

ILLINOIS POLLUTION CONTROL BOARD

November 20, 2014

IN THE MATTER OF: )  
NATIONAL AMBIENT AIR QUALITY ) R15-4  
STANDARDS, USEPA REGULATIONS ) (Identical-in-Substance Rulemaking - Air)  
(January 1, 2014 through June 30, 2014 and )  
November 4, 2014) )

Proposed Rule. Proposal for Public Comment.

OPINION AND ORDER OF THE BOARD (by J.A. Burke):

This rulemaking updates the ambient air quality standards in the Board’s air pollution regulations (35 Ill. Adm. Code 243) to include revisions to the National Ambient Air Quality Standards (NAAQS)<sup>1</sup> adopted by the United States Environmental Protection Agency (USEPA) pursuant to section 109 of the Clean Air Act (CAA) (42 U.S.C. § 7409 (2011)) during the period January 1, 2014 through June 30, 2014.

Today the Board adopts a proposal for public comment that would amend one segment of the Illinois ambient air quality standards to reflect revisions and USEPA actions that affect the federal NAAQS codified in 40 C.F.R. 50. As explained below, the Board intends the Illinois ambient air quality standards adopted in this proceeding to be identical-in-substance with their federal counterparts, as “identical-in-substance” is defined by Section 7.2(a) of the Environmental Protection Act (Act) (415 ILCS 5/7.2(a) (2012)).

Section 10(H) of the Act (415 ILCS 5/10(H)), as added by P.A. 97-945 (eff. Aug. 10, 2012)), mandates this rulemaking by requiring the Board to “adopt ambient air quality standards specifying the maximum permissible short-term and long-term concentrations of various contaminants in the atmosphere; those standards shall be identical in substance to the national ambient air quality standards promulgated by . . . the United States Environmental Protection Agency in accordance with Section 109 of the Clean Air Act [(42 U.S.C. § 7409)].” 415 ILCS 5/10(H) (2012).

The Board adopted the initial amendments in National Ambient Air Quality Standards, USEPA Regulations (through December 31, 2012), R13-11 (July 25, 2013), which were effective on July 29, 2013. *See* 37 Ill. Reg. 12882 (Aug. 9, 2013). The Board updated the amendments in National Ambient Air Quality Standards, USEPA Regulations (January 1, 2013 through June 30, 2012, July 3, 2013, and August 5, 2013), R14-6 (Sep. 5, 2013) and National Ambient Air Quality Standards, USEPA Regulations (July 1, 2013 through December 31, 2013), R14-6 (Mar. 20, 2014).

Section 10(H) of the Act (415 ILCS 5/10(H) (2012)) and Section 1-5(c)(1) of the Administrative Procedure Act (APA) (5 ILCS 100/1-5(c)(1) (2012)) also provide that Title VII

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<sup>1</sup> Throughout this opinion and in the regulatory text, the Board uses the abbreviation “NAAQS” to refer to a single standard and “NAAQS” to refer to multiple standards.

of the Act and Section 5-35 of the APA (5 ILCS 100/5-35 (2012)) do not apply to this proceeding. Accordingly, the Board will not adopt a “First Notice” proposal, or a “Second Notice” proposal for review by the Joint Committee on Administrative Rules (JCAR). However, as provided in Section 10(H) of the Act, and as explained in the two following segments of this opinion and order, the Board, before adopting final rule amendments, will provide notice of this rulemaking proposal in the *Illinois Register*, hold one public hearing on the proposal as required by the federal Clean Air Act (33 U.S.C. § 7410(a) (2011)), and allow for public comment.

The Board reserved this docket to accommodate amendments that are necessary to update the Illinois ambient air quality standards to reflect revisions and USEPA actions that affect the federal NAAQS during the period January 1, 2014 through June 30, 2014. Board action is necessary to amend the Illinois ambient air quality standards to conform with the NAAQS adopted and amended by USEPA. USEPA designated four new federal equivalent methods (FEMs) for use in demonstrating compliance with the NAAQS on June 18, 2014. USEPA simultaneously issued an updated version of its *List of Designated Reference and Equivalent Methods* on June 18, 2014.

