POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

1) Heading of the Part: Nitrogen Oxides Emissions

2) Code citation: 35 Ill. Adm. Code 217

3)

Section Numbers:	Proposed Action:
217.152	Amend
217.154	Amend
217.157	Amend
217.158	Amend
217.164	Amend
217.184	Amend
217.204	Amend
217.224	Amend
217.244	Amend
217.344	Amend
217.APPENDIX H	Amend

4) Statutory authority: Implementing Section 10, and authorized by Sections 27 and 28 of the Environmental Protection Act [415 ILCS 5/10, 27, 28]

5) A complete description of the subjects and issues involved: The proposal modifies the date for compliance with the requirements of various Subparts of 35 Ill. Adm. Code 217, Nitrogen Oxides Emissions, which contain provisions relating to the control of nitrogen oxides emissions from various source categories, including emission units within these source categories such as industrial boilers, process heaters, glass melting furnaces, cement kilns, lime kilns, furnaces used in steel making and aluminum melting, and fossil-fuel fired stationary boilers. This rulemaking proposal has been prepared to extend the compliance date for the requirements under Subparts D, E, F, G, H, I, and M of Part 217 from January 1, 2012, to January 1, 2015, and as such, satisfy Illinois' obligation to submit a State Implementation Plan to address the requirements under Sections 172 and 182 of the Clean Air Act for major stationary sources of Nitrogen Oxides (NO_x) in areas designated as nonattainment with respect to the National Ambient Air Quality Standards. The proposal also amends 35 Ill. Adm. Code 217.Appendix H by deleting ExxonMobil Oil Corporation and its units and the units of ConocoPhillips Company Wood River Refinery that include compliance dates before January 1, 2015.

6) Published studies or reports, and sources of underlying data, used to compose this rulemaking: None

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

7) Will this rulemaking replace any emergency rulemaking currently in effect? No

8) Does this rulemaking contain an automatic repeal date? No

9) Does this rulemaking contain incorporations by reference? No

10) Are there any other proposed rulemakings pending on this Part? Yes

Section Numbers:	Proposed Action:	Illinois Register Citation:
217.152	Amend	34 Ill. Reg. 19830; December 27, 2010
217.388	Amend	34 Ill. Reg. 17513; November 19, 2010

11) Statement of statewide policy objectives: This proposed rulemaking does not create or enlarge a State mandate, as defined in Section 3(b) of the State Mandates Act. [30 ILCS 805/3(b)].

12) Time, place and manner in which interested persons may comment on this proposed rulemaking: The Board will accept written public comment on this proposal for a period of 45 days after the date of this publication. Comments should reference docket R11-24 and be addressed to:

John Therriault
Clerk's Office
Illinois Pollution Control Board
James R. Thompson Center, Suite 11-500
100 W. Randolph St.
Chicago, IL 60601

Interested persons may obtain copies of the Board's opinion and order by downloading them from the Board's Web site at www.ipcb.state.il.us. or by calling the Clerk's office at 312-814-3620. For more information, contact Hearing Officer Daniel Robertson at 312-814-6931 or email robertsd@ipcb.state.il.us.

13) Initial regulatory flexibility analysis:

A) Types of small businesses, small municipalities, and not-for-profit corporations affected: The proposed regulations are generally expected to affect all sources that are located in the Chicago-Gary-Lake County, IL-IN and the St. Louis, MO-IL nonattainment areas that emit or have the potential to emit NO_x in an amount

equal to or greater than 100 tons per year and any industrial boiler, process heater, glass melting furnace, cement kiln, lime kiln, iron and steel reheat, annealing, or galvanizing furnace, aluminum reverberatory or crucible furnace, or fossil fuel-fired stationary boiler within such sources that emit NO_x in an amount equal to or greater than 15 tons per year and equal to or greater than 5 tons per ozone season and subject to the provisions of the regulations.

B) Reporting, bookkeeping or other procedures required for compliance: The proposed amendments only seek to extend the compliance date for NO_x requirements for a number of source categories and do not impose any additional requirements upon affected sources outside of those reporting, bookkeeping or other procedures already required.

C) Types of professional skills necessary for compliance: The proposed amendments do not make any substantive changes to the rule language other than extending a compliance date and therefore the amendments do not impose any additional requirements upon affected sources other than those professional skills already required.

14) Regulatory Agenda on which this rulemaking was summarized: This rulemaking was not included in either of the two most recent regulatory agendas, because the need for this rulemaking was not made apparent until recently when it was recognized that the United States Environmental Protection Agency's delay in adopting the 8-hour ozone standard revision proposed in 2010 results in a situation where the existing NO_x Reasonably Available Control Technology regulations impose compliance requirements upon the regulated community prior to when they will be necessary under the Clean Air Act.

