board	Removed the duplicative short-form method title in favor of the separately listed title "USEPA Interim Radiochemical Methods"
611.102(a) "Technical Notes on Drinking Water Methods"	Board	Removed the unnecessary short-form reference
611.102(a) "USDOE Manual"	Board	Removed the now-obsolete short-form reference title, which is changed to "EML Procedures Manual"
611.102(a) "USEPA Asbestos Method 100.1"	Board	Changed "referred to as 'USEPA Asbestos Methods-100.1'" to "USEPA Asbestos Method 100.1"
611.102(a) "USEPA Asbestos Method 100.2"	Board	Changed "referred to as 'USEPA Asbestos Methods-100.2'" to "USEPA Asbestos Method 100.2"
611.102(a) "USEPA Environmental Inorganic Methods"	Board	Changed plural "Inorganics" to "Inorganic" in the short-form method title
611.102(a) "USEPA NERL Method 415.3 (rev. 1.2)"	Board	Added the definition of the short form reference and statement of availability for the method
611.102(a) "USEPA NERL Method 549.2"	Board	Added the definition of the short form reference and statement of availability for the method

611.102(a) "USEPA OGWDW Methods"	Board	Deleted "one of" from before "the methods"; added "302.0" to the series offset by a comma; added "334.0" to the series offset by a comma; added "524.3 (rev. 1.0)" to the series offset by a comma; added "557" to the series offset by a comma; added the statement of availability "Available from NTIS; USEPA, NSCEP; or USEPA, OGWDW."
611.102(a) "USEPA Organic Methods"	Board	Changed "(July 1991)" to "December 1988 (revised July 1991)"; changed the comma and "for" before to parentheses the methods listing (four times); removed "502.2" and the offsetting comma from the methods listing; removed "505" and the offsetting comma from the methods listing; removed "507" and the offsetting comma from the methods listing; removed "508" and the offsetting comma from the methods listing; changed "508A" to "508A (rev. 1.0)"; removed the comma and moved the conjunction "and" from after to before "515.1"; changed "515.1" to "515.1 (rev. 4.0)"; removed "506" and the offsetting comma from the methods listing; removed the conjunction "and" from after to before "550.1"; removed "551" and the offsetting comma from the methods listing; removed "504.1" and the offsetting comma from the methods listing; removed "508.1" and the offsetting comma from the methods listing; removed "515.2" and the offsetting comma from the methods listing; removed "524.2" and the offsetting comma from the methods listing; removed "525.2" and the offsetting comma from the methods listing; changed "548.1" to "548.1 (rev. 1.0)"; removed "549.1" and the offsetting comma from the methods listing; changed "552.1" to "552.1 (rev. 1.0)"; removed "552.2" and the offsetting comma from the methods listing; changed "552.1" to "552.1 (rev. 1.0)"; changed "555" to "555 (rev. 1.0)"; changed "502.2" to "502.2 (rev. 2.1)"; added "504.1 (rev. 1.1)" to the series offset by a comma; added "505 (rev. 2.1)" to the series offset by a comma; added "506 (rev. 1.1)" to the series offset by a comma; added "507 (rev. 2.1)" to the series offset by a comma; added "508 (rev. 3.1)" to the series offset by a comma; added "508.1 (rev. 2.0)" to the series offset by a comma; added "515.2 (rev. 1.1)" to the series offset by a comma; changed "524.2" to "524.2 (rev. 4.1)"; added "525.2 (rev. 2.0)" to the series offset by a comma; added "531.1 (rev. 3.1)" to the series offset by a comma; changed "551.1"

		to “551.1 (rev. 1.0)””; changed “552.2” to “552.2 (rev. 1.0)””; added the statement of availability “Available from NTIS; USEPA, NSCEP; or USEPA, EMSL.”
611.102(a) “USEPA Radiochemistry Procedures”	Board	Changed the short-form method title “USEPA Radiochemistry Methods” to “USEPA Radiochemistry Procedures”
611.102(a) “USEPA Technical Notes”	Board	Added “and USEPA, NSCEP” to the statement of availability
611.102(b) “American Society for Microbiology,” “Evaluation of Enterolert for Enumeration of Enterococci in Recreational Waters”	Board	Changed “D 6503-99” to “D6503-99” (twice)
611.102(b) “AWWA,” “Standard Methods, 19th ed.,” “Method 5310 B”	Board	Added the previously omitted incorporation by reference
611.102(b) “AWWA,” “Standard Methods, 19th ed.,” “Method 5310 C”	Board	Added the previously omitted incorporation by reference
611.102(b) “AWWA,” “Standard Methods, 19th ed.,” “Method 5310 D”	Board	Added the previously omitted incorporation by reference
611.102(b) “AWWA,” “Standard Methods, 20th ed.,” “Method 5310 B”	Board	Added the previously omitted incorporation by reference
611.102(b) “AWWA,” “Standard Methods, 20th ed.,” “Method 5310 C”	Board	Added the previously omitted incorporation by reference
611.102(b) “AWWA,” “Standard Methods, 20th ed.,” “Method 5310 D”	Board	Added the previously omitted incorporation by reference
611.102(b) “AWWA,” “Standard Methods, 19th ed.,” “Method 9223”	Board	Removed the unnecessary comma from after “611.526” that separated a two-element series

611.102(b) "AWWA," "Standard Methods, 20th ed.," "Method 9223"	Board	Replaced the comma after "611.526" with the conjunction "and" to separated a two-element series
611.102(b) "AWWA," "Standard Methods, 20th ed.," "Method 9223 B"	Board	Added the entry "611.526" and the offsetting comma to the list of sections for which the newly approved alternative method is incorporated by reference; added the comma before "and 611.1004" to offset the last element of the series
611.102(b) "AWWA," "Standard Methods, 21st ed.," "Method 6640 B"	Board	Added the entry for incorporation by reference of the newly approved alternative method
611.102(b) "AWWA," "Standard Methods, 21st ed.," Board note	Board	Added a cross-reference to the Boar note explanation of citation only to Standard Methods, 21st ed. where USEPA cites a method as available from Standard Methods Online and the USEPA-cited version of the method appears in Standard Methods, 21st ed.
611.102(b) "AWWA," "Standard Methods, 21st ed.," "Method 9223 B"	Board	Added the entry "611.526" and the offsetting comma to the list of sections for which the newly approved alternative method is incorporated by reference; added the comma before "and 611.1004" to offset the last element of the series
611.102(b) "AWWA" Board note	Board	Changed "at www.standardmethods.org" to "
611.102(b) "ASTM," "ASTM Method D511-09 A and B"	Board	Added the entry for incorporation by reference of the newly approved alternative method
611.102(b) "ASTM," "ASTM Method D1253-96"	Board	Changed "reapproved" to "approved"
611.102(b) "ASTM," "ASTM Method D1253-03"	Board	Changed "reapproved" to "approved"
611.102(b) "ASTM," "ASTM Method D1253-03"	Board	Added the entry for incorporation by reference of the newly approved alternative method
611.102(b) "ASTM," "ASTM Method D1688-07 A or C"	Board	Added the entry for incorporation by reference of the newly approved alternative method
611.102(b) "ASTM," "ASTM Method D2460-07"	Board	Added the entry for incorporation by reference of the newly approved alternative method

611.102(b) "ASTM," "ASTM Method D2972-08 B or C"	Board	Added the entry for incorporation by reference of the newly approved alternative method
611.102(b) "ASTM," "ASTM Method D3454-97"	Board	Changed "D3454-91" to "D3454-97"; changed "1991" to "1997"
611.102(b) "ASTM," "ASTM Method D3454-05"	Board	Added the entry for incorporation by reference of the newly approved alternative method
611.102(b) "ASTM," "ASTM Method D3559-08 D"	Board	Added the entry for incorporation by reference of the newly approved alternative method
611.102(b) "ASTM," "ASTM Method D3645-08 B"	Board	Added the entry for incorporation by reference of the newly approved alternative method
611.102(b) "ASTM," "ASTM Method D3649-06"	Board	Added the entry for incorporation by reference of the newly approved alternative method
611.102(b) "ASTM," "ASTM Method D3697-07"	Board	Added the entry for incorporation by reference of the newly approved alternative method
611.102(b) "ASTM," "ASTM Method D3859-08 A"	Board	Added the entry for incorporation by reference of the newly approved alternative method
611.102(b) "ASTM," "ASTM Method D4107-08"	Board	Added the entry for incorporation by reference of the newly approved alternative method
611.102(b) "ASTM," "ASTM Method D4785-93"	Board	Changed "D4785-88" to "D4785-93"; changed "1988" to "1993"
611.102(b) "ASTM," "ASTM Method D4785-98"	Board	Changed "D4785-00a" to "D4785-98"; changed "2000" to "1998"
611.102(b) "ASTM," "ASTM Method D4785-08"	Board	Added the entry for incorporation by reference of the newly approved alternative method
611.102(b) "ASTM," "ASTM Method D5174-97"	Board	Changed "D5174-91" to "D5174-97"; changed "1991" to "1997"
611.102(b) "ASTM," "ASTM Method D5174-07"	Board	Added the entry for incorporation by reference of the newly approved alternative method

611.102(b) "ASTM," "ASTM Method D6581-08 A and B"	Board	Added the entry for incorporation by reference of the newly approved alternative method
611.102(b) "Bran & Luebbe," "Fluoride in Water and Wastewater" (#129-71W)	Board	Changed the colon after "Methods" to a comma"; updated the <i>Code of Federal Regulations</i> citation to the latest version available
611.102(b) "Bran & Luebbe," "Fluoride in Water and Wastewater" (#380-75WE)	Board	Changed the colon after "Methods" to a comma"; updated the <i>Code of Federal Regulations</i> citation to the latest version available
611.102(b) "CPI International, Inc.," "Modified Colitag™ Method"	Board	Added the entry for incorporation by reference of the newly approved alternative method
611.102(b) "EMD Chemicals Inc.," "Chromocult® Method"	Board	Added the registration mark to the trademarked name "Chromocult®"; added the short-form method title "Chromocult® Method"; changed "Section 611.526" to "Sections 611.526 and 611.802"
611.102(b) "EMD Chemicals Inc.," "Readycult® 2000"	Board	Added the short-form method title "referred to as Readycult® 2000" in parentheses
611.102(b) "EMD Chemicals Inc.," "Readycult® 2007"	Board	Added the entry for incorporation by reference of the newly approved alternative method
611.102(b) "ERDA"	Board	Deleted the obsolete reference in favor of the current source "USDOT, EML" for what is now called "EML Procedures Manual"
611.102(b) "H & E Testing Laboratory"	Board	Added the entry for incorporation by reference of the newly approved alternative method "Method ME355.01, Revision 1"
611.102(b) "Leck Mitchell, PhD, PE"	Board	Added the entry for incorporation by reference of the newly approved alternative methods "Mitchell Method ME5271" and "Mitchell Method M5331"
611.102(b) "NCRP," "NCRP Report Number 22"	Board	Added the short-form method title "NCRP Report Number 22" before the full method title "Maximum Permissible Body Burdens and Maximum Permissible Concentrations of Radionuclides in Air and in Water for Occupational Exposure"

611.102(b) "NEMI"	Board	Added the entry as an alternative source of the newly approved alternative methods "AMI Turbiwell Method," "Method ME355.01, Revision 1," "Mitchell Method ME5271," "Mitchell Method M5331," "Modified Colitag™ Method," "Orion Method AQ4500," "Palintest ChloroSense," and "Systea Easy (1-Reagent) Nitrate Method"
611.102(b) "NTIS," "Dioxin and Furan Method 1613, Revision B"	Board	Changed the name from "Method 1613: Tetra-through Octa-Chlorinated . . . Analysis" to "Method 1613, 'Tetra- through Octa-Chlorinated . . . Analysis'," to agree with the format of other USEPA methods, and moved the method to the changed location in the alphabetic listing
611.102(b) "NTIS," "Kelada 01"	Board	Removed the parentheses, changed "referred to as 'Kelada 01'" to "Kelada 01," and moved the short-form method title from after "EPA 821/B-01-009" to before the full method title "Kelada Automated Test Methods for Total Cyanide, Acid Dissociable Cyanide, and Thiocyanate"
611.102(b) "NTIS," "USEPA Asbestos Method 100.1"	Board	Removed the parentheses, changed "referred to as 'USEPA Asbestos Methods-100.1'" to "USEPA Asbestos Method 100.1," and moved the short-form method title from after "PB83-260471" to before the full method title "Analytical Method for Determination of Asbestos in Water"; added the statement of alternative availability, "See also USEPA, NSCEP."; moved the entry to the changed alphabetic position
611.102(b) "NTIS," "USEPA Asbestos Method 100.2"	Board	Removed the parentheses, changed "referred to as 'USEPA Asbestos Methods-100.2'" to "USEPA Asbestos Method 100.2," and moved the short-form method title from after "PB94-201092" to before the full method title "Determination of Asbestos Structures over 10 mm in Length in Drinking Water"; added the statement of alternative availability, "See also USEPA, NSCEP."; moved the entry to the changed alphabetic position

611.102(b) "NTIS," "USEPA Environmental Inorganic Methods"	Board	Removed the parentheses, changed "referred to as 'USEPA Environmental Inorganic Methods'" to "USEPA Environmental Inorganic Methods," and moved the short-form method title from after "PB94-121811" to before the full method title "Methods for the Determination of Inorganic Substances in Environmental Samples"; corrected the document number "PB94-120821" to "PB94-121811"; removed "for" from before, capitalized "Methods," removed "for" from before, added "only" after, and added revision numbers to change the methods listing "For methods 180.1, 300.0, 335.4, 353.2, and 365.1" to "Methods 180.1 (rev. 2.0), 300.0 (rev. 2.1), 335.4 (rev. 1.0), 353.2 (rev. 2.0), and 365.1 (rev. 2.0) only"; added the statement of alternative availability "See also USEPA, NSCEP."; moved the entry to the changed alphabetic position
611.102(b) "NTIS," "USEPA Environmental Metals Methods"	Board	Removed the obsolete reference to "'Methods for the Determination of Metals in Environmental Samples,' June 1991, . . . and"; removed the parentheses, changed "referred to as 'USEPA Environmental Metals Methods'" to "USEPA Environmental Metals Methods," and moved the short-form method title from after "PB84-128677" to before the full method title "Methods for the Determination of Metals in Environmental Samples—Supplement I"; removed "for" from before, added "only" after, and added revision numbers to change the methods listing "For methods 200.7, 200.8, 200.9, and 245.1" to "Methods 200.7 (rev. 4.4), 200.8 (rev. 5.3), 200.9 (rev. 2.2), and 245.1 (rev. 3.0) only"; moved the entry to the changed alphabetic position
611.102(b) "NTIS," "USEPA Inorganic Methods"	Board	Removed the parentheses, changed "referred to as 'USEPA Inorganic Methods'" to "USEPA Inorganic Methods," and moved the short-form method title from after "PB84-128677" to before the full method title "Methods for Chemical Analysis of Water and Wastes"; removed "for" from before, added "only" after the methods listing "Methods 150.1, 150.2, and 245.2"; added the statement of alternative availability "See also USEPA, NSCEP."; moved the entry to the changed alphabetic position