USEPA subsequently designated two new federal reference methods (FRMs) and two new FEMs on November 4, 2014. The Board has included the November 4, 2014 designations in this docket for the sake of administrative economy.

The Board prefaces this opinion with procedural matters. First, the Board provides information on the public comment period. Second, the Board describes facts relative to a scheduled public hearing for this proceeding. Third, the Board sets forth the timetable for completing this rulemaking. The substantive discussions follow the procedural matters.

### **PUBLIC COMMENTS**

The Board invites public comment on the proposed amendments. The Board will receive public comments until at least 45 days after a notice of these proposed amendments appears in the *Illinois Register*. Anyone may file a public comment with the Board at:

Office of the Clerk  
Pollution Control Board  
James R. Thompson Center  
100 W. Randolph Street, Suite 11-500  
Chicago, Illinois 60601

Alternatively, an interested person may file electronically using the Clerk’s Office On-Line (COOL) system, linked on the Board’s Web page, at [www.ipcb.state.il.us](http://www.ipcb.state.il.us).

All comments relating to this rulemaking, whether filed physically or electronically, should clearly refer to docket number R15-4.

All filings with the Clerk of the Board must be served on the hearing officer and on those persons on the Service List for this rulemaking. The service list is available on the Board’s Web page. Before filing any document with the Clerk, please check with the Clerk’s Office to confirm that you are using the most recent version of the Service List. The hearing officer

assigned to this rulemaking is Michael J. McCambridge (312-814-6924), [michael.mccambridge@illinois.gov](mailto:michael.mccambridge@illinois.gov).

### **FEDERALLY REQUIRED PUBLIC HEARING**

The Board expects that the Illinois Environmental Protection Agency (Agency) will submit the present amendments as a revision to the Illinois State Implementation Plan (SIP) for various contaminants pursuant to section 110 of the federal Clean Air Act (42 U.S.C. § 7410(a)) (2011) and the implementing USEPA regulations. *See* 40 C.F.R. 51.102 and appendix V (2013).

The Board has scheduled a public hearing in this rulemaking for the purpose of allowing interested members of the public to comment on the proposed amendments and the anticipated SIP revision that will result from their adoption. The Board will conduct that hearing by videoconference between the Board's offices in Chicago and Springfield, as follows:

1:30 p.m., Thursday, January 8, 2015

James R. Thompson Center  
Illinois Pollution Control Board Hearing Room  
100 West Randolph Street, Room 11-512  
Chicago

and

Sangamo Building  
Illinois Pollution Control Board Hearing Room  
1021 North Grand Avenue  
Springfield

The record in this docket will include all documents pertaining to this proceeding. All documents in the record are publicly available for inspection and copying as provided in 2 Ill. Adm. Code 2175. The documents are also freely available online at the Board's webpage: [www.ipcb.state.il.us](http://www.ipcb.state.il.us).

The record will not include a copy of the following documents, which are all otherwise publicly available:

- Any *Federal Register* notices relating to this action (referenced elsewhere in this opinion and order);
- Federal statutes and regulations referenced in this opinion and order; and
- Illinois statutes and regulations referenced in this opinion and order.