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

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

PART 217
NITROGEN OXIDES EMISSIONS

SUBPART A: GENERAL PROVISIONS

SUBPART B: NEW FUEL COMBUSTION EMISSION SOURCES

SUBPART C: EXISTING FUEL COMBUSTION EMISSION UNITS

SUBPART D: NOx GENERAL REQUIREMENTS

SUBPART E: INDUSTRIAL BOILERS

SUBPART F: PROCESS HEATERS

SUBPART G: GLASS MELTING FURNANCES

Section
217.200 Applicability
217.202 Exemptions
217.204 Emissions Limitations

SUBPART H: CEMENT AND LIME KILNS

Section
217.220 Applicability
217.222 Exemptions
217.224 Emissions Limitations

SUBPART I: IRON AND STEEL AND ALUMINUM MANUFACTURING

Section
217.240 Applicability
217.242 Exemptions
217.244 Emissions Limitations

SUBPART K: PROCESS EMISSION SOURCES

Section
217.301 Industrial Processes

SUBPART M: ELECTRICAL GENERATING UNITS

Section
217.340 Applicability
217.342 Exemptions
217.344 Emissions Limitations
217.345 Combination of Fuels

SUBPART O: CHEMICAL MANUFACTURE

Section
217.381 Nitric Acid Manufacturing Processes

SUBPART Q: STATIONARY RECIPROCATING
INTERNAL COMBUSTION ENGINES AND TURBINES

Section
217.386 Applicability
217.388 Control and Maintenance Requirements
217.390 Emissions Averaging Plans
217.392 Compliance
217.394 Testing and Monitoring
217.396 Recordkeeping and Reporting

SUBPART T: CEMENT KILNS

Section
217.400 Applicability
217.402 Control Requirements
217.404 Testing
217.406 Monitoring

217.782 Allowance Allocations to Budget Opt-In Units

SUBPART X: VOLUNTARY NOx EMISSIONS REDUCTION PROGRAM

Section
217.800 Purpose
217.805 Emission Unit Eligibility
217.810 Participation Requirements
217.815 NOx Emission Reductions and the Subpart X NOx Trading Budget
217.820 Baseline Emissions Determination
217.825 Calculation of Creditable NOx Emission Reductions
217.830 Limitations on NOx Emission Reductions
217.835 NOx Emission Reduction Proposal
217.840 Agency Action
217.845 Emissions Determination Methods
217.850 Emissions Monitoring
217.855 Reporting
217.860 Recordkeeping
217.865 Enforcement

217.APPENDIX A Rule into Section Table
217.APPENDIX B Section into Rule Table
217.APPENDIX C Compliance Dates
217.APPENDIX D Non-Electrical Generating Units
217.APPENDIX E Large Non-Electrical Generating Units
217.APPENDIX F Allowances for Electrical Generating Units
217.APPENDIX G Existing Reciprocating Internal Combustion Engines Affected by the NOx SIP Call
217.APPENDIX H Compliance Dates for Certain Emissions Units at Petroleum Refineries

~~Authority~~AUTHORITY: Implementing Sections 9.9 and 10 and authorized by Sections 27 and 28.5 of the Environmental Protection Act [415 ILCS 5/9.9, 10, 27 and 28.5 (2004)].

~~Source~~SOURCE: Adopted as Chapter 2: Air Pollution, Rule 207: Nitrogen Oxides Emissions, R71-23, 4 PCB 191, April 13, 1972, filed and effective April 14, 1972; amended at 2 Ill. Reg. 17, p. 101, effective April 13, 1978; codified at 7 Ill. Reg. 13609; amended in R01-9 at 25 Ill. Reg. 128, effective December 26, 2000; amended in R01-11 at 25 Ill. Reg. 4597, effective March 15, 2001; amended in R01-16 and R01-17 at 25 Ill. Reg. 5914, effective April 17, 2001; amended in R07-18 at 31 Ill. Reg. ~~14254,~~14271, effective September 25, 2007; amended in R07-19 at 33 Ill. Reg. 11999, effective August 6, 2009; amended in R08-19 at 33 Ill. Reg. 13345, effective August 31, 2009; amended in R09-20 at 33 Ill. Reg. 15754, effective November 2, 2009; amended in R11-24 at 35 Ill. Reg. _____, effective _____.

SUBPART D: NOx GENERAL REQUIREMENTS

Section 217.152 Compliance Date

a) Compliance with the requirements of Subparts E, F, G, H, I and M by an owner or operator of an emission unit that is subject to any of those Subparts is required beginning January 1, ~~20152012.~~2015.

b) Notwithstanding subsection (a) of this Section, compliance with the requirements of Subpart G of this Part by an owner or operator of an emission

unit subject to Subpart G of this Part shall be extended until December 31, 2014, if such units are required to meet emissions limitations for NOx, as measured using a continuous emissions monitoring system, and included within a legally enforceable order on or before December 31, 2009, whereby such emissions limitations are less than 30 percent of the emissions limitations set forth under Section 217.204.

c) Notwithstanding subsection (a) of this Section, the owner or operator of emission units subject to Subpart E or F of this Part and located at a petroleum refinery must comply with the requirements of this Subpart and Subpart E or F of this Part, as applicable, for those emission units beginning January 1, ~~20152012,~~2015, except that the owner or operator of emission units listed in Appendix H must comply with the requirements of this Subpart, including the option of demonstrating compliance with the applicable Subpart through an emissions averaging plan under Section 217.158 and Subpart E or F of this Part, as applicable, for the listed emission units beginning on the dates set forth in Appendix H. With Agency approval, the owner or operator of emission units listed in Appendix H may elect to comply with the requirements of this Subpart and Subpart E or F of this Part, as applicable, by reducing the emissions of emission units other than those listed in Appendix H, provided that the emissions limitations of such other emission units are equal to or more stringent than the applicable emissions limitations set forth in Subpart E or F of this Part, as applicable, by the dates set forth in Appendix H.