611.102(b) "NTIS," "USEPA Interim Radiochemical Methods"	Board	Removed the parentheses, changed "referred to as 'USEPA Interim Radiochemical Methods'" to "USEPA Interim Radiochemical Methods," and moved the short-form method title from after "March 1976" to before the full method title "Interim Radiochemical Methodology for Drinking Water"; added "Doc. No. PB253258" offset as a parenthetical by commas after "EPA 600/4-75-008 (revised)"; removed "for" from before, added "only" after the methods listing, corrected method numbers to change "For methods 900, 901, 901.1, 902, 903, 903.1, 904, 905, 906, 908, 908.1" to "Methods 900.0, 901.0, 901.1, 902.0, 903.0, 903.1, 904.0, 905.0, 906.0, 908.0, 908.1"; added the statement of alternative availability "See also USEPA, NSCEP."; removed the unnecessary parenthetical listing of page numbers, "(Pages 1, 4, 6, 9, 13, 16, 24, 29, 34)" since the entire document is incorporated by reference; moved the entry to the changed alphabetic position
611.102(b), "NTIS," "OGWDW Methods, Method 326.0"	Board	Changed the short-form method name "USEPA Method 326.0, Revision 1.0" to "USEPA OGWDW Methods, Method 326.0, Revision 1.0" to agree with the format of other USEPA methods; removed "USEPA" and the offsetting comma after the full method title; removed the parenthetical statement of the short-form method title "(referred to as 'OGWDW Methods, Method 326.0, rev. 1.0')"; moved the method to the changed location in the alphabetic listing
611.102(b) "NTIS," "USEPA Organic and Inorganic Methods"	Board	Removed the parentheses, changed "referred to as 'USEPA Organic and Inorganic Methods'" to "USEPA Organic and Inorganic Methods," and moved the short-form method title from after "PB2000-106981" to before the full method title "Methods for the Determination of Organic and Inorganic Compounds in Drinking Water, Volume 1"; removed "for" from before, added "only" after the methods listing to change "For methods 300.1 and 321.8" to "Methods 300.1 (rev. 1.0) and 321.8 (rev. 1.0) only"; added the statement of alternative availability "See also USEPA, NSCEP."; moved the entry to the changed alphabetic position
611.102(b) "NTIS," "USEPA Organic Methods"	Board	Combined all four USEPA Organic Methods references into a single reference; removed the parentheses, changed "referred to as 'USEPA Organic and Inorganic Methods'" to "USEPA Organic and Inorganic Methods," and moved the short-form method title from after "PB91-231480" to before the first full method title

		<p>“Methods for the Determination of Organic Compounds in Drinking Water”; removed “for” from before, added “only” after the methods listing, removed methods 502.2, 505, 507, 508, and 531.1, and added method version numbers to the remaining methods to change “For methods 506, 547, 550, 550.1, and 551” to “Methods 508A (rev. 1.0) and 515.1 (rev. 4.0) only”; removed “for” from before, added “only” after the methods listing, and removed methods 506 and 551 to change “For methods 506, 547, 550, 550.1, and 551” to “Methods 547, 550, and 550.1 only”; removed “for” from before, added “only” after the methods listing, removed methods 515.2, 524.2 and 549.1, and added method version numbers to the remaining methods to change “For methods 515.2, 524.2, 548.1, 549.1, 552.1, and 555” to “Methods 548.1 (rev. 1.0), 552.1 (rev. 1.0), and 555 (rev. 1.0) only”; removed “for” from before, added “only” after the methods listing, added methods 504.1, 505, 506, 507, 508, 508.1, 515.2, 524.2, 525.2, and 531.1, and added method version numbers to the methods to change “For methods 502.2, 524.2, 551.1, and 552.2” to “Methods 502.2 (rev. 2.1), 504.1 (rev. 1.1), 505 (rev. 2.1), 506 (rev. 1.1), 507 (rev. 2.1), 508 (rev. 3.1), 508.1 (rev. 2.0), 515.2 (rev. 1.1), 524.2 (rev. 4.1), 525.2 (rev. 2.0), 531.1 (rev. 3.1), 551.1 (rev. 1.0), and 552.2 (rev. 1.0) only”; added the statement of alternative availability “See also USEPA, NSCEP.”; moved the entry to the changed alphabetic position</p>
611.102(b) “NTIS,” “USEPA Radioactivity Methods”	Board	<p>Removed the parentheses, changed “referred to as ‘USEPA Radioactivity Methods’” to “USEPA Radioactivity Methods,” and moved the short-form method title from after “PB80-224744” to before the full method title “Prescribed Procedures for Measurement of Radioactivity in Drinking Water”; removed “for” from before, added “only” after the methods listing, corrected method numbers to change “For methods 900, 901, 901.1, 902, 903, 903.1, 904, 905, 906, 908, 908.1” to “Methods 900.0, 901.0, 901.1, 902.0, 903.0, 903.1, 904.0, 905.0, 906.0, 908.0, 908.1”; added the statement of alternative availability “See also USEPA, NSCEP.”; moved the entry to the changed alphabetic position</p>

611.102(b) "NTIS," "USEPA Radiochemical Analyses"	Board	Removed the parentheses, changed "referred to as 'USEPA Radiochemical Analyses'" to "USEPA Radiochemical Analyses," and moved the short-form method title from after "Doc. No. EMSL LV 053917" to before the full method title "Interim Radiochemical Methodology for Drinking Water"; Changed "Pages 1, 19, 33, 65, 87, 92" to "Pages 1-5, 19-32, 33-48, 65-73, 87-91, and 92-95 only"; moved the entry to the changed alphabetic position
611.102(b) "NTIS," "USEPA Radiochemistry Procedures"	Board	Removed the parentheses, changed "referred to as 'USEPA Radiochemistry Methods'" to "USEPA Radiochemistry Procedures," and moved the short-form method title from after "PB84-215581" to before the full method title "Radiochemistry Procedures Manual"; added "only" after the methods listing "Methods Methods 00-01, 00-02, 00-07, H-02, Ra-03, Ra-04, Ra-05, Sr-04"; moved the entry to the changed alphabetic position
611.102(b) "NTIS," "USEPA Technical Notes"	Board	Removed the parentheses, changed "referred to as 'USEPA Technical Notes'" to "USEPA Technical Notes," and moved the short-form method title from after "PB95-104766" to before the full method title "Technical Notes on Drinking Water Methods"; corrected "611.685" to "611.645"; added the statement of alternative availability "See also USEPA, NSCEP."; moved the entry to the changed alphabetic position
611.102(b), "NTIS" Board note	Board	Added explanation of the alternative availability of many document from NSCEP
611.102(b) "Palintest, Ltd.," "Palintest Method 1001"	Board	Removed the parentheses, changed "referred to as 'Palintest Method 1001'" to "Palintest Method 1001," and moved the short-form method title from after "August 1999" to before the full method title "Lead in Drinking Water by Differential Pulse Anodic Stripping Voltammetry"
611.102(b) "Palintest, Ltd.," "Palintest Chlorosense"	Board	Added the entry as an alternative source for the newly approved alternative method
611.102(b) "Standard Methods Online" Board note	Board	Added explanation of citation only to Standard Methods, 21st ed. where USEPA cites a method as available from Standard Methods Online and the USEPA-cited version of the method appears in Standard Methods, 21st ed.

611.102(b) "USDOE, EML"	Board	Added the abbreviated source name "USDOE, EML" before the full name "United States Department of Energy, Environmental Measurements Laboratory"; removed "available at the" from before "Environmental Measurements Laboratory"
611.102(b) "USDOE, EML," "EML Procedures Manual (27th ed.)"	Board	Added the document number "HASL 300" offset by a comma after the document title "EML Procedures Manual"; changed the short-form method title "USDOE Manual" to "EML Procedures Manual," followed by the edition number "(27th ed.)" in parentheses.
611.102(b) "USDOE, EML," "EML Procedures Manual (28th ed.)"	Board	Added the previously omitted reference to the methods manual
611.102(b), "USEPA, EMSL"	Board	Added "USEPA, EMSL." as the listing heading; changed "EMSL" to "Environmental Monitoring and Support Laboratory"; moved the listing (and subsidiary listing of available documents) to the appropriate order in the alphabetic listing of sources
611.102(b) "USEPA, EMSL," "USEPA Interim Radiochemical Methods"	Board	Removed the parentheses, changed "referred to as 'USEPA Interim Radiochemical Methods'" to "USEPA Interim Radiochemical Methods," and moved the short-form method title from after "March 1976" to before the full method title "Interim Radiochemical Methodology for Drinking Water"; changed "See NTIS" to "See also NTIS"; moved the entry to the changed alphabetic position
611.102(b) "USEPA, EMSL," "USEPA Organic Methods"	Board	Added the three supplements and combined all four USEPA Organic Methods references into a single reference; removed the parentheses, changed "referred to as 'USEPA Organic and Inorganic Methods'" to "USEPA Organic and Inorganic Methods," and moved the short-form method title from after "EPA 600/4-88/039" to before the full method title "Methods for the Determination of Organic Compounds in Drinking Water"; removed "for" from before, removed methods 504.1, 508.1, and 525.2, and added method version numbers to the remaining methods to change "For methods 504.1, 508.1, and 525.2 only" to "Methods 508A (rev. 1.0) and 515.1 (rev. 4.0) only"; changed the statement of alternative availability "See NTIS" to "See also NTIS and USEPA, NSCEP."; moved the entry to the changed alphabetic position

611.102(b), "USEPA, NSCEP," "Guidance Manual for . . . Surface Water Sources"	Board	Added the method as available from this alternative source; updated the edition from "October 1989" to "March 1991"
611.102(b), "USEPA, OGWDW"	Board	Added "USEPA, OGWDW." as the listing heading; changed "United States Environmental Protection Agency" to the defined abbreviated form "USEPA"
611.102(b), "USEPA, OGWDW," "Method 317.0"	Board	Changed "Revision" to abbreviated, lower-case "rev."; omitted the parenthetical short-form method name "(referred to as 'OGWDW Methods, Method 317.0, rev. 2.0')"; changed "Sections 611.381 and 611.382" to "Section 611.381"; added statement of alternative availability "See also USEPA, NSCEP."
611.102(b), "USEPA, OGWDW," "Method 326.0"	Board	Changed "Revision" to abbreviated, lower-case "rev."; omitted the parenthetical short-form method name "(referred to as 'OGWDW Methods, Method 326.0, rev. 1.0')"; changed "Sections 611.381 and 611.382" to "Section 611.381"; added statement of alternative availability "See also NTIS and USEPA, NSCEP."
611.102(b), "USEPA, OGWDW," "Method 326.0" Board note	Board	Removed the now redundant statement of alternative availability
611.102(b), "USEPA, OGWDW," "Method 327.0"	Board	Changed "Revision" to abbreviated, lower-case "rev."; omitted the parenthetical short-form method name "(referred to as 'OGWDW Methods, Method 327.0, rev. 1.1')"; added statement of alternative availability "See also USEPA, NSCEP."
611.102(b), "USEPA, OGWDW," "Method 515.4"	Board	Changed "Revision" to abbreviated, lower-case "rev."; omitted the parenthetical short-form method name "(referred to as 'OGWDW Methods, Method 515.4, rev. 1.0')"
611.102(b), "USEPA, OGWDW," "Method 531.2"	Board	Changed "Revision" to abbreviated, lower-case "rev."; omitted the parenthetical short-form method name "(referred to as 'OGWDW Methods, Method 531.2, rev. 1.0')"; added statement of alternative availability "See also USEPA, NSCEP."
611.102(b), "USEPA, OGWDW," "Method 552.3"	Board	Changed "Revision" to abbreviated, lower-case "rev."; omitted the parenthetical short-form method name "(referred to as 'OGWDW Methods, Method 552.3, rev. 1.0')"
611.102(b), "USEPA, OGWDW," "Method 1622 (05)"	Board	Omitted the parenthetical short-form method name "(referred to as 'OGWDW Methods, Method 1622 (05)'"

611.102(b), "USEPA, OGWDW," "Method 1622 (01)"	Board	Omitted the parenthetical short-form method name "(referred to as 'OGWDW Methods, Method 1622 (01)')"; added statement of alternative availability "See also USEPA, NSCEP."
611.102(b), "USEPA, OGWDW," "Method 1622 (99)"	Board	Omitted the parenthetical short-form method name "(referred to as 'OGWDW Methods, Method 1622 (99)')"
611.102(b), "USEPA, OGWDW," "Method 1623 (05)"	Board	Omitted the parenthetical short-form method name "(referred to as 'OGWDW Methods, Method 1623 (05)')"
611.102(b), "USEPA, OGWDW," "Method 1623 (01)"	Board	Omitted the parenthetical short-form method name "(referred to as 'OGWDW Methods, Method 1623 (01)')"
611.102(b), "USEPA, OGWDW," "Method 1623 (99)"	Board	Omitted the parenthetical short-form method name "(referred to as 'OGWDW Methods, Method 1623 (99)')"
611.102(b), "USEPA, OGWDW" Board note	Board	Added explanation of the alternative availability of many documents from NSCEP
611.102(b), "USEPA, ORD"	Board	Added "USEPA, ORD." as the listing heading
611.102(b), "USEPA, ORD," "USEPA NERL Method 200.5"	Board	Changed "USEPA Method 200.5" to "USEPA NERL Method 200.5"; changed "Revision" to abbreviated, lower-case "rev."; deleted the parenthetical short-form method name "(referred to as 'USEPA NERL Method 200.5')"
611.102(b), "USEPA, ORD," "USEPA NERL Method 415.3, rev. 1.1"	Board	Changed "USEPA Method 415.3, Revision 1.1" to "USEPA NERL Method 415.3, rev. 1.1"; deleted the parenthetical short-form method name "(referred to as 'USEPA NERL Method 415.3 (rev. 1.2)')"
611/102(b) "USEPA Water Resource Center," "E*Colite Test"	Board	Added the short-form method name "E*Colite Test" before the full title "Charm E*Colite Presence/Absence Test for Detection and Identification of Coliform Bacteria and Escherichia coli in Drinking Water"; deleted the parenthetical short-form method name "(referred to as '"; deleted the parenthetical short-form method name "(referred to as 'E*Colite Test')"; added a period after "Section 611.802"; removed the parentheses and changed the statement of alternative availability "(also available from Charm Sciences, Inc.)" to "See also Charm Sciences, Inc."