The Board will cause publication of a Notice of Public Information on Proposed Rules in the *Illinois Register*. In that Notice, the Board will describe the hearing date and time outlined above and set forth information to aid members of the community to obtain and review documents and participate in this proceeding. The Board will try to have that publication occur simultaneous with publication of the Notice of Proposed Amendments. The notices published relative to this proceeding will request that interested persons direct questions to

Michael McCambridge, Staff Attorney  
 Pollution Control Board  
 100 West Randolph Street, Room 11-500  
 Chicago, Illinois 60601  
 312-814-6924  
 michael.mccambridge@illinois.gov

The notices published relative to this proceeding will direct interested persons to request documents from or submit documents to

John T. Therriault, Clerk of the Board  
 Pollution Control Board  
 100 West Randolph Street, Room 11-500  
 Chicago, Illinois 60601  
 312-814-3629  
 john.therriault@illinois.gov

After the hearing and public comment period, the Board will promptly issue an opinion and order adopting final rule amendments. The Board will then file the amendments with the Office of the Secretary of State, and a Notice of Adopted Amendments will appear in the *Illinois Register*. Any Agency submission of the associated SIP revision to USEPA would follow that Notice.

### **DUE DATE AND SCHEDULE FOR COMPLETION**

The Board must complete action to adopt amendments within one year of the date when USEPA revised the NAAQS. 415 ILCS 5/7.2(b). Since USEPA updated its *List of Designated Reference and Equivalent Methods* on June 18, 2014, which prompted this proceeding, the Board must complete corresponding amendments before June 18, 2015. The Board can meet that due date according to the following schedule:

<b>Due date:</b>	<b>June 18, 2015</b>
<b>Proposal adopted date:</b>	<b>November 20, 2014</b>
Publication submission deadline:	December 1, 2014
<i>Illinois Register</i> publication date:	December 12, 2014
Date of public hearing:	January 8, 2015
End of 45-day public comment period:	January 26, 2015
<b>Adoption date:</b>	<b>February 5, 2015</b>
Possible filing and <b>effective date:</b>	<b>February 16, 2015</b>
Possible <i>Illinois Register</i> publication date:	February 27, 2015

This estimated timetable of has time added to allow for any minor unforeseen delays in finalizing the amendments. It is possible that progress toward completion could occur more slowly—up to the statutory deadline of June 18, 2015—due to presently unforeseen events.

## **OVERVIEW OF THE FEDERAL NAAQS AND THIS PROCEEDING**

The amendments proposed today are intended to make the Illinois ambient air quality standards identical-in-substance to the NAAQS adopted by USEPA. Today's proposal includes one ancillary USEPA action that occurred during the period January 1, 2014 through June 30, 2014: USEPA approved four new FEMs and simultaneously issued an update to its *List of Designated Reference and Equivalent Methods* on June 18, 2014. Further, Board action on the June 18, 2014 USEPA approval of four new FEMs is not necessary because the June 18, 2014 update to the *List of Designated Methods* subsumes the June 18, 2014 approvals.

The Board added one USEPA action that occurred after the nominal timeframe of this docket. USEPA designated two new FRMs and two new FEMs on November 4, 2014. The Board has added this action for administrative economy.

### **Docket R14-17: January 1, 2014 through June 30, 2014 Amendments**

USEPA did not amend the federal NAAQS once during the period January 1, 2014 through June 30, 2014. Instead, USEPA undertook three ancillary actions during the period. The actions, described below, all related to approval of new analytical methods for demonstrating compliance.

Board action is required on only one of the USEPA actions, as is summarized below:

#### **June 2, 2014 (79 Fed. Reg. 31566)**

Description of the USEPA action: As a result of the remand in Natural Resources Defense Council v. EPA, 706 F.3d 428 (D.C. Cir. 2013), USEPA classified moderate non-attainment all areas previously designated non-attainment for the 1997 and 2006 fine particulate matter (PM<sub>2.5</sub>) NAAQS. The only non-attainment areas listed for Illinois in 40 C.F.R. 81.314 for the 1997 annual PM<sub>2.5</sub> NAAQS are Madison, Monroe, St. Clair Counties and Baldwin Village in Randolph County. These areas are now classified as moderate non-attainment. No areas of Illinois are designated non-attainment for the 1997 or 2006 24-hour PM<sub>2.5</sub> NAAQS.