(Source: Amended at 35 Ill. Reg. _____, effective _____)

Section 217.154 Performance Testing

a) Performance testing of NOx emissions for emission units constructed on or before July 1, ~~20142011,~~2014, and subject to emissions limitations under Subpart E, F, G, H, or I of this Part must be conducted in accordance with Section 217.157 of this Subpart. Except as provided for under Section 217.157(a)(4) and (e)(1). This subsection does not apply to owners and operators of emission units demonstrating compliance through a continuous emissions monitoring system.

b) Performance testing of NOx emissions for emission units for which construction or modification occurs after July 1, ~~20142011,~~2014, and that are subject to emissions limitations under Subpart E, F, G, H, or I of this Part must be conducted within 60 days after achieving maximum operating rate but no later than 180 days after initial startup of the new or modified emission unit, in accordance with Section 217.157 of this Subpart. Except as provided for under Section 217.157(a)(4) and (e)(1), this subsection does not apply to owners and operators of emission units demonstrating compliance through a continuous emissions monitoring system, predictive emission monitoring system, or combustion tuning.

c) Notification of the initial startup of an emission unit subject to subsection (b) of this Section must be provided to the Agency no later than 30 days after initial startup.

d) The owner or operator of an emission unit subject to subsection (a) or (b) of this Section must notify the Agency of the scheduled date for the performance testing in writing at least 30 days before such date and five days before such date.

e) If demonstrating compliance through an emissions averaging plan, at least 30 days before changing the method of compliance, the owner or operator of an

emission unit must submit a written notification to the Agency describing the new method of compliance, the reason for the change in the method of compliance, and the scheduled date for performance testing, if required. Upon changing the method of compliance, the owner or operator of an emission unit must submit to the Agency a revised compliance certification that meets the requirements of Section 217.155.

(Source: Amended at 35 Ill. Reg. _____, effective _____)

Section 217.157 Testing and Monitoring

a) Industrial Boilers and Process Heaters

1) The owner or operator of an industrial boiler subject to Subpart E of this Part with a rated heat input capacity greater than 250 mmBtu/hr must install, calibrate, maintain, and operate a continuous emissions monitoring system on the emission unit for the measurement of NOx emissions discharged into the atmosphere in accordance with 40 CFR 75, as incorporated by reference in Section 217.104. However, the owner or operator of an industrial boiler subject to Subpart E of this Part with a rated heat input capacity greater than 250 mmBtu/hr that combusts blast furnace gas with up to 10% natural gas on an annual basis and located at a source that manufactures iron and steel is not required to install, calibrate, maintain, and operate a continuous emissions monitoring system on that industrial boiler, provided the heat input from natural gas does not exceed 10% on an annual basis and the owner or operator complies with the performance test requirements under this Section and demonstrates, during each performance test, that NOx emissions from the industrial boiler are less than 70% of the applicable emissions limitation under Section 217.164. In the event the owner or operator is unable to meet the requirements of this exception, a continuous emissions monitoring system is required within 12 months after that event, or by January 1, ~~2015December 31, 2012,~~2015, whichever is later.

2) The owner or operator of an industrial boiler subject to Subpart E of this Part with a rated heat input capacity greater than 100 mmBtu/hr but less than or equal to 250 mmBtu/hr must install, calibrate, maintain, and operate a continuous emissions monitoring system on such emission unit for the measurement of NOx emissions discharged into the atmosphere in accordance with 40 CFR 60, subpart A and appendix B, Performance Specifications 2 and 3, and appendix F, Quality Assurance Procedures, as incorporated by reference in Section 217.104.

3) The owner or operator of a process heater subject to Subpart F of this Part with a rated heat input capacity greater than 100 mmBtu/hr must install, calibrate, maintain, and operate a continuous emissions monitoring system on the emission unit for the measurement of NOx emissions discharged into the atmosphere in accordance with 40 CFR 60, subpart A and appendix B, Performance Specifications 2 and 3, and appendix F, Quality Assurance Procedures, as incorporated by reference in Section 217.104.

4) If demonstrating compliance through an emissions averaging plan, the owner or operator of an industrial boiler subject to Subpart E of this Part, or a process heater subject to Subpart F of this Part, with a rated heat input capacity less than or equal to 100 mmBtu/hr and not demonstrating compliance through a continuous emissions monitoring system must have an initial performance test conducted pursuant to subsection (a)(4)(B) of this Section and Section 217.154.

A) An owner or operator of an industrial boiler or process heater must have subsequent performance tests conducted pursuant to subsection (a)(4)(B) of this Section at least once every five years. When, in the opinion of the Agency or USEPA, it is necessary to conduct testing to demonstrate compliance with Section 217.164 or 217.184, as applicable, the owner or operator of an industrial boiler or process heater must, at his or her own expense, have such test conducted in accordance with the applicable test methods and procedures specified in this Section within 90 days after receipt of a notice to test from the Agency or USEPA.

B) The owner or operator of an industrial boiler or process heater must have a performance test conducted using 40 CFR 60, subpart A and appendix A, Method 1, 2, 3, 4, 7E, or 19, as incorporated by reference in Section 217.104, or other alternative USEPA methods approved by the Agency. Each performance test must consist of three separate runs, each lasting a minimum of 60 minutes. NOx emissions must be measured while the industrial boiler is operating at maximum operating capacity or while the process heater is operating at normal maximum load. If the industrial boiler or process heater has combusted more than one type of fuel in the prior year, a separate performance test is required for each fuel. If a combination of fuels is typically used, a performance test may be conducted, with Agency approval, on such combination of fuels typically used. Except as provided under subsection (e) of this Section, this subsection (a)(4)(B) does not apply if such owner or operator is demonstrating compliance with an emissions limitation through a continuous emissions monitoring system under subsection (a)(1), (a)(2), (a)(3), or (a)(5) of this Section.