611/102(b) "USEPA Water Resource Center," "m-ColiBlue24 Test"	Board	Added the short-form method name "m-ColiBlue24 Test" before the full title "Total Coliforms and E. coli Membrane Filtration Method with m-ColiBlue24® Broth"; deleted the parenthetical short-form method name "(referred to as '"; deleted the parenthetical short-form method name "(referred to as 'm-ColiBlue24 Test')"; added a period after "Section 611.802"; removed the parentheses and changed the statement of alternative availability "(also available from Charm Sciences, Inc.)" to "See also The Hach Company"
611/102(b) "USEPA Water Resource Center," "USEPA Method 1600"	Board	Added the short-form method name "EPA Method 1600" before the full method title "EPA Method 1600: Enterococci in Water by Membrane Filtration Using Membrane-Enterococcus Indoxyl-b-D-Glucoside Agar (mEI)"; deleted the parenthetical short-form method name "(referred to as '"; deleted the parenthetical short-form method name "(referred to as 'USEPA Method 1600')"
611/102(b) "USEPA Water Resource Center," "USEPA Method 1601"	Board	Added the short-form method name "EPA Method 1601" before the full method title "Method 1601: Male-specific (F ⁺) and Somatic Coliphage in Water by Two-step Enrichment Procedure"; deleted the parenthetical short-form method name "(referred to as '"; deleted the parenthetical short-form method name "(referred to as 'USEPA Method 1601')"
611/102(b) "USEPA Water Resource Center," "USEPA Method 1602"	Board	Added the short-form method name "EPA Method 1602" before the full method title "Method 1602: Male-specific (F ⁺) and Somatic Coliphage in Water by Single Agar Layer (SAL) Procedure"; deleted the parenthetical short-form method name "(referred to as '"; deleted the parenthetical short-form method name "(referred to as 'USEPA Method 1602')"
611/102(b) "USEPA Water Resource Center," "USEPA Method 1604"	Board	Added the short-form method name "EPA Method 1604" before the full method title "Method 1604: Total Coliforms and <i>Escherichia coli</i> in Water by Membrane Filtration Using a Simultaneous Detection Technique (MI Medium)"; deleted the parenthetical short-form method name "(referred to as '"; deleted the parenthetical short-form method name "(referred to as 'USEPA Method 1604')"
611.102(c) "40 CFR 3.2"	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available
611.102(c) "40 CFR 3.3"	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available

611.102(c) “40 CFR 3.10”	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available
611.102(c) “40 CFR 3.2000”	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available
611.102(c) “40 CFR 136.3(a)”	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available
611.102(c) “Appendix A to 40 CFR 136”	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available
611.102(c) “40 CFR 142.20(b)(1)”	Board	Added the incorporation of the federal regulation cited in Section 611.112
611.105(a)(2)(B)(iii)	Board	Corrected “C.F.R.” to “CFR” (twice)
611.105(a) Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available, including deletion of an obsolete <i>Federal Register</i> citation to later amendments
611.105(c) Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available, including deletion of an obsolete <i>Federal Register</i> citation to later amendments
611.105(d) Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available, including deletion of an obsolete <i>Federal Register</i> citation to later amendments
611.105(e) Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available, including deletion of an obsolete <i>Federal Register</i> citation to later amendments
611.105(g) Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available, including deletion of an obsolete <i>Federal Register</i> citation to later amendments
611.105 Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available, including deletion of an obsolete <i>Federal Register</i> citation to later amendments
611.111 preamble	Board	Changed “35-37” to “35 through 37” (twice); changed “22-28” to “27 and 28”

611.111 Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available; added “(42 USC 300g-4(a)(1)(A) and (a)(1)(B))” after “section 1415(a)(1)(A) and (a)(1)(B) of the SDWA”; changed the full document title “Guidance Manual for Compliance with the Filtration and Disinfection Requirements for Public Water Systems using Surface Water Sources” to the Board’s short-form method title “Guidance Manual for Filtration and Disinfection”; added “and available from USEPA, NSCEP” after “incorporated . . . Section 611.102”; changed “USEPA has reserved the discretion to review and potentially nullify Board determinations made pursuant to this Section as 40 CFR 142.23 (2005)” to “USEPA has established a procedure, at 40 CFR 142.23 (2009), to review and potentially modify or nullify state determinations granting relief from NPDWRs . . . in a substantial number of instances”
611.112 preamble	Board	Changed “35-37” to “35 through 37” (twice); changed “22-28” to “27 and 28”
611.112(b)(4) Board note	Board	Added “incorporated . . . in Section 611. 102(c)” as a parenthetical offset by a comma
611.111 Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available; changed “USEPA has reserved the discretion to review and potentially nullify Board determinations made pursuant to this Section as 40 CFR 142.23 (2005)” to “USEPA has established a procedure, at 40 CFR 142.23 (2009), to review and potentially modify or nullify state determinations granting relief from NPDWRs . . . in a substantial number of instances”
611.381(b)(1)(A)(i)	Board	Added “(rev. 2.1)” to the method number “502.1”
611.381(b)(1)(A)(ii)	Board	Added “(rev. 4.1)” to the method number “524.2”
611.381(b)(1)(A)(iii)	Board	Added “(rev. 1.0)” to the method number “551.1”
611.381(b)(1)(B)(i) Board note	Board	Changed “USEPA later added Method 6251 B from the 21st edition of Standard Methods . . . 40 CFR 141, added on June 3, 2008 (at 73 Fed. Reg. 31616)” to USEPA added Standard Methods, 21st ed., Method 6251 B . . . 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616),” deleted the explanation of the Board’s citation to the 21st edition, rather than to Standard Methods Online, following USEPA’s January 4, 2006 amendments, and moved the note material to a new Board note at subsection (b)(1)(B) that consolidates all information relative to approved alternative methods into a single Board note

611.381(b)(1)(B)(ii)	Board	Added “(rev. 1.0)” to the method number “552.1”
611.381(b)(1)(B)(iii)	Board	Added “(rev. 1.0)” to the method number “552.1”; corrected the short-form method title from “552.3” to “USEPA OGWDW Methods, Method 552.3 (rev. 1.0)”
611.381(b)(1)(B) Board note	Board	Revised and moved the explanation of USEPA’s approval of Standard Methods, 21st ed., Method 6251 B from the note removed after subsection (b)(1)(B)(i) to a centralized note explaining all of USEPA’s approvals of alternative methods for HAA5 in a single note
611.381(b)(1)(C)(i)	Board	Added “(rev. 1.0)” to the method number “300.1”
611.381(b)(1)(C)(ii)	Board	Changed 317.0, rev. 2.0” to 317.0 (rev. 2.0)”; changed 326.0, rev. 1.0” to 326.0 (rev. 1.0)”
611.381(b)(1)(C)(iii)	Board	Added “(rev. 1.0)” to the method number “321.8”
611.381(b)(1)(D)(i) Board note	Board	Changed “USEPA later added Method 4500-ClO ₂ E from the 21st edition of Standard Methods . . . 40 CFR 141, added on June 3, 2008 (at 73 Fed. Reg. 31616)” to USEPA added Standard Methods, 21st ed., Method 4500-ClO ₂ E . . . 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616),” deleted the explanation of the Board’s citation to the 21st edition, rather than to Standard Methods Online, following USEPA’s January 4, 2006 amendments, and moved the note material to a new Board note at subsection (b)(1)(D) that consolidates all information relative to approved alternative methods into a single Board note
611.381(b)(1)(D)(ii)	Board	Changed 327.0, rev. 1.1” to 327.0 (rev. 1.1)”
611.381(b)(1)(D)(iii)	Board	Added “(rev. 2.1)” to the method number “300.0”; added “(rev. 1.0)” to the method number “300.1”; changed 317.0, rev. 2.0” to 317.0 (rev. 2.0)”; changed 326.0, rev. 1.0” to 326.0 (rev. 1.0)”
611.381(b)(1)(D) Board note	Board	Revised and moved the explanation of USEPA’s approval of Standard Methods, 21st ed., 4500-ClO ₂ E from the note removed after subsection (b)(1)(D)(i) to a centralized note explaining all of USEPA’s approvals of alternative methods for chlorite in a single note
611.381(c)(1)(A)(i)	Board	Added a colon after “amperometric titration,” removing “using”; corrected “1253-86” to “D1253-86”; corrected “1253-96” to “D1253-96” corrected “1253-03” to “D1253-03”
611.381(c)(1)(A)(ii)	Board	Added a colon after “DPD ferrous titration,” removing “using”
611.381(c)(1)(A)(iii)	Board	Added a colon after “DPD colorimetric,” removing “using”
611.381(c)(1)(A)(iv)	Board	Added a colon after “Syringaldazine (FACTS),” removing “using”

611.381(c)(1)(A) Board note	Board	Added the revised information specific to free chlorine from the Board note removed from subsections (c)(1) and (c)(2)(A), "USEPA added Standard Methods, 21st ed., Methods 4500-Cl D, F, G, and H . . . for free chlorine in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616)"
611.381(c)(1)(B)(i)	Board	Added a colon after "amperometric titration," removing "using"; corrected "1253-86" to "D1253-86"; corrected "1253-96" to "D1253-96" corrected "1253-03" to "D1253-03"
611.381(c)(1)(B)(ii)	Board	Added a colon after "DPD ferrous titration," removing "using"
611.381(c)(1)(B)(iii)	Board	Added a colon after "DPD colorimetric," removing "using"
611.381(c)(1)(B) Board note	Board	Added the revised information specific to free chlorine from the Board note removed from subsection (c)(1), "USEPA added Standard Methods, 21st ed., Methods 4500-Cl D, F, and G . . . for total chlorine in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616)"
611.381(c)(1)(C)(i)	Board	Added a colon after "amperometric titration," removing "using"; corrected "1253-86" to "D1253-86"; corrected "1253-96" to "D1253-96" corrected "1253-03" to "D1253-03"
611.381(c)(1)(C)(ii)	Board	Added a colon after "low-level amperometric titration," removing "using"
611.381(c)(1)(C)(iii)	Board	Added a colon after "DPD ferrous titration," removing "using"
611.381(c)(1)(C)(iv)	Board	Added a colon after "DPD colorimetric," removing "using"
611.381(c)(1)(C)(v)	Board	Added a colon after "iodometric electrode," removing "using"
611.381(c)(1)(C) Board note	Board	Added the revised information specific to free chlorine from the Board note removed from subsection (c)(1), "USEPA added Standard Methods, 21st ed., Methods 4500-Cl D, E, F, G, H and I . . . for chlorite in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616)"
611.381(c)(1)(D)(i)	Board	Added a colon after "DPD," removing "using"
611.381(c)(1)(D)(ii)	Board	Added a colon after "Amperometric Method II," removing "using"
611.381(c)(1)(D)(iii)	Board	Added a colon after "Lissamine Green spectrophotometric," removing "using"

611.381(c)(1)(D) Board note	Board	Added the revised information specific to free chlorine from the Board note removed from subsection (c)(1), “USEPA added Standard Methods, 21st ed., Methods 4500-ClO ₂ D, and E . . . for chlorine dioxide in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616)”
611.381(c)(1) Board note	Board	Changed “USEPA later added Method 4500-Cl D, E, F, G, H, or I or Method 4500-ClO ₂ E from the 21st edition of Standard Methods . . . in appendix A to subpart C of 40 CFR 141, added on June 3, 2008 (at 73 Fed. Reg. 31616)” to “USEPA added Standard Methods, 21st ed., Methods 4500-Cl D, F, G, and H . . . for free chlorine in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616),” in the Board note appended to subsection (c)(1)(A), “USEPA added Standard Methods, 21st ed., Methods 4500-Cl D, F, and G . . . for total chlorine in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616),” in the Board note appended to subsection (c)(1)(B), to “USEPA added Standard Methods, 21st ed., Methods 4500-Cl D, E, F, G, H and I . . . for chlorite in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616),” in the Board note appended to subsection (c)(1)(C), and to “USEPA added Standard Methods, 21st ed., Methods 4500-Cl D, and E . . . for chlorine dioxide in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616),” in the Board note appended to subsection (c)(1)(D); deleted the explanation of the Board’s citation to the 21st edition, rather than to Standard Methods Online, following USEPA’s January 4, 2006 amendments, and moved the divided note material to new Board notes appended to each of subsections (c)(1)(A) through (c)(1)(D) that consolidates separately sets forth the information specific to each disinfectant residual in an individual Board note
611.381(c)(2)	Board	Moved “Test strips” to subsection (c)(2)(A) and replaced it with the heading to “Alternative methods available only upon specific approval by the Agency”
611.381(c)(2)(A)	Board	Moved “Test strips” to act as a method description, followed by a colon before “ITS Method D99-003”

611.381(c)(2)(A)	Board	Added “for free chlorine” after “alternative method”; added “contingent upon specific state approval” as a parenthetical offset by a comma after “(at 73 Fed. Reg. 31616)”; added “The Board has opted to provide that the Agency can grant such approvals on a case-by-case basis using the SEPA mechanism.”
611.381(c)(2)(B)	Board	Added “by an SEP issued pursuant to Section 611.110” after “the Agency” as a parenthetical offset by commas
611.381(d)(2)(A)	Board	Added “(rev. 2.1)” to the method number “300.0”
611.381(d)(2)(B)	Board	Added “(rev. 1.0)” to the method number “300.1”
611.381(d)(3)(A)	Board	Restructured the subsection to organize the material by method type, consistent with other methods listings; moved “Standard Methods, 19th, 20th, or 21st ed.” to subsection (d)(20(A)(i) and replaced it with “high-temperature combustion”
611.381(d)(3)(A)(i)	Board	Restructured the subsection to organize the material by method type, consistent with other methods listings; moved “Standard Methods, 19th, 20th, or 21st ed.” to subsection (d)(20(A)(i) and replaced it with “high-temperature combustion”
611.381(d)(3)(A)(ii)	Board	Moved the reference to Standard Methods, Method 5310 C to subsection (d)(3)(B)(i), changed capitalized “Persulfate Ultraviolet or Heated-Persulfate Oxidation Method” to lower-case “persulfate ultraviolet or heated-persulfate oxidation,” removed the parentheses, and moved it to subsection (d)(3)(B) to become a method description heading
611.381(d)(3)(A)(iii)	Board	Moved the reference to Standard Methods, Method 5310 D to subsection (d)(3)(C)(i), changed capitalized “Wet Oxidation Method” to lower-case “wet oxidation,” removed the parentheses, and moved it to subsection (d)(3)(C) to become a method description heading
611.381(d)(3)(A) Board note	Board	Changed “USEPA later added Method 5310 B, C, or D from the 21st edition of Standard Methods . . . 40 CFR 141, added on June 3, 2008 (at 73 Fed. Reg. 31616)” to USEPA added Standard Methods, 21st ed., Methods 5310 B, C, or D . . . 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616),” deleted the explanation of the Board’s citation to the 21st edition, rather than to Standard Methods Online, following USEPA’s January 4, 2006 amendments, and moved the note material to a new Board note at subsection (d)(3) that consolidates all information relative to approved alternative methods into a single Board note