Prospective necessary Board action in response: This USEPA action affects no sunset provision in 40 C.F.R. 50.7 and 50.13 (corresponding with 35 Ill. Adm. Code 243.120(b) and (c)). The Board references this federal action, but no Board action will be necessary based on it.

#### **June 18, 2014 (79 Fed. Reg. 34734): Four New FEMs**

Description of the USEPA action: USEPA designated one new FEM for nitrogen oxides (NO<sub>x</sub>), two new FEMs for ozone (O<sub>3</sub>), and one new FEM for lead (Pb) in ambient air.

Prospective necessary Board action in response: This action would normally require the Board to update the incorporation by reference of the *List of*

*Designated Reference and Equivalent Methods* in Section 243.108 to include this *Federal Register* notice. USEPA's updated version of the *List of Designated Methods* on June 18, 2014 includes these designations. Updating the incorporation by reference will include the new FEMs in the Illinois rules.

**June 18, 2014: Updated Version of *List of Designated Reference and Equivalent Methods***

Description of the USEPA action: USEPA issued an updated version of its *List of Designated Reference and Equivalent Methods*.

Prospective necessary Board action in response: The Board must modify the version of the *List of Designated Reference and Equivalent Methods* that is incorporated by reference in Section 243.108

**Later USEPA NAAQS-Related Action 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 one USEPA action since June 30, 2014 that further affected the NAAQS in a way that would require Board attention. That action is described as follows:

The Board includes the November 4, 2014 designations in this docket for the sake of administrative economy.

**November 4, 2014 (79 Fed. Reg. 65392): Two New FRMs and Two New FEMs**

Description of the USEPA action: USEPA designated one new FRM for fine particulates (PM<sub>2.5</sub>) and another for coarse particulates (PM<sub>10-2.5</sub>). USEPA designated one new FEM for O<sub>3</sub> and one new FEM for carbon monoxide (CO) in ambient air.

Prospective necessary Board action in response: This action requires the Board to update the incorporation by reference of the *List of Designated Reference and Equivalent Methods* in Section 243.108 to include this *Federal Register* notice. USEPA's updated *List of Designated Methods* on June 18, 2014 does not include these designations.

**Summary Listing of the Federal Action  
Upon Which Action is Required in This Docket**

Based on the foregoing, the federal action that forms the basis for Board action in this update docket is the following:

Federal Action Date (citation)	Description of the Action
June 18, 2014	Update to the List of Designated Methods

November 4, 2014, 79 Fed. Reg. 65392	Designation of two new FRMs and two new FEMs
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### **The Context of This Identical-in-Substance Proceeding**

The Board does not engage in substantive review of federal standards in the context of an identical-in-substance proceeding. Rather, the Board reviews federal standards only to the extent necessary to make a “best fit” for those standards in the context of the Illinois regulatory scheme.

The Board tries to follow the structure and content of federal regulations where possible. This ensures the full incorporation of all necessary elements of the present federal standards, and it makes updating the regulations easier when future federal amendments occur.

Departures from the federal structure may occur for a variety of reasons and will be noted as needed below. Where more stringent pre-existing State standards exist that will continue in effect after incorporation of federal elements, the Board will incorporate a structure that retains those State standards. *See, e.g., RCRA Subtitle D Amendments (Amendments to 35 Ill. Adm. Code 810, 811, and 814)*, R93-10 (Sept. 15, 1993), slip op. at 3-5 (adding required federal elements into existing State regulations); *Safe Drinking Water Act Regulations*, R88-26 (Aug. 9, 1990), slip op. at 6-7 (retaining more stringent pre-existing State regulations within the body of new federal requirements).

### **DISCUSSION**

The following discussion begins with substantive discussion of the single USEPA action that requires Board action in this docket. The discussion concludes with a description of the types of deviations that the Board makes from the literal text of federal regulations in adopting identical-in-substance rules.