5) Instead of complying with the requirements of subsection (a)(4) of this Section, an owner or operator of an industrial boiler subject to Subpart E of this Part, or a process heater subject to Subpart F of this Part, with a rated heat input capacity less than or equal to 100 mmBtu/hr may install and operate a continuous emissions monitoring system on such emission unit in accordance with the applicable requirements of 40 CFR 60, subpart A and appendix B, Performance Specifications 2 and 3, and appendix F, Quality Assurance Procedures, as incorporated by reference in Section 217.104. The continuous emissions monitoring system must be used to demonstrate compliance with the applicable emissions limitation or emissions averaging plan on an ozone season and annual basis.

6) Notwithstanding subsection (a)(2) of this Section, the owner or operator of an auxiliary boiler subject to Subpart E of this Part with a rated heat input capacity less than or equal to 250 mmBtu/hr and a capacity factor of less than or equal to 20% is not required to install, calibrate, maintain, and operate a continuous emissions monitoring system on such boiler for the measurement of NOx emissions discharged into the atmosphere, but must comply with the performance test requirements under subsection (a)(4) of this Section.

b) Glass Melting Furnaces; Cement Kilns; Lime Kilns; Iron and Steel Reheat, Annealing, and Galvanizing Furnaces; and Aluminum Reverberatory and Crucible Furnaces

1) An owner or operator of a glass melting furnace subject to Subpart G of this Part, cement kiln or lime kiln subject to Subpart H of this Part, iron and steel reheat, annealing, or galvanizing furnace subject to Subpart I of this Part, or aluminum reverberatory or crucible furnace subject to Subpart I of this Part that has the potential to emit NOx in an amount equal to or greater than one ton per day must install, calibrate, maintain, and operate a continuous emissions monitoring system on such emission unit for the measurement of NOx

emissions discharged into the atmosphere in accordance with 40 CFR 60, subpart A and appendix B, Performance Specifications 2 and 3, and appendix F, Quality Assurance Procedures, as incorporated by reference in Section 217.104.

2) An owner or operator of a glass melting furnace subject to Subpart G of this Part, cement kiln or lime kiln subject to Subpart H of this Part, iron and steel reheat, annealing, or galvanizing furnace subject to Subpart I of this Part, or aluminum reverberatory or crucible furnace subject to Subpart I of this Part that has the potential to emit NOx in an amount less than one ton per day must have an initial performance test conducted pursuant to subsection (b)(4) of this Section and Section 217.154.

3) An owner or operator of a glass melting furnace subject to Subpart G of this Part, cement kiln or lime kiln subject to Subpart H of this Part, iron and steel reheat, annealing, or galvanizing furnace subject to Subpart I of this Part, or aluminum reverberatory or crucible furnace subject to Subpart I of this Part that has the potential to emit NOx in an amount less than one ton per day must have subsequent performance tests conducted pursuant to subsection (b)(4) of this Section as follows:

A) For all glass melting furnaces subject to Subpart G of this Part, cement kilns or lime kilns subject to Subpart H of this Part, iron and steel reheat, annealing, or galvanizing furnace subject to Subpart I of this Part, or aluminum reverberatory or crucible furnaces subject to Subpart I of this Part, including all such units included in an emissions averaging plan, at least once every five years; and

B) When, in the opinion of the Agency or USEPA, it is necessary to conduct testing to demonstrate compliance with Section 217.204, 217.224, or 217.244 of this Part, as applicable, the owner or operator of a glass melting furnace, cement kiln, lime kiln, iron and steel reheat, annealing, or galvanizing furnace, or aluminum reverberatory or crucible furnace must, at his or her own expense, have such test conducted in accordance with the applicable test methods and procedures specified in this Section within 90 days after receipt of a notice to test from the Agency or USEPA.

4) The owner or operator of a glass melting furnace, cement kiln, or lime kiln must have a performance test conducted using 40 CFR 60, subpart A and appendix A, Methods 1, 2, 3, 4, and 7E, as incorporated by reference in Section 217.104 of this Part, or other alternative USEPA methods approved by the Agency. The owner or operator of an iron and steel reheat, annealing, or galvanizing furnace, or aluminum reverberatory or crucible furnace must have a performance test conducted using 40 CFR 60, subpart A and appendix A, Method 1, 2, 3, 4, 7E, or 19, as incorporated by reference in Section 217.104 of this Part, or other alternative USEPA methods approved by the Agency. Each performance test must consist of three separate runs, each lasting a minimum of 60 minutes. NOx emissions must be measured while the glass melting furnace, cement kiln, lime kiln, iron and steel reheat, annealing, or galvanizing furnace, or aluminum reverberatory or crucible furnace is operating at maximum operating capacity. If the glass melting furnace, cement kiln, lime kiln, iron and steel reheat, annealing, or galvanizing furnace, or aluminum reverberatory or crucible furnace has combusted more than one type of fuel in the prior year, a separate performance test is required for each fuel. Except as provided under subsection (e) of this Section, this subsection (b)(4) does not apply if such owner or operator is demonstrating compliance with an emissions limitation through a continuous emissions monitoring system under subsection (b)(1) or (b)(5) of this Section.