611.381(d)(3)(B)	Board	Renumbered the former material as subsection (d)(3)(D); added the method description, as revised and moved from subsection (d)(3)(A)(ii)
611.381(d)(3)(B)(i)	Board	Added the short-form method designation, as revised and moved from subsections (d)(3)(A) and (d)(3)(A)(ii)
611.381(d)(3)(C)	Board	Renumbered the former material as subsection (d)(3)(E); added the method description, as revised and moved from subsection (d)(3)(A)(iii)
611.381(d)(3)(C)(i)	Board	Added the short-form method designation, as revised and moved from subsections (d)(3)(A) and (d)(3)(A)(iii)
611.381(d)(3)(D)	Board	Renumbered the subsection from subsection (d)(3)(B); added the method description “specific UV ₂₅₄ absorbance” followed by a colon before the short-form method title “USEPA NERL Methods 415.3 (rev. 1.1) or 415.3 (rev. 1.2)” changed from “USEPA NERL Method 415.3 (rev. 1.1)”
611.381(d)(3)(E)	Board	Renumbered the subsection from subsection (d)(3)(C)
611.381(d)(3)Board note	Board	Revised and moved the explanation of USEPA’s approval of Standard Methods, 21st ed., 5310 B, C, and D from the note removed after subsection (d)(3)(A) to a centralized note explaining all of USEPA’s approvals of alternative methods for total organic carbon in a single note
611.381(d)(4)(A)	Board	Changed the reference to “Standard Methods, 19th ed., 20th ed., or 21st ed., Method 5310 B (High Temperature Combustion Method) . . . or NERL Method 415.3 (rev. 1.1)” to “high temperature combustion: Standard Methods, 19th, 20th, or 21st ed., Method 5310 C or NERL Method 415.3 (rev. 1.1)” and moved it to subsection (d)(4)(A)(i), changed the reference to “Standard Methods, 19th ed., 20th ed., or 21st ed., . . . Method 5310 C (Persulfate-Ultraviolet or Heated-Persulfate Oxidation Method) . . . or NERL Method 415.3 (rev. 1.1)” to “persulfate-ultraviolet or heated-persulfate oxidation: Standard Methods, 19th, 20th, or 21st ed., Method 5310 C or NERL Method 415.3 (rev. 1.1)” and moved it to subsection (d)(4)(A)(ii), and changed the reference to “Standard Methods, 19th ed., 20th ed., or 21st ed., . . . Method 5310 D (Wet-Oxidation Method) . . . or NERL Method 415.3 (rev. 1.1)” to “wet oxidation: Standard Methods, 19th, 20th, or 21st ed., Method 5310 D or NERL Method 415.3 (rev. 1.1)”; changed the ending semicolon to a period and removed the ending conjunction “and”

611.381(d)(4)(A)(i)	Board	Added the method description, “high temperature combustion,” as revised and moved from subsection (d)(4)(A); added the short-form method designations, “Standard Methods, 19th, 20th, or 21st ed., Method 5310 B or NERL Method 415.3 (rev. 1.1),” as revised and moved from subsection (d)(4)(A)
611.381(d)(4)(A)(ii)	Board	Added the method description, “persulfate-ultraviolet or heated-persulfate oxidation,” as revised and moved from subsection (d)(4)(A); added the short-form method designations, “Standard Methods, 19th, 20th, or 21st ed., Method 5310 C or NERL Method 415.3 (rev. 1.1),” as revised and moved from subsection (d)(4)(A)
611.381(d)(4)(A)(iii)	Board	Added the method description, “wet oxidation,” as revised and moved from subsection (d)(4)(A); added the short-form method designations, “Standard Methods, 19th, 20th, or 21st ed., Method 5310 D or NERL Method 415.3 (rev. 1.1),” as revised and moved from subsection (d)(4)(A)
611.381(d)(4)(A) Board note	Board	Deleted the explanation of the Board’s citation to the 21st edition, rather than to Standard Methods Online, following USEPA’s January 4, 2006 amendments; changed “USEPA later added Method 5310 B, C, or D from the 21st edition of Standard Methods . . . 40 CFR 141, added on June 3, 2008 (at 73 Fed. Reg. 31616)” to USEPA added Standard Methods, 21st ed., Methods 5310 B, C, or D . . . 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616)”
611.381(d)(4)(B)	Board	Added “by spectrometry” after “ultraviolet absorption at 154 nm (UV ₂₅₄)” followed by a colon for the method description; added “Standard Methods, 19th, 20th, or 21st ed.” and an offsetting comma before “5910 B”; removed the redundant designation “(Ultraviolet Absorption Method)” from after the method designation “Method 5910 B”
611.381(d)(4)(B) Board note	Board	Deleted the explanation of the Board’s citation to the 21st edition, rather than to Standard Methods Online, following USEPA’s January 4, 2006 amendments; changed “USEPA later added Method 5310 B, C, or D from the 21st edition of Standard Methods . . . 40 CFR 141, added on June 3, 2008 (at 73 Fed. Reg. 31616)” to USEPA added Standard Methods, 21st ed., Methods 5310 B, C, or D . . . 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616)”

611.381 Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available, including deletion of an obsolete <i>Federal Register</i> citation to later amendments
611.381(b)(3)(B)(ii)	Board	Removed the unnecessary version number “(rev. 2.0)” from the method number “317.0”; removed the unnecessary version number “(rev. 1.0)” from the method number “326.0”
611.382 Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available, including deletion of an obsolete <i>Federal Register</i> citation to later amendments
611.526(c)(1)	Board	Changed the colon to a comma after “21st ed.”
611.526(c)(2)	Board	Changed the colon after “21st ed.” to a comma
611.526(c)(3)	Board	Changed the colon after “21st ed.” to a comma
611.526(c)(4)	Board	Changed the colon after “21st ed.” to a comma
611.526(c)(5) Board note	Board	Changed the colon after “Methods” to a comma
611.526(c)(8)	Board	Changed “Readycult Coliforms 100 Presence/Absence Test” to the revised short-form method designation “Readycult® 2000”
611.526(c)(9)	Board	Changed “Membrane Filter Technique using Chromocult Coliform Agar” to the revised short-form method designation “Chromocult® Method”
611.526(c) Board note	Board	Deleted the explanation of the Board’s citation to the 21st edition, rather than to Standard Methods Online, following USEPA’s March 12, 2007 amendments; changed “USEPA later added Methods 9221 A, B, and D; 9222 A, B, and C; and 9223 from the 21st edition of Standard Methods . . . 40 CFR 141, added on June 3, 2008 (at 73 Fed. Reg. 31616)” to “USEPA added Standard Methods, 21st ed., Methods 9221 A, B, and D; 9222 A, B, and C; and 9223 . . . 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616)”
611.526(e)(3)	Board	Changed the colon after “21st ed.” to a comma
611.526(f)(2)	Board	Changed the colon after “21st ed.” to a comma (twice)
611.526(f)(8)	Board	Changed “Readycult Coliforms 100 Presence/Absence Test” to the revised short-form method designation “Readycult® 2000”
611.526(f)(9)	Board	Changed “Membrane Filter Technique using Chromocult Coliform Agar” to the revised short-form method designation “Chromocult® Method”
611.526(g)	Board	Removed the unnecessary comma after “coliform-positive, MUG-negative”

611.526 Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available, including deletion of an obsolete <i>Federal Register</i> citation to later amendments
611.531(a)	Board	Changed “shall do” to “must conduct analyses”
611.531(a)(1)	Board	Added “the supplier must” before “conduct”; changed “analyses of” to “analyses for”
611.531(a)(2)	Board	Added “the supplier must” before “conduct”; changed “analyses of” to “analyses for”
611.531(a)(2)(A)(i)	Board	Changed the colon after “21st ed.” to a comma
611.531(a)(2)(A)(ii)	Board	Changed the colon after “21st ed.” to a comma
611.531(a)(2)(A)(iii) Board Note	Board	Changed the colon after “Methods” to a comma
611.531(a)(2)(A) Board note	Board	Added explanation of USEPA’s addition of Standard Methods, 21st ed., Methods 9221 A, B, and C; 9222 A, B, and C; and 9223 as approved alternative methods for total coliform in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616).
611.531(a)(2)(B)(i)	Board	Changed the colon after “21st ed.” to a comma
611.531(a)(2)(B)(ii)	Board	Changed the colon after “21st ed.” to a comma
611.531(a)(2)(B) Board note	Board	Added explanation of USEPA’s addition of Standard Methods, 21st ed., Methods 9221 E and 9222 D as approved alternative methods for fecal coliform in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616).
611.531(a)(2)(C)	Board	Changed the colon after “21st ed.” to a comma
611.531(a)(2)(C) Board note	Board	Added explanation of USEPA’s addition of Standard Methods, 21st ed., Method 9215 B as an approved alternative method for heterotrophic bacteria in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616).
611.531(a)(2)(D)(i)	Board	Changed the colon after “21st ed.” to a comma
611.531(a)(2)(D)(ii)	Board	Changed the colon after “Methods” to a comma; added “(rev. 2.0)” after “180.1”
611.531(a)(2)(A) Board note	Board	Added the revised information specific to total coliforms from the Board note removed from subsection (a)(2), “USEPA added Standard Methods, 21st ed., Methods 9221 A, B, and C; 9222 A, B, and C; and 9223 for total coliforms in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616)”

611.531(a)(2)(B) Board note	Board	Added the revised information specific to fecal coliforms from the Board note removed from subsection (a)(2), “USEPA added Standard Methods, 21st ed., Methods 9221 E and 9222 D for fecal coliforms in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616)”
611.531(a)(2)(C) Board note	Board	Added the revised information specific to heterotrophic bacteria from the Board note removed from subsection (a)(2), “USEPA added Standard Methods, 21st ed., Methods 9215 B for heterotrophic bacteria in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616)”
611.531(a)(2)(D) Board note	Board	Added the revised information specific to turbidity from the Board note removed from subsection (c)(1), “USEPA added Standard Methods, 21st ed., Method 9130 B for turbidity in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616)”
611.531(a)(2)(E)	Board	Changed the colon after “21st ed.” to a comma

611.531(a)(2) Board note	Board	<p>Changed “USEPA later added 2130 B; Method 9215 B; Method 9221 A, B, C, and E; Method 9222 A, B, C, and D; and Method 9223 from the 21st edition of Standard Methods as an approved alternative method for in appendix A to subpart C of 40 CFR 141, added on June 3, 2008 (at 73 Fed. Reg. 31616)” to “USEPA added Standard Methods, 21st ed., Methods 9221 A, B, and C; 9222 A, B, and C; and 9223 as approved alternative methods for total coliform in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616),” in the Board note appended to subsection (a)(2)(A), “USEPA added Standard Methods, 21st ed., Methods 9221 E and 9222 D as approved alternative methods for fecal coliforms in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616),” for fecal coliforms in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616),” in the Board note appended to subsection (a)(2)(B), to “USEPA added Standard Methods, 21st ed., Method 9215 B as an approved alternative method for heterotrophic bacteria in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616),” in the Board note appended to subsection (a)(2)(C), and to “USEPA added Standard Methods, 21st ed., Method 9130 B as an approved alternative method for turbidity in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616),” in the Board note appended to subsection (a)(2)(D); deleted the explanation of the Board’s citation to the 21st edition, rather than to Standard Methods Online, following USEPA’s March 12, 2007 amendments, and moved the divided note material to new Board notes appended to each of subsections (a)(2)(A) through (a)(2)(D) that consolidates separately sets forth the information specific to each microbiological contaminant in an individual Board note</p>
611.531(b)(1)(A)(ii)	Board	Changed “D 1253-03” to “D1253-03”
611.531(b)(1)(B)	Board	Changed the colon after “21st ed.” to a comma
611.531(b)(1)(C)	Board	Changed the colon after “21st ed.” to a comma
611.531(b)(1)(D)	Board	Changed the colon after “21st ed.” to a comma

611.531(b)(1) Board note	Board	Added explanation of USEPA's addition of Standard Methods, 21st ed., Methods 4500-CI D, F, G, and H; Method 4500-CIO ₂ C and E as approved alternative methods for free chlorine in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616) as revised and moved from the Board note formerly attached to subsection (b).
611.531(b)(2)(A)(ii)	Board	Changed "D 1253-03" to "D1253-03"
611.531(b)(2)(B)	Board	Changed the colon after "21st ed." to a comma
611.531(b)(2)(C)	Board	Changed the colon after "21st ed." to a comma
611.531(b)(2)(D)	Board	Changed the colon after "21st ed." to a comma
611.531(b)(2)(E)	Board	Changed the colon after "21st ed." to a comma
611.531(b)(2) Board note	Board	Added explanation of USEPA's addition of Standard Methods, 21st ed., Method 4500-CI D, E, F, G, and I as approved alternative methods for total chlorine in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616) as revised and moved from the Board note formerly attached to subsection (b).
611.531(b)(3)(A)	Board	Changed the colon after "21st ed." to a comma
611.531(b)(3)(B)	Board	Changed the colon after "21st ed." to a comma
611.531(b)(3) Board note	Board	Added explanation of USEPA's addition of Standard Methods, 21st ed., Method 4500-CIO ₂ C, D, and E; and Method 4500-O ₃ B as approved alternative methods for chlorine dioxide in appendix A to subpart C of 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616).
611.531(b)(3)(C)	Board	Added "(rev. 1.1)" after "327.0"
611.531(b)(4)	Board	Changed the colon after "21st ed." to a comma
611.531(b) Board Note	Board	Deleted the explanation of the Board's citation to the 21st edition, rather than to Standard Methods Online, following USEPA's March 12, 2007 amendments; changed "USEPA later added Methods 9221 A, B, and D; 9222 A, B, and C; and 9223 from the 21st edition of Standard Methods . . . 40 CFR 141, added on June 3, 2008 (at 73 Fed. Reg. 31616)" to "USEPA added Standard Methods, 21st ed., Methods 4500-CI D, F, G, and H; Method 4500-CIO ₂ C and E . . . 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616)," in the new note appended to subsection (b)(1), to "USEPA added Standard Methods, 21st ed., Methods 4500-CI D, E, F, G, and I . . . 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616)," in the new note appended to subsection (b)(1), to "USEPA added Standard Methods, 21st ed., Method 4500-CIO ₂ C, D, and E and Method 4500-O ₃ B . . . 40 CFR 141 on June 3, 2008 (at 73 Fed. Reg. 31616)"