#### **Discussion of the Particular Federal Action Involved in This Docket**

##### **Updated Edition of List of Designated Methods—Section 243.108**

On June 18, 2014, USEPA released a new version of the *List of Designated Methods*. The List is not codified, and the Board did not see that USEPA published a notice for the update in the *Federal Register*. Rather, USEPA’s usual practice is simply to post a link to the updated version on the Internet (at [www.epa.gov/ttn/amtic/criteria.html](http://www.epa.gov/ttn/amtic/criteria.html)). Thus, the Board found the update in a routine on-line check for an update.

The June 18, 2014 update to the *List of Designated Methods* included a number of methods that were modified since the last version dated December 17, 2013. These were the methods modifications that appeared in the *Federal Register* on June 18, 2014, as described above. The modified methods were the following, arranged by criteria pollutant:

**Nitrogen oxides:**

Automated Equivalent Method EQNA-0414-212 (Teledyne Advanced Pollution Instrumentation, Model T500C CAPS Nitrogen Dioxide Analyzer): “Teledyne Advanced Pollution Instrumentation, Model T500C cavity attenuated phase shift spectroscopy Nitrogen Dioxide Analyzer.” Designated at 79 Fed. Reg. 34734 (June 18, 2014).

**Ozone:**

Automated Equivalent Method EQOA-0514-214 (Teledyne Advanced Pollution Instrumentation, Model T204 Analyzer): “Teledyne Advanced Pollution Instrumentation, Model T204 NOX + O3 Analyzer.” Designated at 79 Fed. Reg. 34734 (June 18, 2014).

Automated Equivalent Method EQOA-0514-215 (2B Technologies Model 211 Ozone Monitor): “2B Technologies Model 211 scrubberless Ozone Monitors.” Designated at 79 Fed. Reg. 34734 (June 18, 2014).

**Lead:**

Manual Equivalent Method EQL-0514-213: “Determination of Lead (Pb) on TSP Hi-Volume Filters by Microwave-Assisted Digestion and Time of Flight Inductively Coupled Mass Spectrometry (TOF ICP-MS).” Designated at 79 Fed. Reg. 34734 (June 18, 2014).

The *List of Designated Methods* is essential to implementation of the various NAAQS. The *List* specifies the analytical methods that are permissible for the monitoring required to demonstrate compliance with ambient air quality standards. Thus, the modifications are important to any entity or State using the particular methods.

Any person interested in the substance of the June 18, 2014 update to the List of Designated Methods should refer to that document. Any person interested in the June 18, 2014 methods approvals should refer to the appropriate *Federal Register* notice. Alternatively, interested persons could contact USEPA as directed at [www.epa.gov/ttn/amtic/criteria.html](http://www.epa.gov/ttn/amtic/criteria.html).

The December 17, 2013 version of the *List of Designated Methods* is incorporated by reference in Section 243.108. The Board has updated that incorporation by reference to the *List of Designated Methods* to the June 18, 2014 version of the *List*.

**Request for Public Comments:** The Board requests comments on the update to the incorporation by reference to the June 18, 2014 version of the *List of Designated Methods*.

**Designation of Two FRMs and Two FEMs—Section 243.108**

On November 4, 2014 (at 79 Fed. Reg. 65392), USEPA published notice of designation of four new method in the *Federal Register*. USEPA designated two new FRMs and two new FEMs. The methods are described as follows:

**Fine particulates (PM<sub>2.5</sub>):**

Manual Reference Method RFPS-1014-219 (Tisch Environmental Model TE-Wilbur 2.5 PM<sub>2.5</sub> Low-Volume Air Particulate Sampler): “Tisch Environmental Model TE-Wilbur 2.5 PM<sub>2.5</sub> Low-Volume Air Particulate Sampler.” Designated at 79 Fed. Reg. 65392 (November 4, 2014).