5) Instead of complying with the requirements of subsections (b)(2), (b)(3), and (b)(4) of this Section, an owner or operator of a glass melting furnace subject to Subpart G of this Part, cement kiln or lime kiln subject to Subpart H of this Part, iron and steel reheat, annealing, or galvanizing furnace subject to Subpart I of this Part, or aluminum reverberatory or crucible furnace subject to Subpart I of this Part that has the potential to emit NOx in an amount less than one ton per day may install and operate a continuous emissions monitoring system on such emission unit in accordance with the applicable requirements of 40 CFR 60, subpart A and appendix B, Performance Specifications 2 and 3, and appendix F, Quality Assurance Procedures, as incorporated by reference in Section 217.104 of this Part. The continuous emissions monitoring system must be used to demonstrate compliance with the applicable emissions limitation or emissions averaging plan on an ozone season and annual basis.

c) Fossil Fuel-Fired Stationary Boilers. The owner or operator of a fossil fuel-fired stationary boiler subject to Subpart M of this Part must install, calibrate, maintain, and operate a continuous emissions monitoring system on such emission unit for the measurement of NOx emissions discharged into the atmosphere in accordance with 40 CFR 96, subpart H.

d) Common Stacks. If two or more emission units subject to Subpart E, F, G, H, I, M, or Q of this Part are served by a common stack and the owner or operator of such emission units is operating a continuous emissions monitoring system, the owner or operator may, with written approval from the Agency, utilize a single continuous emissions monitoring system for the combination of emission units subject to Subpart E, F, G, H, I, M, or Q of this Part that share the common stack, provided such emission units are subject to an emissions averaging plan under this Part.

e) Compliance with the continuous emissions monitoring system (CEMS) requirements by an owner or operator of an emission unit who is required to install, calibrate, maintain, and operate a CEMS on the emission unit under subsection (a)(1), (a)(2), (a)(3), or (b)(1) of this Section, or who has elected to comply with the CEMS requirements under subsection (a)(5) or (b)(5) of this Section, or who has elected to comply with the predictive emission monitoring system (PEMS) requirements under subsection (f) of this Section, is required by the applicable compliance date under Section 217.152 of this Subpart. ~~following dates:~~

~~1) For the owner or operator of an emission unit that is subject to a compliance date in calendar year 2012 under Section 217.152, compliance with the CEMS or PEMS requirements, as applicable, under this Section for such emission unit is required by December 31, 2012, provided that, during the time between the compliance date and December 31, 2012, the owner or operator must comply with the applicable performance test requirements under this Section and the applicable recordkeeping and reporting requirements under this Subpart. For the owner or operator of an emission unit that is in compliance with the CEMS or PEMS requirements, as applicable, under this Section on January 1, 2012, such owner or operator is not required to comply with the performance test requirements under this Section.~~

~~2) For the owner or operator of an emission unit that is subject to a compliance date in a calendar year other than calendar year 2012 under Section 217.152 of this Subpart, compliance with the CEMS or PEMS requirements, as applicable, under this Section for such emission unit is required by the~~

~~applicable compliance date, and such owner or operator is not required to comply with the performance test requirements under this Section.~~

f) As an alternative to complying with the requirements of this Section, other than the requirements under subsections (a)(1) and (c) of this Section, the owner or operator of an emission unit who is not otherwise required by any other statute, regulation, or enforceable order to install, calibrate, maintain, and operate a CEMS on the emission unit may comply with the specifications and test procedures for a predictive emission monitoring system (PEMS) on the emission unit for the measurement of NOx emissions discharged into the atmosphere in accordance with the requirements of 40 CFR 60, subpart A and appendix B, Performance Specification 16. The PEMS must be used to demonstrate compliance with the applicable emissions limitation or emissions averaging plan on an ozone season and annual basis.

(Source: Amended at 35 Ill. Reg. _____, effective _____)

Section 217.158 Emissions Averaging Plans

a) Notwithstanding any other emissions averaging plan provisions under this Part, an owner or operator of a source with certain emission units subject to Subpart E, F, G, H, I, or M of this Part, or subject to Subpart Q of this Part that are located in either one of the areas set forth under Section 217.150(a)(1)(A)(i) or (ii), may demonstrate compliance with the applicable Subpart through an emissions averaging plan. An emissions averaging plan can only address emission units that are located at one source and each unit may only be covered by one emissions averaging plan. Such emission units at the source are affected units and are subject to the requirements of this Section.

1) The following units may be included in an emissions averaging plan:

A) Units that commenced operation on or before January 1, 2002.

B) Units that the owner or operator may claim as exempt pursuant to Section 217.162, 217.182, 217.202, 217.222, 217.242, or 217.342 of this Part, as applicable, but does not claim exempt. For as long as such a unit is included in an emissions averaging plan, it will be treated as an affected unit and subject to the applicable emissions limitations, and testing, monitoring, recordkeeping and reporting requirements.

C) Units that commence operation after January 1, 2002, if the unit replaces a unit that commenced operation on or before January 1, 2002, or it replaces a unit that replaced a unit that commenced operation on or before January 1, 2002. The new unit must be used for the same purpose and have substantially equivalent or less process capacity or be permitted for less NOx emissions on an annual basis than the actual NOx emissions of the unit or units that are replaced. Within 90 days after permanently shutting down a unit that is replaced, the owner or operator of such unit must submit a written request to withdraw or amend the applicable permit to reflect that the unit is no longer in service before the replacement unit may be included in an emissions averaging plan.