611.531 Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available, including deletion of an obsolete <i>Federal Register</i> citation to later amendments
611.611(a)(1)(A)(ii)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(1)(A)(ii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(1) in its entirety
611.611(a)(1)(B)	Board	Changed the colon after “Methods” to a comma
611.611(a)(1) Board note	Board	Appended “USEPA added Standard Methods, 21st ed., Method 2320 B” before the text “as an approved method . . . (at 73 Fed. Reg. 31616)” moved from the former note appended to subsection (a)(1)(A)(ii); added “for alkalinity” after “alternative method”
611.611(a)(2)(A)	Board	Changed the colon after “Methods” to a comma; added “(rev. 5.3)” after “200.8”
611.611(a)(2)(C)	Board	Changed the colon after “Methods” to a comma; added “(rev. 2.2)” after “200.9”
611.611(a)(2)(D)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(2)(D) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online relative to the March 12, 2007 USEPA amendments; changed “USEPA later added Method 3113 B from the 21st edition of Standard Methods” to “Standard Methods, 21st ed., Method 3113 B,” removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the text in the new note appended to subsection (a)(2)
611.611(a)(2)(E)	Board	Changed “USEPA Method 200.5” to the Board’s short-form method designation “USEPA NERL Method 200.5”
611.611(a)(2)(E) Board note	Board	Changed “this method” to “USEPA NERL Method 200.5”; added “for antimony” after “alternative method” and placed the text in the new note appended to subsection (a)(2)
611.611(a)(2) Board note	Board	Appended “USEPA added Standard Methods, 21st ed., Method 3113 B as an approved method . . . (at 73 Fed. Reg. 31616)” moved from the former note appended to subsection (a)(2)(D); added “for antimony” after “alternative method”
611.611(a)(3)(A)	Board	Changed the colon after “Methods” to a comma; added “(rev. 5.3)” after “200.8”

611.611(a)(3)(B)	Board	Changed the colon after “Methods” to a comma; added “(rev. 2.2)” after “200.9”
611.611(a)(3)(C)(i)	Board	Changed “2972-03 C” to “D 2972-03 C”
611.611(a)(3)(C)(ii)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(3)(C)(ii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(3) in its entirety
611.611(a)(3)(D)(i)	Board	Changed “2972-03 C” to “D 2972-03 C”
611.611(a)(3)(D)(ii)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(3)(D)(ii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(3) in its entirety
611.611(a)(3)(E)	Board	Changed “USEPA Methods: Method 200.5” to the defined name “USEPA NERL Method 200.5”
611.611(a)(3)(E) Board note	Board	Removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(3) in its entirety
611.611(a)(3) Board note	Board	Appended “USEPA added Standard Methods, 21st ed., Method 3113 B and 3114 B and USEPA NERL Method 200.5” before the text “as approved methods . . . (at 73 Fed. Reg. 31616)” moved from the former notes appended to subsections (a)(3)(C)(ii), (a)(3)(D)(ii), and (a)(3)(E); changed singular “as an approved method” to plural “as approved methods”; added “for arsenic” after “alternative method”
611.611(a)(4)	Board	Changed “USEPA Asbestos Methods-100.1 or USEPA Asbestos Methods-100.2” to “USEPA Asbestos Method 100.1 or USEPA Asbestos Method 100.2”
611.611(a)(5)(A)(i)	Board	Changed the colon after “Methods” to a comma; added “(rev. 4.4)” after “200.7”
611.611(a)(5)(A)(ii)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(5)(A)(ii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(5) in its entirety

611.611(a)(5)(B)	Board	Changed the colon after “Methods” to a comma; added “(rev. 5.3)” after “200.8”
611.611(a)(5)(C)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(5)(C) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(5) in its entirety
611.611(a)(5)(D)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(5)(D) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(5) in its entirety
611.611(a)(5)(E)	Board	Changed “USEPA Methods: Method 200.5” to Board’s short-form method designation “USEPA NERL Method 200.5”
611.611(a)(5)(E) Board note	Board	Removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(5) in its entirety
611.611(a)(5) Board note	Board	Appended “USEPA added Standard Methods, 21st ed., Method 3111D, 3113 B, and 3120 B and USEPA NERL Method 200.5” before the text “as approved methods . . . (at 73 Fed. Reg. 31616)” moved from the former notes appended to subsections (a)(5)(A)(ii), (a)(5)(C), (a)(5)(D), and (a)(5)(E); changed singular “as an approved method” to plural “as approved methods”; added “for barium” after “alternative method”
611.611(a)(6)(A)(i)	Board	Changed the colon after “Methods” to a comma; added “(rev. 4.4)” after “200.7”
611.611(a)(6)(A)(ii)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(6)(A)(ii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(6) in its entirety
611.611(a)(6)(B)	Board	Changed the colon after “Methods” to a comma; added “(rev. 5.3)” after “200.8”
611.611(a)(6)(C)	Board	Changed the colon after “Methods” to a comma; added “(rev. 2.2)” after “200.9”
611.611(a)(6)(D)(ii)	Board	Changed the colon after “21st ed.” to a comma

611.611(a)(6)(D)(ii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(6) in its entirety
611.611(a)(6)(E)	Board	Changed “USEPA Methods: Method 200.5” to the defined name “USEPA NERL Method 200.5”
611.611(a)(6)(E) Board note	Board	Removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(6) in its entirety
611.611(a)(6) Board note	Board	Appended “USEPA added Standard Methods, 21st ed., Method 3111D, 3113 B, and 3120 B and USEPA NERL Method 200.5” before the text “as approved methods . . . (at 73 Fed. Reg. 31616)” moved from the former notes appended to subsections (a)(6)(A)(ii), (a)(6)(D)(ii), and (a)(6)(E); changed singular “as an approved method” to plural “as approved methods”; added “for beryllium” after “alternative method”
611.611(a)(7)(A)	Board	Changed the colon after “Methods” to a comma; added “(rev. 4.4)” after “200.7”
611.611(a)(7)(B)	Board	Changed the colon after “Methods” to a comma; added “(rev. 5.3)” after “200.8”
611.611(a)(7)(C)	Board	Changed the colon after “Methods” to a comma; added “(rev. 2.2)” after “200.9”
611.611(a)(7)(D)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(7)(D) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(7) in its entirety
611.611(a)(7)(E)	Board	Changed “USEPA Methods: Method 200.5” to the defined name “USEPA NERL Method 200.5”
611.611(a)(7)(E) Board note	Board	Removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(7) in its entirety

611.611(a)(7) Board note	Board	Appended “USEPA added Standard Methods, 21st ed., Method 3113 B and USEPA NERL Method 200.5” before the text “as approved methods . . . (at 73 Fed. Reg. 31616)” moved from the former notes appended to subsections (a)(7)(D) and (a)(7)(E); changed singular “as an approved method” to plural “as approved methods”; added “for cadmium” after “alternative method”
611.611(a)(8)(A)(ii)	Board	Changed the colon after “19th ed.” to a comma; changed the colon after “21st ed.” to a comma
611.611(a)(8)(A)(ii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(8) in its entirety
611.611(a)(8)(B)(ii)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(8)(B)(ii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(8) in its entirety
611.611(a)(8)(C)(i)	Board	Changed the colon after “Methods” to a comma; added “(rev. 4.4)” after “200.7”
611.611(a)(8)(C)(ii)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(8)(C)(ii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(8) in its entirety
611.611(a)(8)(E)	Board	Changed “USEPA Methods: Method 200.5” to the defined name “USEPA NERL Method 200.5”
611.611(a)(8)(E) Board note	Board	Removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(8) in its entirety

611.611(a)(8) Board note	Board	Appended “USEPA added Standard Methods, 21st ed., Method 3111D, 3113 B, and 3120 B and USEPA NERL Method 200.5” before the text “as approved methods . . . (at 73 Fed. Reg. 31616)” moved from the former notes appended to subsections (a)(8)(A)(ii), (a)(8)(B)(ii), (a)(8)(C)(ii), and (a)(8)(E); changed singular “as an approved method” to plural “as approved methods”; added “for calcium” after “alternative method”
611.611(a)(9)(A)(i)	Board	Changed the colon after “Methods” to a comma; added “(rev. 4.4)” after “200.7”
611.611(a)(9)(A)(ii)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(9)(A)(ii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(9) in its entirety
611.611(a)(9)(B)	Board	Changed the colon after “Methods” to a comma; added “(rev. 5.3)” after “200.8”
611.611(a)(9)(C)	Board	Changed the colon after “Methods” to a comma; added “(rev. 2.2)” after “200.9”
611.611(a)(9)(D)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(9)(D) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(9) in its entirety
611.611(a)(9)(E)	Board	Changed “USEPA Methods: Method 200.5” to the defined name “USEPA NERL Method 200.5”
611.611(a)(9)(E) Board note	Board	Removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(9) in its entirety
611.611(a)(9) Board note	Board	Appended “USEPA added Standard Methods, 21st ed., Method 3111D and 3120 B and USEPA NERL Method 200.5” before the text “as approved methods . . . (at 73 Fed. Reg. 31616)” moved from the former notes appended to subsections (a)(9)(A)(ii), (a)(9)(D), and (a)(9)(E); changed singular “as an approved method” to plural “as approved methods”; added “for chromium” after “alternative method”
611.611(a)(10)(A)(ii)	Board	Changed the colon after “21st ed.” to a comma

611.611(a)(10)(A)(ii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(10) in its entirety
611.611(a)(10)(B)(i)	Board	Corrected “1688-02 A” to “D1688-02 A”
611.611(a)(10)(B)(ii)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(10)(B)(ii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(10) in its entirety
611.611(a)(10)(C)(i)	Board	Changed the colon after “Methods” to a comma; added “(rev. 4.4)” after “200.7”
611.611(a)(10)(C)(ii)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(10)(C)(ii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(10) in its entirety
611.611(a)(10)(D)	Board	Changed the colon after “Methods” to a comma; added “(rev. 5.3)” after “200.8”
611.611(a)(10)(E)	Board	Changed the colon after “Methods” to a comma; added “(rev. 2.2)” after “200.9”
611.611(a)(10)(F)	Board	Changed “USEPA Methods: Method 200.5” to the defined name “USEPA NERL Method 200.5”
611.611(a)(10)(F) Board note	Board	Removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(10) in its entirety
611.611(a)(10) Board note	Board	Appended “USEPA added Standard Methods, 21st ed., Method 3111B, 3113 B, and 3120 B and USEPA NERL Method 200.5” before the text “as approved methods . . . (at 73 Fed. Reg. 31616)” moved from the former notes appended to subsections (a)(10)(A)(ii), (a)(10)(B)(ii), (a)(10)(C)(ii), and (a)(10)(F); changed singular “as an approved method” to plural “as approved methods”; added “for copper” after “alternative method”
611.611(a)(11)(B)	Board	Changed the colon after “21st ed.” to a comma

611.611(a)(11)(B) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(11) in its entirety
611.611(a)(11) Board note	Board	Appended “USEPA added Standard Methods, 21st ed., Method 2510 B” before the text “as an approved method . . . (at 73 Fed. Reg. 31616)” moved from the former note appended to subsection (a)(11)(B); added “for corrosivity” after “alternative method”
611.611(a)(12)(A)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(12)(A)(i)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(12)(A)(i) Board note	Board	Removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(12) in its entirety
611.611(a)(12)(A)(ii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(12) in its entirety
611.611(a)(12)(B)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(12)(B)(i)	Board	Corrected “2036-06 A” to “D2036-06 A”
611.611(a)(12)(B)(ii)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(12)(B)(ii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(12) in its entirety
611.611(a)(12)(C)	Board	Added “(rev. 1.0)” after “335.4”
611.611(a)(12)(D)(ii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(12) in its entirety
611.611(a)(12)(B)(iii)	Board	Changed the colon after “Methods” to a comma
611.611(a)(12)(C)	Board	Changed the colon after “Methods” to a comma; added “(rev. 1.0)” after “335.4”
611.611(a)(12)(D)	Board	Changed the colon after “21st ed.” to a comma

611.611(a)(12) Board note	Board	Appended “USEPA added ASTM Method D2036-06 B and Standard Methods, 21st ed., Methods 4500-CN E, F, and G” before the text “as approved methods . . . (at 73 Fed. Reg. 31616)” moved from the former notes appended to subsections (a)(12)(A)(i), (a)(12)(A)(ii), (a)(12)(B)(ii), and (a)(12)(D); changed singular “as an approved method” to plural “as approved methods”; added “for cyanide” after “alternative method”; added “USEPA added Method ME355.01 . . . (at 74 Fed. Reg. 38348).” to explain the addition of an approved alternative method
611.611(a)(13)(A)(i)	Board	Changed “USEPA Environmental Inorganic Methods: Method 300.0” to the Board’s short-form method designation “USEPA Environmental Inorganic Methods, Method 300.0 (rev. 2.1)”; changed “Method 300.1” to the Board’s short-form method designation “USEPA Organic and Inorganic Methods, Method 300.1 (rev. 1.0)”
611.611(a)(13)(A)(iii)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(13)(A)(iii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(13) in its entirety
611.611(a)(13)(B)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(13)(B) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(13) in its entirety
611.611(a)(13)(C)(i) Board note	Board	Removed the word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(13) in its entirety
611.611(a)(13)(C)(ii)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(13)(C)(ii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(13) in its entirety
611.611(a)(13)(D)	Board	Changed the colon after “Methods” to a comma
611.611(a)(13)(E)(ii)	Board	Changed the colon after “21st ed.” to a comma

611.611(a)(13)(E)(i) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(13) in its entirety
611.611(a)(13)(E)(ii)	Board	Changed the colon after “Methods” to a comma
611.611(a)(13) Board note	Board	Appended “USEPA added Standard Methods, 21st ed., Methods 4110 B and 4500 B, C, D, and E and ASTM Method D1179-04 B” before the text “as approved methods . . . (at 73 Fed. Reg. 31616)” moved from the former notes appended to subsections (a)(13)(A)(i), (a)(13)(A)(iii), (a)(13)(B), (a)(13)(C)(i), (a)(13)(C)(ii), and (a)(13)(E)(i); changed singular “as an approved method” to plural “as approved methods”; added “for fluoride” after “alternative method”
611.611(a)(14)(A)(ii)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(14)(A)(ii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(14) in its entirety
611.611(a)(14)(B)	Board	Changed the colon after “Methods” to a comma; added “(rev. 5.3)” after “200.8”
611.611(a)(14)(C)	Board	Changed the colon after “Methods” to a comma; added “(rev. 2.2)” after “200.9”
611.611(a)(14)(E)	Board	Changed “USEPA Methods: Method 200.5” to the defined name “USEPA NERL Method 200.5”
611.611(a)(14)(E) Board note	Board	Removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(14) in its entirety
611.611(a)(14) Board note	Board	Appended “USEPA added Standard Methods, 21st ed., Method 3113 B and USEPA NERL Method 200.5” before the text “as approved methods . . . (at 73 Fed. Reg. 31616)” moved from the former notes appended to subsections (a)(14)(A)(ii) and (a)(14)(E); changed singular “as an approved method” to plural “as approved methods”; added “for lead” after “alternative method”
611.611(a)(15)(A)(ii)	Board	Changed the colon after “21st ed.” to a comma