**Coarse particulates (PM<sub>10-2.5</sub>):**

Manual Reference Method RFPS-1014-220 (Tisch Environmental Model TE-Wilbur 2.5 PM<sub>2.5</sub> Low-Volume Air Particulate Sampler (RFPS-1014-219) and Tisch Environmental Model TE-Wilbur 10 PM<sub>10</sub> Low-Volume Air Particulate Sampler (RFPS-1014-216) operated together per instruction manual): “Tisch Environmental Model TE-Wilbur Low-Volume Air Particulate Sampler Pair.” Designated at 79 Fed. Reg. 65392 (November 4, 2014).

**Carbon monoxide (CO):**

Manual Equivalent Method EQL-0814-217: (Mercury replacement-UV photometric method): “Peak Laboratories, Model 910-170 Carbon Monoxide Analyzer.” Designated at 79 Fed. Reg. 65392 (November 4, 2014).

**Ozone:**

Automated Equivalent Method EQOA-0914-218 (2B Technologies Model 106-L or OEM-106-L Ozone Monitor): “2B Technologies Model 106-L or OEM-106-L Ozone Monitor.” Designated at 79 Fed. Reg. 65392 (November 4, 2014).

**Deviations from the Literal Text of the Federal Amendments and Non-Federally Derived Corrections and Clarifications**

The Board routinely examines federal amendments and the base text of rules open for amendments to find any areas that need correction or clarification. JCAR and the Office of the Secretary of State also routinely examine the text and suggest corrections and clarifications. Sometimes suggestions arise from the Agency, USEPA, or members of the regulated community. The Board often makes revisions as a result. The revisions thus made are not directly derived from federal amendments. The Board is ever mindful of the limited discretion authorized in the context of an identical-in-substance proceeding. The Board is limited to “those changes that are necessary for compliance with the Illinois Administrative Code,” “technical changes that in no way change the scope or meaning of any portion of the regulations,” and “apparent typographical and grammatical errors.” *See* 415 ILCS 5/7.2(a) and (a)(7) (2012). Thus, the Board will only make minor, non-substantive corrections and clarifications in this context. These corrections are non-substantive in effect.

A Table follows that documents the amendments made in this proceeding that did not derive directly from USEPA amendments to the federal NAAQS. Since the updates to federal reference methods and federal equivalent methods are not amendments to the federal NAAQS themselves, the Board lists the update to the *List of Designated Methods* and the ancillary

changes in the table.

**Table:  
Amendments Not Directly Based on Federal NAAQS Amendments**

Illinois Provision	Revision(s)
243.108, USEPA, List of Designated Reference and Equivalent Methods”	Changed “December 17, 2013” to “June 18, 2014”; changed “does not include” to “includes”; changed approvals that occurred after December 17, 2013” to “designations included in the following Federal Register notice”; changed the ending period to a colon; added the Federal Register citation, “79 Fed. Reg. 65392 (Nov. 4, 2014) (designation of two new FRMs and two new FEMs).”

### ORDER

The Board directs the Clerk to provide notice in the *Illinois Register* of the following proposed amendments to the Illinois ambient air quality regulations at 35 Ill. Adm. Code 243:

TITLE 35: ENVIRONMENTAL PROTECTION  
SUBTITLE B: AIR POLLUTION  
CHAPTER I: POLLUTION CONTROL BOARD  
SUBCHAPTER I: AIR QUALITY STANDARDS AND EPISODES

PART 243  
AIR QUALITY STANDARDS

SUBPART A: GENERAL PROVISIONS

Section	
243.101	Definitions
243.102	Scope
243.103	Applicability
243.104	Nondegradation (Repealed)
243.105	Air Quality Monitoring Data Influenced by Exceptional Events
243.106	Monitoring (Repealed)
243.107	Reference Conditions
243.108	Incorporations by Reference