2) The following types of units may not be included in an emissions averaging plan:

A) Units that commence operation after January 1, 2002, except as provided by subsection (a)(1)(C) of this Section.

B) Units that the owner or operator is claiming are exempt pursuant to Section 217.162, 217.182, 217.202, 217.222, 217.242, or 217.342 of this Part, as applicable.

C) Units that are required to meet emission limits or control requirements for NOx as provided for in an enforceable order, unless the order allows for emissions averaging. In the case of petroleum refineries, this subsection (a)(2)(C) does not prohibit including industrial boilers or process heaters, or both, in an emissions averaging plan when an enforceable order does not prohibit the reductions made under the order from also being used for compliance with any rules or regulations designed to address regional haze or the non-attainment status of any area.

b) An owner or operator must submit an emissions averaging plan to the Agency by January 1, ~~20152012.~~2015. The plan must include, but is not limited to, the following:

1) The list of affected units included in the plan by unit identification number; and

2) A sample calculation demonstrating compliance using the methodology provided in subsection (f) of this Section for the ozone season (May 1 through September 30) and calendar year (January 1 through December 31).

c) An owner or operator may amend an emissions averaging plan only once per calendar year. Such an amended plan must be submitted to the Agency by January 1 of the applicable calendar year. If an amended plan is not received by the Agency by January 1 of the applicable calendar year, the previous year's plan will be the applicable emissions averaging plan.

d) Notwithstanding subsection (c) of this Section:

1) If a unit that is listed in an emissions averaging plan is taken out of service, the owner or operator must submit to the Agency, within 30 days after such occurrence, an updated emissions averaging plan; or

2) If a unit that was exempt from the requirements of Subpart E, F, G, H, I, or M of this Part pursuant to Section 217.162, 217.182, 217.202, 217.222, 217.242, or 217.342 of this Part, as applicable, no longer qualifies for an exemption, the owner or operator may amend its existing averaging plan to include such unit within 30 days after the unit no longer qualifies for the exemption.

e) An owner or operator must:

1) Demonstrate compliance for the ozone season (May 1 through September 30) and the calendar year (January 1 through December 31) by using the methodology and the units listed in the most recent emissions averaging plan submitted to the Agency pursuant to subsection (b) of this Section, the monitoring data or test data determined pursuant to Section 217.157, and the actual hours of operation for the applicable averaging plan period; and

2) Submit to the Agency, by March 1 following each calendar year, a compliance report containing the information required by Section 217.156(i).

f) The total mass of actual NOx emissions from the units listed in the emissions averaging plan must be equal to or less than the total mass of

allowable NOx emissions for those units for both the ozone season and calendar year. The following equation must be used to determine compliance:

Where:

===Total sum of the actual NOx mass emissions from units included in the averaging plan for each fuel used (tons per ozone season and year).=Total sum of the allowable NOx mass emissions from units included in the averaging plan for each fuel used (tons per ozone season and year).=Total mass of actual NOx emissions in tons for a unit as determined in subsection (f)(1) of this Section.i=Subscript denoting an individual unit.j=Subscript denoting the fuel type used.k=Number of different fuel types.n=Number of different units in the averaging plan.=Total mass of allowable NOx emissions in tons for a unit as determined in subsection (f)(2) of this Section.

For each unit in the averaging plan, and each fuel used by such unit, determine actual and allowable NOx emissions using the following equations:

1) Actual emissions must be determined as follows:

When emission limits are prescribed in lb/mmBtu,

=

When emission limits are prescribed in lb/ton of processed product,

=

2) Allowable emissions must be determined as follows:

When emission limits are prescribed in lb/mmBtu,

=

When emission limits are prescribed in lb/ton of processed product,

=

Where:

=Total mass of actual NOx emissions in tons for a unit. =Total mass of allowable NOx emissions in tons for a unit.=Actual NOx emission rate (lbs/mmBtu or lbs/ton of product) as determined by a performance test, a continuous emissions monitoring system, or an alternative method approved by the Agency.=Allowable NOx emission rate (lbs/mmBtu or lbs/ton of product) as provided in Section 217.164, 217.184, 217.204, 217.224, 217.244, or 217.344, as applicable. For an affected industrial boiler subject to Subpart E of this Part, or process heater subject to Subpart F of this Part, with a rated heat input capacity less than or equal to 100 mmBtu/hr demonstrating compliance through an emissions averaging plan, the allowable NOx emission rate is to be determined from a performance test after such boiler or heater has undergone combustion tuning. For all other units in an emissions averaging plan, an uncontrolled NOx emission rate from USEPA's AP-42, as incorporated by reference in Section 217.104, or an uncontrolled NOx emission rate as determined by an alternative method approved by the Agency, will be used.
H
=
Heat input (mmBtu/ozone season or mmBtu/year) calculated from fuel flow meter and the heating value of the fuel used.P=weight in tons of processed product.

g) An owner or operator of an emission unit subject to Subpart Q of this Part that is located in either one of the areas set forth under Section 217.150(a)(1)(A)(i) or (ii) that is complying through an emissions averaging plan under this Section must comply with the applicable provisions for determining actual and allowable emissions under Section 217.390, the testing and monitoring requirements under Section 217.394, and the recordkeeping and reporting requirements under Section 217.396.