611.611(a)(15)(A)(ii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(15) in its entirety
611.611(a)(15)(B)(i)	Board	Changed the colon after “Methods” to a comma; added “(rev. 4.4)” after “200.7”
611.611(a)(15)(B)(ii)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(15)(B)(ii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(15) in its entirety
611.611(a)(15)(C)(ii)	Board	Changed the colon after “19th ed.” to a comma; changed the colon after “21st ed.” to a comma
611.611(a)(15)(C)(ii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(15) in its entirety
611.611(a)(15)(E)	Board	Changed “USEPA Methods: Method 200.5” to the defined name “USEPA NERL Method 200.5”
611.611(a)(15)(E) Board note	Board	Removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(15) in its entirety
611.611(a)(15) Board note	Board	Appended “USEPA added Standard Methods, 21st ed., Methods 3111 B, 3120 B, and 3500-Mg B and USEPA NERL Method 200.5” before the text “as approved methods . . . (at 73 Fed. Reg. 31616)” moved from the former notes appended to subsections (a)(15)(A)(i), (a)(15)(A)(ii), (a)(15)(B)(ii), (a)(15)(C)(ii), (a)(15)(C)(ii), and (a)(15)(E); changed singular “as an approved method” to plural “as approved methods”; added “for magnesium” after “alternative method”
611.611(a)(16)(A)(i)	Board	Changed the colon after “Methods” to a comma; added “(rev. 3.0)” after “245.1”
611.611(a)(16)(A)(iii)	Board	Changed the colon after “21st ed.” to a comma

611.611(a)(16)(A)(iii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(16) in its entirety
611.611(a)(16)(B)	Board	Changed the colon after “Methods” to a comma
611.611(a)(16)(C)	Board	Changed the colon after “Methods” to a comma; added “(rev. 5.3)” after “200.8”
611.611(a)(16) Board note	Board	Appended “USEPA added Standard Methods, 21st ed., Methods 3112B” before the text “as approved methods . . . (at 73 Fed. Reg. 31616)” moved from the former notes appended to subsection (a)(13)(A)(iii); added “for mercury” after “alternative method”
611.611(a)(17)(A)(i)	Board	Changed the colon after “Methods” to a comma; added “(rev. 4.4)” after “200.7”
611.611(a)(17)(A)(ii)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(17)(A)(ii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(17) in its entirety
611.611(a)(17)(B)	Board	Changed the colon after “Methods” to a comma; added “(rev. 5.3)” after “200.8”
611.611(a)(17)(C)	Board	Changed the colon after “Methods” to a comma; added “(rev. 2.2)” after “200.9”
611.611(a)(17)(D)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(17)(D) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(17) in its entirety
611.611(a)(17)(E)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(17)(F)	Board	Changed “USEPA Methods: Method 200.5” to the defined name “USEPA NERL Method 200.5”
611.611(a)(17)(F) Board note	Board	Removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(17) in its entirety

611.611(a)(17) Board note	Board	Appended “USEPA added Standard Methods, 21st ed., Methods 3111B, 3113 B, and 3120 B and USEPA NERL Method 200.5” before the text “as approved methods . . . (at 73 Fed. Reg. 31616)” moved from the former notes appended to subsections (a)(17)(A)(ii), (a)(17)(D), (a)(17)(E), and (a)(17)(F); changed singular “as an approved method” to plural “as approved methods”; added “for magnesium” after “alternative method”
611.611(a)(18)(A)(i)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(18)(A)(i)	Board	Changed “USEPA Environmental Inorganic Methods: Method 300.0” to the Board’s short-form method designation “USEPA Environmental Inorganic Methods, Method 300.0 (rev. 2.1)”; changed “Method 300.1” to the Board’s short-form method designation “USEPA Organic and Inorganic Methods, Method 300.1 (rev. 1.0)”
611.611(a)(18)(A)(iii)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(18)(A)(iii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(18) in its entirety
611.611(a)(18)(B)(i)	Board	Changed the colon after “Methods” to a comma; added “(rev. 2.0)” after “353.2”
611.611(a)(18)(B)(iii)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(18)(B)(iii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(18) in its entirety
611.611(a)(18)(C)(i)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(18)(C)(i) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(18) in its entirety
611.611(a)(18)(D)(ii)	Board	Changed the colon after “21st ed.” to a comma

611.611(a)(18)(D)(ii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(18) in its entirety
611.611(a)(18) Board note	Board	Appended “USEPA added Standard Methods, 21st ed., Methods 4110 B and 4500-NO ³⁻ D, E, and F” before the text “as approved methods . . . (at 73 Fed. Reg. 31616)” moved from the former notes appended to subsections (a)(18)(A)(iii), (a)(18)(B)(iii), (a)(18)(C)(i), and (a)(18)(D)(ii); changed singular “as an approved method” to plural “as approved methods”; added “for nitrate” after “alternative method”; added “USEPA added Syssta Easy (1-Reagent) . . . (at 74 Fed. Reg. 38348).” to explain the addition of an approved alternative method
611.611(a)(19)(A)(i)	Board	Changed “USEPA Environmental Inorganic Methods: Method 300.0” to the Board’s short-form method designation “USEPA Environmental Inorganic Methods, Method 300.0 (rev. 2.1)”; changed “Method 300.1” to the Board’s short-form method designation “USEPA Organic and Inorganic Methods, Method 300.1 (rev. 1.0)”
611.611(a)(19)(A)(iii)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(19)(A)(iii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(19) in its entirety
611.611(a)(19)(B)(i)	Board	Changed the colon after “Methods” to a comma
611.611(a)(19)(B)(i)	Board	Added “(rev. 2.0)” after “353.2”
611.611(a)(19)(B)(iii)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(19)(B)(iii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(19) in its entirety
611.611(a)(19)(C)(ii)	Board	Changed the colon after “21st ed.” to a comma

611.611(a)(19)(C)(ii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(19) in its entirety
611.611(a)(19)(D)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(19)(D) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(19) in its entirety
611.611(a)(19) Board note	Board	Appended “USEPA added Standard Methods, 21st ed., Methods 4110 B and 4500-NO ³⁻ D, E, and F” before the text “as approved methods . . . (at 73 Fed. Reg. 31616)” moved from the former notes appended to subsections (a)(19)(A)(iii), (a)(19)(B)(iii), (a)(19)(C)(ii), and (a)(19)(D); changed singular “as an approved method” to plural “as approved methods”; added “for nitrite” after “alternative method”; added “USEPA added Systema Easy (1-Reagent) . . . (at 74 Fed. Reg. 38348).” to explain the addition of an approved alternative method
611.611(a)(20)(A)(i)	Board	Changed the colon after “Methods” to a comma; added “(rev. 2.0)” after “365.1”
611.611(a)(20)(A)(ii)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(20)(A)(ii) Board note	Board	Removed the word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(20) in its entirety
611.611(a)(20)(B)(ii)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(20)(B)(ii) Board note	Board	Removed the word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(20) in its entirety
611.611(a)(20)(C)	Board	Changed the colon after “Methods” to a comma
611.611(a)(20)(D)	Board	Changed the colon after “Methods” to a comma
611.611(a)(20)(E)	Board	Changed the colon after “Methods” to a comma

611.611(a)(20)(F)(i)	Board	Changed the colon after “Methods” to a comma; changed “USEPA Environmental Inorganic Methods: Method 300.0” to the Board’s short-form method designation “USEPA Environmental Inorganic Methods, Method 300.0 (rev. 2.1)”; changed “Method 300.1” to the Board’s short-form method designation “USEPA Organic and Inorganic Methods, Method 300.1 (rev. 1.0)”
611.611(a)(20)(F)(iii)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(20)(F)(iii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(20) in its entirety
611.611(a)(20) Board note	Board	Appended “USEPA added Standard Methods, 21st ed., Methods 4110 B and 4500-NO ³⁻ D, E, and F” before the text “as approved methods . . . (at 73 Fed. Reg. 31616)” moved from the former notes appended to subsections (a)(20)(A)(ii), (a)(20)(B)(ii), and (a)(20)(F)(iii); changed singular “as an approved method” to plural “as approved methods”; added “for orthophosphate” after “alternative method”
611.611(a)(21)(A)	Board	Changed the colon after “Methods” to a comma
611.611(a)(21)(C)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(21)(C) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(21) in its entirety
611.611(a)(21) Board note	Board	Appended “USEPA added Standard Methods, 21st ed., Method 4500-H ⁺ B” before the text “as approved methods . . . (at 73 Fed. Reg. 31616)” moved from the former notes appended to subsections (a)(21)(C); changed singular “as an approved method” to plural “as approved methods”; added “for pH” after “alternative method”
611.611(a)(22)(A)(ii)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(22)(A)(ii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(22) in its entirety

611.611(a)(22)(B)	Board	Changed the colon after “Methods” to a comma; added “(rev. 5.3)” after “200.8”
611.611(a)(22)(C)	Board	Changed the colon after “Methods” to a comma; added “(rev. 2.2)” after “200.9”
611.611(a)(22)(D)(ii)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(22)(D)(ii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(22) in its entirety
611.611(a)(22)(E)	Board	Changed “USEPA Methods: Method 200.5” to the defined name “USEPA NERL Method 200.5”
611.611(a)(22)(E) Board note	Board	Removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(22) in its entirety
611.611(a)(22) Board note	Board	Appended “USEPA added Standard Methods, 21st ed., Methods 3113 B and 3114 B and USEPA NERL Method 200.5” before the text “as approved methods . . . (at 73 Fed. Reg. 31616)” moved from the former notes appended to subsections (a)(22)(A)(ii), (a)(22)(D)(ii), and (a)(22)(E); changed singular “as an approved method” to plural “as approved methods”; added “for selenium” after “alternative method”
611.611(a)(23)(A)	Board	Changed the colon after “Methods” to a comma
611.611(a)(23)(B)	Board	Changed the colon after “Methods” to a comma
611.611(a)(23)(C) Board note	Board	Removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(23) in its entirety
611.611(a)(23)(D)	Board	Changed the colon after “19th ed.” to a comma; changed the colon after “21st ed.” to a comma
611.611(a)(23)(D) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(23) in its entirety
611.611(a)(23)(E)	Board	Changed the colon after “19th ed.” to a comma; changed the colon after “21st ed.” to a comma

611.611(a)(23)(E) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(23) in its entirety
611.611(a)(23)(F)	Board	Changed the colon after “19th ed.” to a comma; changed the colon after “21st ed.” to a comma
611.611(a)(23)(F) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(23) in its entirety
611.611(a)(23)(G)(i)	Board	Changed the colon after “Methods” to a comma; added “(rev. 4.4)” after “200.7”
611.611(a)(23)(G)(ii)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(23)(G)(ii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(23) in its entirety
611.611(a)(23)(H)	Board	Changed “USEPA Methods: Method 200.5” to the defined name “USEPA NERL Method 200.5”
611.611(a)(23)(H) Board note	Board	Removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(23) in its entirety
611.611(a)(23) Board note	Board	Appended “USEPA added ASTM Method D859-05, Standard Methods, 21st ed.; Methods 3120 B and 4500-SiO ₂ C, D, and E; and USEPA NERL Method 200.5” before the text “as approved methods . . . (at 73 Fed. Reg. 31616)” moved from the former notes appended to subsections (a)(23)(A)(ii), (a)(23)(D)(ii), and (a)(23)(E); changed singular “as an approved method” to plural “as approved methods”; added “for silica” after “alternative method”
611.611(a)(24)(A)	Board	Changed the colon after “Methods” to a comma; added “(rev. 4.4)” after “200.7”
611.611(a)(24)(B)	Board	Changed the colon after “21st ed.” to a comma

611.611(a)(24)(B) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(24) in its entirety
611.611(a)(24)(D)	Board	Changed “USEPA Methods: Method 200.5” to the defined name “USEPA NERL Method 200.5”
611.611(a)(24)(D) Board note	Board	Removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(24) in its entirety
611.611(a)(24) Board note	Board	Appended “USEPA added Standard Methods, 21st ed.; Method 3111 B and USEPA NERL Method 200.5” before the text “as approved methods . . . (at 73 Fed. Reg. 31616)” moved from the former notes appended to subsections (a)(24)(B) and (a)(24)(D); changed singular “as an approved method” to plural “as approved methods”; added “for sodium” after “alternative method”
611.611(a)(25)	Board	Changed the colon after “21st ed.” to a comma
611.611(a)(25) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online; added “USEPA added Standard Methods, 21st ed.; Method 2550” before the text “as approved alternative methods . . . (at 73 Fed. Reg. 31616)”; added “for sodium” after “alternative method”; removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141”
611.611(a)(26)(A)	Board	Changed the colon after “Methods” to a comma; added “(rev. 5.3)” after “200.8”
611.611(a)(26)(B)	Board	Changed the colon after “Methods” to a comma; added “(rev. 2.2)” after “200.9”
611.611 Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available, including deletion of an obsolete <i>Federal Register</i> citation to later amendments
611.612(a)(2)(A)(iii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(2) in its entirety
611.612(f)(2)(B)(i)	Board	Added “(rev. 4.4)” after “200.7”
611.612(f)(2)(B)(ii)	Board	Added “(rev. 2.2)” after “200.9”