SUBPART B: STANDARDS AND MEASUREMENT METHODS

Section	
243.120	PM <sub>10</sub> and PM <sub>2.5</sub>
243.121	Particulates (Repealed)
243.122	Sulfur Oxides (Sulfur Dioxide)
243.123	Carbon Monoxide
243.124	Nitrogen Oxides (Nitrogen Dioxide as Indicator)

243.125	Ozone
243.126	Lead
243.APPENDIX A	Rule into Section Table (Repealed)
243.APPENDIX B	Section into Rule Table (Repealed)
243.APPENDIX C	Past Compliance Dates (Repealed)
243.TABLE A	Schedule of Exceptional Event Flagging and Documentation Submission for New or Revised NAAQS

**AUTHORITY:** Implementing Sections 7.2 and 10 and authorized by Section 27 of the Environmental Protection Act [415 ILCS 5/7.2, 10, and 27].

**SOURCE:** Adopted as Chapter 2: Air Pollution, Part III: Air Quality Standards, in R71-23, filed and effective April 14, 1972; amended in R80-11, at 6 Ill. Reg. 5804, effective April 22, 1982; amended in R82-12, at 7 Ill. Reg. 9906, effective August 18, 1983; codified at 7 Ill. Reg. 13630; amended in R91-35 at 16 Ill. Reg. 8185, effective May 15, 1992; amended in R09-19 at 35 Ill. Reg. 18857, effective October 25, 2011; amended in R13-11 at 37 Ill. Reg. 12882, effective July 29, 2013; amended in R14-6 at 37 Ill. Reg. 19848, effective November 27, 2013; amended in R14-16 at 38 Ill. Reg. 12900, effective June 9, 2014; amended in R15-4 at 39 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_.

## SUBPART A: GENERAL PROVISIONS

### **Section 243.108 Incorporations by Reference**

The following materials are incorporated by reference. These incorporations do not include any later amendments or editions:

Government Printing Office (GPO), 732 Capitol Street NW, Washington, DC 20401 (telephone: 202-512-1800 or 866-512-1800; website: [www.gpo.gov](http://www.gpo.gov)).  
The following documents incorporated by reference are available from this source:

Appendix A-1 to 40 CFR 50 (2013) (Reference Measurement Principle and Calibration Procedure for the Measurement of Sulfur Dioxide in the Atmosphere (Ultraviolet Fluorescence Method)), referenced in Section 243.122.

Appendix A-2 to 40 CFR 50 (2013) (Reference Method for the Determination of Sulfur Dioxide in the Atmosphere (Pararosaniline Method)), referenced in Section 243.122.

Appendix B to 40 CFR 50 (2013) (Reference Method for the Determination of Suspended Particulate Matter in the Atmosphere (High-Volume Method)), referenced in appendix G to 40 CFR 50 (see below).

Appendix C to 40 CFR 50 (2013) (Reference Measurement Principle and Calibration Procedure for the Measurement of Carbon Monoxide in the

Atmosphere (Non-Dispersive Infrared Photometry)), referenced in Section 243.123.

Appendix D to 40 CFR 50 (2013) (Reference Measurement Principle and Calibration Procedure for the Measurement of Ozone in the Atmosphere), referenced in Section 243.125.

Appendix F to 40 CFR 50 (2013) (Reference Measurement Principle and Calibration Procedure for the Measurement of Nitrogen Dioxide in the Atmosphere (Gas Phase Chemiluminescence)), referenced in Section 243.124.

Appendix G to 40 CFR 50 (2013), as amended at 78 Fed. Reg. 40000 (July 3, 2013) (Reference Method for the Determination of Lead in Suspended Particulate Matter Collected from Ambient Air), referenced in Section 243.126.

Appendix H to 40 CFR 50 (2013) (Interpretation of the 1-Hour Primary and Secondary National Ambient Air Quality Standards for Ozone), referenced in Section 243.125.

Appendix I to 40 CFR 50 (2013) (Interpretation of the 8-Hour Primary and Secondary National Ambient Air Quality Standards for Ozone), referenced in Section 243.125.