h) The owner or operator of an emission unit located at a petroleum refinery who is demonstrating compliance with an applicable Subpart through an emissions averaging plan under this Section may exclude from the calculation demonstrating compliance those time periods when an emission unit included in the emissions averaging plan is shut down for a maintenance turnaround, provided that such owner or operator notify the Agency in writing at least 30 days in advance of the shutdown of the emission unit for the maintenance turnaround and the shutdown of the emission unit does not exceed 45 days per ozone season or calendar year and NOx pollution control equipment, if any, continues to operate on all other emission units operating during the maintenance turnaround.

i) The owner or operator of an emission unit that combusts a combination of coke oven gas and other gaseous fuels and that is located at a source that manufactures iron and steel who is demonstrating compliance with an applicable Subpart through an emissions averaging plan under this Section may exclude from the calculation demonstrating compliance those time periods when the coke oven gas desulfurization unit included in the emissions averaging plan is shut down for maintenance, provided that such owner or operator notify the Agency in writing at least 30 days in advance of the shutdown of the coke oven gas desulfurization unit for maintenance and such shutdown does not exceed 35 days per ozone season or calendar year and NOx pollution control equipment, if any, continues to operate on all other emission units operating during the maintenance period.

j) The owner or operator of an emission unit located at a petroleum refinery who is demonstrating compliance with an applicable Subpart through an emissions averaging plan under this Section may exclude from the calculation demonstrating compliance those time periods when NOx pollution control equipment that controls one or more emission units included in the emissions averaging plan is shut down for a maintenance turnaround, provided that:

1) the owner or operator notify the Agency in writing, at least 30 days in advance of the shutdown, of the NOx pollution control equipment for the maintenance turnaround;

2) the shutdown of the NOx pollution control equipment does not exceed 45 days per ozone season or calendar year; and

3) except for those emission units vented to the NOx pollution control equipment undergoing the maintenance turnaround, NOx pollution control equipment, if any, continues to operate on all other emission units operating during the maintenance turnaround.

(Source: Amended at 35 Ill. Reg. _____, effective _____)

SUBPART E: INDUSTRIAL BOILERS

Section 217.164 Emissions Limitations

a) Except as provided for under Section 217.152, on and after January 1, ~~20152012,~~2015, no person shall cause or allow emissions of NOx into the atmosphere from any industrial boiler to exceed the following limitations. Compliance must be demonstrated with the applicable emissions limitation on an ozone season and annual basis.

FuelEmission Unit Type and Rated Heat Input Capacity (mmBtu/hr)Nox Emissions Limitation (lb/mmBtu) or Requirement
Natural Gas or Other Gaseous Fuels
Industrial boiler greater than 100
0.08Industrial boiler less than or equal to 100Combustion tuningDistillate Fuel OilIndustrial boiler greater than 1000.10Industrial boiler less than or equal to 100Combustion tuningOther Liquid FuelsIndustrial boiler greater than 1000.15 Industrial boiler less than or equal to 100Combustion tuningSolid FuelIndustrial boiler greater than 100, circulating fluidized bed combustor0.12Industrial boiler greater than 2500.18Industrial boiler greater than 100 but less than or equal to 2500.25Industrial boiler less than or equal to 100Combustion tuning
b) For an industrial boiler combusting a combination of natural gas, coke oven gas, and blast furnace gas, the NOx emissions limitation shall be calculated using the following equation:

NOx emissions limitation for period in lb/mmBtu=
Where:

=0.084 lb/mmBtu for natural gas=the heat inpu of natural gas in Btu over that period=0.144 lb/mmBtu for coke oven gas=the heat input of coke oven gas in Btu over that period=0.0288 lb/mmBtu for blast furnace gas=the heat input of blast furnace gas in Btu over that period

(Source: Amended at 35 Ill. Reg. _____, effective _____)

SUBPART F: PROCESS HEATERS

Section 217.184 Emissions Limitations

Except as provided for under Section 217.152, on or after January 1, ~~20152012,~~2015, no person shall cause or allow emissions of NOx into the atmosphere from any process heater to exceed the following limitations. Compliance must be demonstrated with the applicable emissions limitation on an ozone season and annual basis.

FuelEmission Unit Type and Rated Heat Input Capacity (mmBtu/hr)Nox Emissions Limitation (lb/mmBtu) or Requirement
Natural Gas or Other Gaseous FuelsProcess heater greater than 100
0.08Process heater less than or equal to 100Combustion tuningResidual Fuel OilProcess heater greater than 100, natural draft0.10Process heater greater than 100, mechanical draft0.15Process heater less than or equal to 100Combustion tuningOther Liquid FuelsProcess heater greater than 100, natural draft0.05Process heater greater than 100, mechanical draft0.08Process heater less than or equal to 100Combustion tuning

(Source: Amended at 35 Ill. Reg. _____, effective _____)

SUBPART G: GLASS MELTING FURNACES

Section 217.204 Emissions Limitations

a) On and after January 1, ~~20152012,~~2015, no person shall cause or allow emissions of NOx into the atmosphere from any glass melting furnace to exceed

the following limitations. Compliance must be demonstrated with the emissions limitation on an ozone season and annual basis.