611.612(a)(2)(C) Board note	Board	Changed “USEPA Methods: Method 200.5” to the defined name “USEPA NERL Method 200.5”
611.612(a)(2)(C)	Board	Removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(2) in its entirety
611.612(a)(2) Board note	Board	Appended “USEPA added Standard Methods, 21st ed.; Methods 3111 B, 3113 B, and 3120 B and USEPA NERL Method 200.5” before the text “as approved methods . . . (at 73 Fed. Reg. 31616)” moved from the former notes appended to subsections (a)(2)(A)(iii) and (a)(2)(C); changed singular “as an approved method” to plural “as approved methods”; added “for iron” after “alternative method”
611.612(a)(3)(A)(iii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(3) in its entirety
611.612(f)(3)(B)(i)	Board	Added “(rev. 4.4)” after “200.7”
611.612(f)(3)(B)(ii)	Board	Added “(rev. 5.3)” after “200.8”
611.612(f)(3)(B)(iii)	Board	Added “(rev. 2.2)” after “200.9”
611.612(a)(3)(C) Board note	Board	Changed “USEPA Methods: Method 200.5” to the defined name “USEPA NERL Method 200.5”
611.612(a)(3)(C)	Board	Removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(3) in its entirety
611.612(a)(3) Board note	Board	Appended “USEPA added Standard Methods, 21st ed.; Methods 3111 B, 3113 B, and 3120 B and USEPA NERL Method 200.5” before the text “as approved methods . . . (at 73 Fed. Reg. 31616)” moved from the former notes appended to subsections (a)(3)(A)(iii) and (a)(3)(C); changed singular “as an approved method” to plural “as approved methods”; added “for iron” after “alternative method”
611.612(a)(4)(A)(ii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(4) in its entirety
611.612(f)(4)(B)(i)	Board	Added “(rev. 4.4)” after “200.7”
611.612(f)(4)(B)(ii)	Board	Added “(rev. 5.3)” after “200.8”

611.612(a)(4)(C)	Board	Changed “USEPA Methods: Method 200.5” to the defined name “USEPA NERL Method 200.5”
611.612(a)(4)(C) Board note	Board	Removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(4) in its entirety
611.612(a)(4) Board note	Board	Appended “USEPA added Standard Methods, 21st ed.; Methods 3111 B and 3120 B and USEPA NERL Method 200.5” before the text “as approved methods . . . (at 73 Fed. Reg. 31616)” moved from the former notes appended to subsections (a)(4)(A)(ii) and (a)(4)(C); changed singular “as an approved method” to plural “as approved methods”; added “for iron” after “alternative method”
611.612 Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available (twice), including deletion of an obsolete <i>Federal Register</i> citation to amendments now included in that latest version; corrected “appendix A to 40 CFR 141” to “appendix A to subpart C of 40 CFR 141”
611.645 benzene	Board	Added “(rev. 2.1)” after “502.2”; added “(rev. 4.1)” after “524.2”
611.645 carbon tetrachloride	Board	Added “(rev. 2.1)” after “502.2”; added “(rev. 4.1)” after “524.2”; added “(rev. 1.0)” after “551.1”
611.645 chloro-benzene	Board	Added “(rev. 2.1)” after “502.2”; added “(rev. 4.1)” after “524.2”
611.645 1,2-dichloro-benzene	Board	Added “(rev. 2.1)” after “502.2”; added “(rev. 4.1)” after “524.2”
611.645 1,4-dichloro-benzene	Board	Added “(rev. 2.1)” after “502.2”; added “(rev. 4.1)” after “524.2”
611.645 1,2-dichloro-ethane	Board	Added “(rev. 2.1)” after “502.2”; added “(rev. 4.1)” after “524.2”
611.645 <i>cis</i> -dichloro-ethylene	Board	Added “(rev. 2.1)” after “502.2”; added “(rev. 4.1)” after “524.2”
611.645 <i>trans</i> -dichloroethylene	Board	Added “(rev. 2.1)” after “502.2”; added “(rev. 4.1)” after “524.2”
611.645 dichloromethane	Board	Added “(rev. 2.1)” after “502.2”; added “(rev. 4.1)” after “524.2”
611.645 1,2-dichloro-propane	Board	Added “(rev. 2.1)” after “502.2”; added “(rev. 4.1)” after “524.2”
611.645 ethylbenzene	Board	Added “(rev. 2.1)” after “502.2”; added “(rev. 4.1)” after “524.2”
611.645 styrene	Board	Added “(rev. 2.1)” after “502.2”; added “(rev. 4.1)” after “524.2”

611.645 tetrachloro-ethylene	Board	Added “(rev. 2.1)” after “502.2”; added “(rev. 4.1)” after “524.2”; added “(rev. 1.0)” after “551.1”
611.645 1,1,1-trichloroethane	Board	Added “(rev. 2.1)” after “502.2”; added “(rev. 4.1)” after “524.2”; added “(rev. 1.0)” after “551.1”
611.645 trichloroethylene	Board	Added “(rev. 2.1)” after “502.2”; added “(rev. 4.1)” after “524.2”; added “(rev. 1.0)” after “551.1”
611.645 toluene	Board	Added “(rev. 2.1)” after “502.2”; added “(rev. 4.1)” after “524.2”
611.645 1,2,4-trichlorobenzene	Board	Added “(rev. 2.1)” after “502.2”; added “(rev. 4.1)” after “524.2”
611.645 1,1-dichloro-ethylene	Board	Added “(rev. 2.1)” after “502.2”; added “(rev. 4.1)” after “524.2”
611.645 1,1,2-trichloroethane	Board	Added “(rev. 2.1)” after “502.2”; added “(rev. 4.1)” after “524.2”
611.645 vinyl chloride	Board	Added “(rev. 2.1)” after “502.2”; added “(rev. 4.1)” after “524.2”
611.645 xylenes (total)	Board	Added “(rev. 2.1)” after “502.2”; added “(rev. 4.1)” after “524.2”
611.645 dibromo-chloropropane (DBCP)	Board	Added “(rev. 2.1)” after “502.2”; added “(rev. 4.1)” after “524.2”
611.645 total trihalo-methanes (TTHMs)	Board	Added “(rev. 2.1)” after “502.2”; added “(rev. 4.1)” after “524.2”
611.645 2,3,7,8-tetra-chlorodibenzodioxin	Board	Added “(rev. B)” after “1613
611.645 2,4-D	Board	Added “(rev. 2.1)” after “515.2”; added “(rev. 1.0)” after “555”; added “(rev. 4.0)” after “515.1”; changed “515.3” to “USEPA Organic and Inorganic Methods, Method 515.3 (rev. 1.0)”; changed “OGWDW Methods, Method 515.4” to “USEPA OGWDW Methods: Method 515.4 (rev. 1.0)”
611.645 2,4,5-TP (silvex)	Board	Added “(rev. 2.1)” after “515.2”; added “(rev. 1.0)” after “555”; added “(rev. 4.0)” after “515.1”; changed “515.3” to “USEPA Organic and Inorganic Methods, Method 515.3 (rev. 1.0)”; changed “OGWDW Methods, Method 515.4” to “USEPA OGWDW Methods: Method 515.4 (rev. 1.0)”
611.645 alaclor	Board	Added “(rev. 2.1)” after “505”; added “(rev. 2.1)” after “507”; added “(rev. 2.1)” after “508.1”; added “(rev. 2.0)” after “525.2”; added “(rev. 1.0)” after “551.1”
611.645 atrazine	Board	Added “(rev. 2.1)” after “505”; added “(rev. 2.1)” after “507”; added “(rev. 2.1)” after “508.1”; added “(rev. 2.0)” after “525.2”; added “(rev. 1.0)” after “551.1”
611.645 benzo(a)pyrene	Board	Added “(rev. 2.0)” after “525.2”

611.645 carbofuran	Board	Added “(rev. 3.1)” after “531.1”; changed “OGWDW Methods, Method 531.2” to “USEPA OGWDW Methods: Method 531.2 (rev. 1.0)”; changed the colon after “20th ed.” to a comma; changed the colon after “Online” to a comma; corrected “Method 6610 B” to “Method 6610 B-04”
611.645 chlordane	Board	Added “(rev. 2.1)” after “505”; added “(rev. 3.1)” after “508”; added “(rev. 2.1)” after “508.1”; added “(rev. 2.0)” after “525.2”
611.645 dalapon	Board	Added “(rev. 4.0)” after “515.1”; added “(rev. 1.0)” after “552.1”; added “(rev. 1.0)” after “552.2”; changed “515.3” to “USEPA Organic and Inorganic Methods, Method 515.3 (rev. 1.0)”; changed “OGWDW Methods, Method 515.4” to “USEPA OGWDW Methods: Methods 515.4 (rev. 1.0), 552.3 (rev. 1.0)”
611,645 di(2-ethyl-hexyl)adipate	Board	Added “(rev. 1.1)” after “506”; added “(rev. 2.0)” after “525.2”
611,645 di(2-ethyl-hexyl)phthalate	Board	Added “(rev. 1.1)” after “506”; added “(rev. 2.0)” after “525.2”
611,645 (DBCP)	Board	Changed “OGWDW Methods, Method 515.4” to “USEPA OGWDW Methods: Method 515.4”
611.645 dibromo-chloropropane	Board	Added “(rev. 1.1)” after “504.1”; added “(rev. 1.0)” after “551.1”
611.645 dinoseb	Board	Added “(rev. 4.0)” after “515.1”; added “(rev. 1.a)” after “515.2”; changed “515.3” to “USEPA Organic and Inorganic Methods, Method 515.3 (rev. 1.0)”; changed “OGWDW Methods, Method 515.4” to “USEPA OGWDW Methods, Method 515.4 (rev. 1.0)”; added “(rev. 1.0)” after “555”
611.645 diquat	Board	Corrected USEPA Organic Methods, Method 549.1 to USEPA NERL Method 549.2 to a USEPA change from December 1, 1999 that the Board omitted from the R00-10 update (Aug. 24, 2000)
611.645 endothall	Board	Added “(rev. 1.0)” after “548.1”
611.645 endrin	Board	Added “(rev. 2.1)” after “505”; added “(rev. 3.1)” after “508”; added “(rev. 2.1)” after “508.1”; added “(rev. 2.0)” after “525.2”; added “(rev. 1.0)” after “551.1”
611.645 ethylene dibromide	Board	Changed capitalized “Ethylene Dibromide” to lower-case “ethylene dibromide”; added “(rev. 1.1)” after “504.1”; added “(rev. 1.0)” after “551.1”
611.645 glyphosate	Board	Changed the colon after “20th ed.” to a comma
611.645 heptachlor	Board	Added “(rev. 2.1)” after “505”; added “(rev. 3.1)” after “508”; added “(rev. 2.0)” after “508.1”; added “(rev. 2.0)” after “525.2”; added “(rev. 1.0)” after “551.1”

611.645 heptachlor epoxide	Board	Added “(rev. 2.1)” after “505”; added “(rev. 3.1)” after “508”; added “(rev. 2.0)” after “508.1”; added “(rev. 2.0)” after “525.2”; added “(rev. 1.0)” after “551.1”
611.645 hexachloro-benzene	Board	Added “(rev. 2.1)” after “505”; added “(rev. 3.1)” after “508”; added “(rev. 2.0)” after “508.1”; added “(rev. 2.0)” after “525.2”; added “(rev. 1.0)” after “551.1”
611.645 hexachloro-cyclopentadiene	Board	Added “(rev. 2.1)” after “505”; added “(rev. 3.1)” after “508”; added “(rev. 2.0)” after “508.1”; added “(rev. 2.0)” after “525.2”; added “(rev. 1.0)” after “551.1”
611.645 lindane	Board	Added “(rev. 2.1)” after “505”; added “(rev. 3.1)” after “508”; added “(rev. 2.0)” after “508.1”; added “(rev. 2.0)” after “525.2”; added “(rev. 1.0)” after “551.1”
611.645 methoxychlor	Board	Added “(rev. 2.1)” after “505”; added “(rev. 3.1)” after “508”; added “(rev. 2.0)” after “508.1”; added “(rev. 2.0)” after “525.2”; added “(rev. 1.0)” after “551.1”
611,645 oxamyl	Board	Changed the comma after “531.1” to a semicolon and added “(rev. 3.1)” after “531.1”; changed the comma after “531.2” to a semicolon and changed “OGWDW Methods, Method 531.2” to “USEPA OGWDW Methods, Method 531.2 (rev. 1.0)”; changed “Standard Methods, 19th ed., or 20th ed.: Method 6610 or Standard Methods, 21st ed. or Standard Methods Online: Method 6610 B” to “Standard Methods, 19th or 20th ed., Method 6610; Standard Methods, 21st ed., Method 6610 B; or Standard Methods Online, Method 6610 B-04”
611.645 PCBs (as decachlorobiphenyl)	Board	Corrected the spelling “decchlorobiphenyl” to “decachlorobiphenyl”; added “(rev. 1.0)” after “508A”
611.645 PCBs (as alaclor)	Board	Added “(rev. 2.1)” after “505”; added “(rev. 3.1)” after “508”; added “(rev. 2.0)” after “508.1”; added “(rev. 2.0)” after “525.2”
611.645 pentachloro-phenol	Board	Added “(rev. 4.0)” after “515.1”; added “(rev. 1.0)” after “552.1”; added “(rev. 1.0)” after “552.2”; changed “515.3” to “USEPA Organic and Inorganic Methods, Method 515.3 (rev. 1.0)”; changed “OGWDW Methods, Method 515.4” to “USEPA OGWDW Methods: Methods 515.4 (rev. 1.0)”
611,645 picloram	Board	Added “(rev. 4.0)” after “515.1”; added “(rev. 1.1)” after “515.2”; added “(rev. 1.0)” after “555”; changed “515.3” to “USEPA Organic and Inorganic Methods, Method 515.3 (rev. 1.0)”; changed “515.4, OGWDW Methods, Method 515.4” to “USEPA OGWDW Methods: Methods 515.4 (rev. 1.0)”

611.645 simazine	Board	Added “(rev. 2.1)” after “505”; added “(rev. 2.1)” after “507”; added “(rev. 2.0)” after “508.1”; added “(rev. 2.0)” after “525.2”; corrected “551.2” to “551.1 (rev. 1.0)”
611.645 toxaphene	Board	Added “(rev. 2.1)” after “505”; added “(rev. 2.1)” after “508”; added “(rev. 2.0)” after “508.1” and moved the entry into numeric order; added “(rev. 2.0)” after “525.2”
611.645 synthetic organic compounds Board note	Board	Added the formerly omitted explanation of USEPA’s approval of Standard Methods, 21st ed., Method 6610 B and Standard Method Online, Method 6610 B-04 for carbofuran and oxamyl
611.645 aldrin	Board	Added “(rev. 2.1)” after “505”; added “(rev. 3.1)” after “508”; added “(rev. 2.0)” after “508.1”; added “(rev. 2.0)” after “525.2”
611.645 DDT	Board	Added “(rev. 2.1)” after “505”; added “(rev. 3.1)” after “508”
611.645 dieldrin	Board	Added “(rev. 2.1)” after “505”; added “(rev. 3.1)” after “508”; added “(rev. 2.0)” after “508.1”; added “(rev. 2.0)” after “525.2”
611.645 Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available (twice), including deletion of an obsolete <i>Federal Register</i> citation to amendments now included in that latest version and adding a <i>Federal Register</i> citation to amendments after that latest version; corrected “appendix A to 40 CFR 141” to “appendix A to subpart C of 40 CFR 141”; added “USEPA added USEPA OGWDW Method 524.3 . . . (at 74 Fed. Reg. 38348).” to explain the addition of an approved alternative method
611.680(b)(3)	Board	Changed numeric “1 year” to written “one year”
611.680(b) Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available
611.720(a)(1)(A)(ii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(1) in its entirety
611.720(a)(1)(B)	Board	Changed the citation “page 1” to “pages 1-3”
611.720(a)(1)(C)	Board	Changed the colon after “21st ed.” to a comma
611.720(a)(1)(D)	Board	Changed the citation “page 1” to “pages 1-5”