Appendix J to 40 CFR 50 (2013) (Reference Method for the Determination of Particulate Matter as  $PM_{10}$  in the Atmosphere), referenced in Section 243.120.

Appendix K to 40 CFR 50 (2013) (Interpretation of the Primary and Secondary National Ambient Air Quality Standards for Particulate Matter), referenced in Section 243.120.

Appendix L to 40 CFR 50 (2013) (Reference Method for the Determination of Fine Particulate Matter as  $PM_{2.5}$  in the Atmosphere), referenced in Section 243.120.

Appendix N to 40 CFR 50 (2013), as amended at 78 Fed. Reg. 47191 (August 5, 2013) (Interpretation of the Primary and Secondary National Ambient Air Quality Standards for Particulate Matter), referenced in Section 243.120.

Appendix O to 40 CFR 50 (2013) (Reference Method for the Determination of Coarse Particulate Matter as  $PM_{10-2.5}$  in the Atmosphere), referenced in appendix Q to 40 CFR 50 and for use in federally required monitoring by the NCore system pursuant to 40 CFR 58.

Appendix P to 40 CFR 50 (2013) (Interpretation of the Primary and Secondary National Ambient Air Quality Standards for Ozone), referenced in Section 243.125.

Appendix Q to 40 CFR 50 (2013) (Reference Method for the Determination of Lead in Particulate Matter as PM10 Collected from Ambient Air), referenced in appendix R to 40 CFR 50.

Appendix R to 40 CFR 50 (2013) (Interpretation of the National Ambient Air Quality Standards for Lead), referenced in Section 243.126.

Appendix S to 40 CFR 50 (2013) (Interpretation of the Primary National Ambient Air Quality Standards for Oxides of Nitrogen (Nitrogen Dioxide)), referenced in Section 243.124.

Appendix T to 40 CFR 50 (2013) (Interpretation of the Primary National Ambient Air Quality Standards for Oxides of Sulfur (Sulfur Dioxide)), referenced in Section 243.122.

Clean Air Act, 42 USC 7401 et seq. (2011) (for definitions of terms only), referenced in Section 243.102.

BOARD NOTE: Segments of the Code of Federal Regulations and the United States Code are available for free download as PDF documents from the GPO FDsys website: <http://www.gpo.gov/fdsys/>.

USEPA, National Exposure Research Laboratory, Human Exposure & Atmospheric Sciences Division (MD-D205-03), Research Triangle Park, NC 27711. The following documents incorporated by reference are available from this source:

“List of Designated Reference and Equivalent Methods” (~~December 17, 2013~~) (June 18, 2014) (referred to as the “List of Designated Methods” and referenced in Sections 243.101, 243.120, 243.122, 243.123, 243.124, 243.125, and 243.126.

This incorporation by reference ~~does not include~~ includes USEPA methods ~~approvals that occurred after December 17, 2013.~~ designations included in the following Federal Register notice:

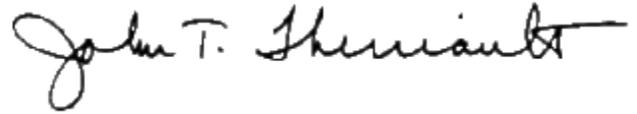
79 Fed. Reg. 65392 (Nov. 4, 2014) (designation of two new FRMs and two new FEMs).

BOARD NOTE: The List of Designated Methods is available for free download as a PDF document from the USEPA, Technology Transfer, Ambient Monitoring Technology Information Center website: <http://www.epa.gov/ttn/amtic/criteria.html>.

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

IT IS SO ORDERED.

I, John T. Therriault, Clerk of the Illinois Pollution Control Board, certify that the Board adopted the above opinion and order on November 20, 2014, by a vote of 4-0.

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.

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John T. Therriault, Clerk  
Illinois Pollution Control Board