611.720(a)(1)(E)	Board	Changed the short-form method designation “USEPA Radiochemistry Methods” to “USEPA Radiochemistry Procedures”; changed the colon after “Methods” to a comma
611.720(a)(1)(F)	Board	Changed the colon after “Methods” to a comma
611.720(a)(1) Board note	Board	Appended “USEPA added Standard Methods, 21st ed., Method 7110 B” before the text “as an approved method . . . (at 73 Fed. Reg. 31616)” moved from the former note appended to subsection (a)(1)(A)(ii); added “for gross alpha and beta” after “alternative method”
611.720(a)(2)(A)	Board	Changed the colon after “21st ed.” to a comma
611.720(a)(2)(A) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(2) in its entirety
611.720(a)(2)(B)	Board	Changed the short-form method designation “USEPA Radiochemistry Methods” to “USEPA Radiochemistry Procedures”; changed the colon after “Procedures” to a comma
611.720(a)(2) Board note	Board	Appended “USEPA added Standard Methods, 21st ed., Method 7110 C” before the text “as an approved method . . . (at 73 Fed. Reg. 31616)” moved from the former note appended to subsection (a)(2)(A); added “for gross alpha” after “alternative method”
611.720(a)(3)(C)(iv) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(3) in its entirety
611.720(a)(3)(D)	Board	Changed the Board’s short-form methods designation “USDOE Manual” to “EML Procedures Manual (27th or 28th ed.)”; changed the colon after “Manual” to a comma
611.720(a)(3)(E)	Board	Changed the citation “pages 13 and 16” to “pages 13-15 or 16-23”
611.720(a)(3)(F)	Board	Changed the colon after “Methods” to a comma
611.720(a)(3)(G)	Board	Changed the colon after “Analyses” to a comma; changed the citation “page 19” to “pages 19-32”

611.720(a)(3)(H)	Board	Changed the short-form method designation “USEPA Radiochemistry Methods” to “USEPA Radiochemistry Procedures”; changed “Methods Ra-03, Ra-04” to “Method Ra-03 or Ra-04”; changed the colon after “Procedures” to a comma
611.720(a)(3) Board note	Board	Appended “USEPA added Standard Methods, 21st ed., Methods 7500-Ra B and C” before the text “as approved methods . . . (at 73 Fed. Reg. 31616)” moved from the former note appended to subsection (a)(3)(C)(iv); changed singular “as an approved method” to plural “as approved methods”; added “for radium-226” after “alternative method”
611.720(a)(4)(A)	Board	Changed the colon after “21st ed.” to a comma
611.720(a)(4)(A) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(4) in its entirety
611.720(a)(4)(C)	Board	Changed the colon after “Methods” to a comma; changed the citation “page 24” to “pages 24-28”
611.720(a)(4)(D)	Board	Changed the colon after “Methods” to a comma
611.720(a)(4)(E)	Board	Changed the colon after “Analyses” to a comma; changed the citation “page 19” to “pages 19-32”
611.720(a)(4)(F)	Board	Changed the short-form method designation “USEPA Radiochemistry Methods” to “USEPA Radiochemistry Procedures”; changed the colon after “Procedures” to a comma
611.720(a)(4)(G)	Board	Changed the colon after “Methods” to a comma
611.720(a)(5)(H)	Board	Changed the Board’s short-form methods designation “USDOE Manual” to “EML Procedures Manual”; changed the colon after “Manual” to a comma
611.720(a)(4) Board note	Board	Appended “USEPA added Standard Methods, 21st ed., Method 7500-Ra D” before the text “as an approved method . . . (at 73 Fed. Reg. 31616)” moved from the former note appended to subsection (a)(4)(A); added “for radium-228” after “alternative method”
611.720(a)(5)(A)	Board	Changed the colon after “21st ed.” to a comma
611.720(a)(5)(A) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(5) in its entirety
611.720(a)(5)(B)	Board	Changed the colon after “20th ed.” to a comma

611.720(a)(5)(C)(iv) Board note	Board	Removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(5) in its entirety
611.720(a)(5)(D)	Board	Changed the colon after “Methods” to a comma
611.720(a)(5)(E)	Board	Changed the colon after “Methods” to a comma; added “(rev. 5.3)” after “200.8”
611.720(a)(5)(F)	Board	Changed the colon after “Analyses” to a comma; changed the citation “page 33” to “pages 33-48”
611.720(a)(5)(G)	Board	Changed the short-form method designation “USEPA Radiochemistry Methods” to “USEPA Radiochemistry Procedures”; Changed the colon after “Procedures” to a comma
611.720(a)(5)(H)	Board	Changed the Board’s short-form methods designation “USDOE Manual” to “EML Procedures Manual (27th or 28th ed.)”; changed the colon after “Manual” to a comma
611.720(a)(5) Board note	Board	Appended “USEPA added Standard Methods, 21st ed., Methods 7500-U C and ASTM Method D5673-05” before the text “as approved methods . . . (at 73 Fed. Reg. 31616)” moved from the former note appended to subsections (a)(5)(A) and (a)(5)(C)(iv); changed singular “as an approved method” to plural “as approved methods”; added “for uranium” after “alternative method”
611.720(a)(6)(B)(ii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(6) in its entirety
611.720(a)(6)(C)	Board	Changed the Board’s short-form methods designation “USDOE Manual” to “EML Procedures Manual (27th or 28th ed.)”; changed the colon after “Manual” to a comma
611.720(a)(6)(D)	Board	Changed the colon after “Methods” to a comma; changed the citation “page 4” to “pages 4-5”
611.720(a)(6)(E)	Board	Changed the colon after “Methods” to a comma
611.720(a)(6)(F)	Board	Changed the colon after “Analyses” to a comma; changed the citation “page 92” to “pages 92-95”

611.720(a)(6) Board note	Board	Appended “USEPA added Standard Methods, 21st ed., Methods 7500-Ra B and C” before the text “as approved methods . . . (at 73 Fed. Reg. 31616)” moved from the former note appended to subsection (a)(6)(B)(ii); changed singular “as an approved method” to plural “as approved methods”; added “for radioactive cesium” after “alternative method”
611.720(a)(7)(B)(iv) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(7) in its entirety
611.720(a)(7)(C)	Board	Changed the Board’s short-form methods designation “USDOE Manual” to “EML Procedures Manual (27th or 28th ed.)”; changed the colon after “Manual” to a comma
611.720(a)(7)(D)	Board	Changed the colon after “Methods” to a comma; changed the citation “pages 6, 9” to “pages 6-8 or 9-12”
611.720(a)(7)(E)	Board	Changed the colon after “Analyses” to a comma; changed the citation “page 92” to “pages 92-95”
611.720(a)(7)(F)	Board	Changed the colon after “Methods” to a comma; changed the comma after “901.1” to the conjunction “or”
611.720(a)(7) Board note	Board	Appended “USEPA added Standard Methods, 21st ed., Methods 7120 and 7500-I B, C, and D” before the text “as approved methods . . . (at 73 Fed. Reg. 31616)” moved from the former note appended to subsection (a)(7)(B)(iv); changed singular “as an approved method” to plural “as approved methods”; added “for radioactive iodine” after “alternative method”
611.720(a)(8)(A)(ii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(8) in its entirety
611.720(a)(8)(B)	Board	Changed the Board’s short-form methods designation “USDOE Manual” to “EML Procedures Manual (27th or 28th ed.)”; Added “Method Sr-01 or Sr-02” offset by a comma
611.720(a)(8)(B)(i)	Board	Moved the method designation into subsection (a)(8)(B)
611.720(a)(8)(B)(ii)	Board	Moved the method designation into subsection (a)(8)(B)

611.720(a)(8)(C)	Board	Changed the colon after “Methods” to a comma; changed the citation “page 29” to “pages 29-33”
611.720(a)(8)(E)	Board	Changed the colon after “Methods” to a comma; changed the citation “page 65” to “pages 65-73”
611.720(a)(8)(F)	Board	Changed the short-form method designation “USEPA Radiochemistry Methods” to “USEPA Radiochemistry Procedures”; changed the colon after “Procedures” to a comma
611.720(a)(8)(G)	Board	Changed the colon after “Procedures” to a comma
611.720(a)(8) Board note	Board	Appended “USEPA added Standard Methods, 21st ed., Method 7500-Sr B” before the text “as an approved method . . . (at 73 Fed. Reg. 31616)” moved from the former note appended to subsection (a)(8)(A)(ii); added “for radioactive strontium” after “alternative method”
611.720(a)(9)(B)(ii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(9) in its entirety
611.720(a)(9)(C)	Board	Changed the colon after “Methods” to a comma; changed the citation “page 34” to “pages 34-37”
611.720(a)(9)(D)	Board	Changed the colon after “Methods” to a comma
611.720(a)(9)(E)	Board	Changed the colon after “Analyses” to a comma; changed the citation “page 87” to “pages 87-91”
611.720(a)(9)(F)	Board	Changed the short-form method designation “USEPA Radiochemistry Methods” to “USEPA Radiochemistry Procedures”; changed the colon after “Procedures” to a comma
611.720(a)(9) Board note	Board	Appended “USEPA added Standard Methods, 21st ed., Methods 7500-Ra B and C” before the text “as approved methods . . . (at 73 Fed. Reg. 31616)” moved from the former note appended to subsection (a)(9)(B)(ii); changed singular “as an approved method” to plural “as approved methods”; added “for tritium” after “alternative method”
611.720(a)(10)(B)(iii) Board note	Board	Removed the explanation of the use of the 21st edition of Standard Methods in lieu of Standard Methods Online, removed the comma and word “added” after “appendix A to subpart C of 40 CFR 141,” and placed the remaining text in a new note appended to subsection (a)(10) in its entirety
611.720(a)(10)(C)	Board	Changed the short-form method designation “USDOE Manual” to “EML Procedures Manual (27th or 28th ed.)”; changed the colon after “Manual” to a comma

611.720(a)(10)(D)	Board	Changed the colon after “Methods” to a comma
611.720(a)(10)(E)	Board	Changed the colon after “Analyses” to a comma; changed the citation “page 92” to “pages 92-95”
611.720(a)(10)(F)	Board	Changed the colon after “Methods” to a comma
611.720(a)(10) Board note	Board	Appended “USEPA added Standard Methods, 21st ed., Methods 7120, 7500-Cs B, and 7500-I B” before the text “as approved methods . . . (at 73 Fed. Reg. 31616)” moved from the former note appended to subsection (a)(10)(B)(iii); changed singular “as an approved method” to plural “as approved methods”; added “for radium-226” after “alternative method”
611.720(b)(2)	Board	Changed the reference “HASL Procedures Manual, HASL 300, available from ERDA Health and Safety Laboratory” to “EML Procedures Manual (27th or 28th ed.), available from USDOE, EML”
611.720(c)(1) Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available
611.720(c)(2) Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available
611.720(c) Board note	Board	Corrected the citation “appendix A to 40 CFR 141” to “appendix A to subpart C of 40 CFR 141”; updated the <i>Code of Federal Regulations</i> citation to the latest version available, including deletion of an obsolete <i>Federal Register</i> citation to later amendments
611.802(c)(2)(A)(viii)	Board	Corrected “Method 9222 G” to “Method 9223 B”
611.802(c)(2)(A) Board note	Board	Corrected the citation “611.526(a) or (b)” to “611.526 (f)(1) or (f)(2)”; deleted the explanation of the Board’s citation to the 21st edition, rather than to Standard Methods Online, following USEPA’s June 3, 2008 addition of approved alternative methods; added explanation of USEPA’s addition of Standard Methods, 21st ed., Method 9223 B as an approved alternative method for <i>E. coli</i>
611.802(c)(2)(B)(i)	Board	Corrected “Standard Methods Online, Method 9230 B” to “Standard Methods Online, Method 9230 B-04”
611.802(c)(2)(B)(i) Board note	Board	Changed “On June 3, 2008 . . . , USEPA added Appendix A . . . , which authorized alternative methods to those listed for enterococci . . . to allow the use of the Standard Methods Online . . . , Method 9230 B (approved in 2004)” to “USEPA added Standard Methods Online, Method 9230 B-04 as an approved alternative method for enterococci on June 3, 2008 (at 73 Fed. Reg. 31616)”

611.802(c)(2)(A) Board note	Board	Corrected the citation “611.526(a) or (b)” to “611.526 (f)(1) or (f)(2)”; deleted the explanation of the Board’s citation to the 21st edition, rather than to Standard Methods Online, following USEPA’s June 3, 2008 addition of approved alternative methods; added explanation of USEPA’s addition of Standard Methods, 21st ed., Method 9223 B as an approved alternative method for <i>E. coli</i>
611.802(c)(2)(B) Board note	Board	Moved from the former note appended to subsection (c)(2)(B)(i); changed singular “as an approved method” to plural “as approved methods”; added “for tritium” after “alternative method”
611.802 Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available, including deletion of an obsolete <i>Federal Register</i> citation to amendments now included in that latest version
611.925(b)(15)	Board	Changed “and a Subpart B system supplier” to “or which is a Subpart B system supplier”
611.925 Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available
611.971(a)(2)(O)	Board	Changed “or a Subpart B system supplier” to “or which is a Subpart B system supplier”
611.971 Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available
611.1004(a)	Board	Moved the parenthetical “each incorporated . . . 611.102” from after “Section 611.480” to follow “Method 1622 (05)”
611.1004(b)	Board	Moved the parenthetical “each incorporated . . . 611.102” from after “Section 611.480” to follow “Method 1622 (05)”
611.1004(b)(4)	Board	Changed “appendix A to subpart C of 40 CFR 141 of 40 CFR 141” to “appendix A to subpart C of 40 CFR 141”
611.Appendix F Board note	Board	Updated the <i>Code of Federal Regulations</i> citation to the latest version available; changed “as this Section” to “in this Section “

IT IS SO ORDERED

I, John T. Therriault, Assistant Clerk of the Illinois Pollution Control Board, certify that the Board adopted the above opinion and order on August 5, 2010, by a vote of 5-0.

A handwritten signature in black ink that reads "John T. Therriault". The signature is written in a cursive style with a long horizontal flourish extending to the right.

John T. Therriault, Assistant Clerk
Illinois Pollution Control Board