ProductEmission Unit TypeNox Emissions Limitation (lb/ton glass produced)Container GlassGlass melting furnace5.0Flat GlassGlass melting furnace7.9Other GlassGlass melting furnace11.0

b) The emissions during glass melting furnace startup (not to exceed 70 days) or furnace idling (operation at less than 35% of furnace capacity) shall be excluded from calculations for the purpose of demonstrating compliance with the seasonal and annual emissions limitations under this Section, provided that the owner or operator, at all times, including periods of startup and idling, to the extent practicable, maintain and operate any affected emission unit, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions. The owner or operator of a glass melting furnace must maintain records that include the date, time, and duration of any startup or idling in the operation of the glass melting furnace.

(Source: Amended at 35 Ill. Reg. _____, effective _____)

SUBPART H: CEMENT AND LIME KILNS

Section 217.224 Emissions Limitations

a) On and after January 1, ~~20152012,~~2015, no person shall cause or allow emissions of NOx into the atmosphere from any cement kiln to exceed the following limitations. Compliance must be demonstrated with the applicable emissions limitation on an ozone season and annual basis.

Emission Unit TypeNox Emissions Limitation (lb/ton clinker produced)Long dry kiln5.1Short dry kiln5.1Preheater kiln3.8Preheater/precalciner kiln2.8

b) On and after January 1, ~~20152012,~~2015, no person shall cause or allow emissions of NOx into the atmosphere from any lime kiln to exceed the following limitations. Compliance must be demonstrated with the applicable emissions limitation on an ozone season and annual basis.

FuelEmission Unit TypeNox Emissions Limitation (lb/ton lime produced)GasRotary kiln2.2CoalRotary kiln2.5

(Source: Amended at 35 Ill. Reg. _____, effective _____)

SUBPART I: IRON AND STEEL AND ALUMINUM MANUFACTURING

Section 217.244 Emissions Limitations

a) On and after January 1, ~~20152012,~~2015, no person shall cause or allow emissions of NOx into the atmosphere from any reheat furnace, annealing furnace, or galvanizing furnace used in iron and steel making to exceed the following limitations. Compliance must be demonstrated with the applicable emissions limitation on an ozone season and annual basis.

Emission Unit TypeNox Emissions Limitation (lb/mmBtu)Reheat furnace, regenerative0.18Reheat furnace, recuperative, combusting natural gas0.09Reheat furnace, recuperative, combusting a combination of natural gas and coke oven gas0.142Reheat furance, cold-air0.03Annealing furnace, regenerative0.38Annealing furnace, recuperative0.16Annealing furance, cold-air0.07Galvanizing furnace, regenerative0.46Galvanizing furnace, recuperative0.16Galvanizing furnace, cold air0.06

b) On and after January 1, ~~20152012,~~2015, no person shall cause or allow emissions of NOx into the atmosphere from any reverberatory furnace or crucible furnace used in aluminum melting to exceed the following limitations. Compliance must be demonstrated with the applicable emissions limitation on an ozone season and annual basis.

Emission Unit TypeNox Emissions Limitation (lb/mmBtu)Reverberatory furnace0.08Crucible furnace0.16

(Source: Amended at 35 Ill. Reg. _____, effective _____)

SUBPART M: ELECTRICAL GENERATING UNITS

Section 217.344 Emissions Limitations

On and after January 1, ~~20152012,~~2015, no person shall cause or allow emissions of NOx into the atmosphere from any fossil fuel-fired stationary boiler to exceed the following limitations. Compliance must be demonstrated with the applicable emissions limitation on an ozone season and annual basis.

FuelEmission Unit Type Nox Emissions Limitation (lb/mmBtu)SolidBoiler0.12Natural gasBoiler0.06LiquidBoiler that commenced operation before January 1, 20080.10Boiler that commenced operation on or after January 1, 20080.08

(Source: Amended at 35 Ill. Reg. _____, effective _____)

Section 217.APPENDIX H Compliance Dates for Certain Emission Units at Petroleum Refineries

~~ExxonMobil Oil Corporation (Facility ID 197800AAA)~~

~~PointEmission Unit DescriptionCompliance Date0019Crude Vacuum Heater (13-B-2)December 31, 20140038Alky Iso-Stripper Reboiler (7-B-1)December 31, 20140033CHD Charge Heater (3-B-1)December 31, 20140034CHD Stripper Reboiler (3-B-2)December 31, 20140021Coker East Charge Heater (16-B-1A)December 31, 20140021Coker East Charge Heater (16-B-1B)December 31, 20140018Crude Atmospheric Heater (1-B-1A)December 31, 20140018Crude Atmospheric Heater (1-B-1B)December 31, 2014~~

ConocoPhillips Company Wood River Refinery (Facility ID 119090AAA)

PointEmission Unit DescriptionCompliance Date~~0017 BEU HM 1December 31, 20120018BEU HM 2December 31, 20120004 CR-1 Feed Preheat, H-1December 31, 20120005CR-1 1st Interreactor Heater, H-2December 31, 20120009CR-1 3rd Interreactor Heater, H-7December 31, 20120091 CR-3 Charge HeaterDecember 31, 20120092CR-3 1st Reheat Heater, H-5December 31, 20120082Boiler 17December 31, 20120080Boiler 15December 31, 20120073Alky HM-2 HeaterDecember 31, 20120662VF-4 Charge Heater, H-28December 31, 20120664DU-4 Charge Heater, H-24December 31, 20140617DCU Charge Heater, J-20December 31, 2014001400~~14HCU Fractionator Reboil, H-3December 31, 20160024DU-1 Primary Heater South, F-301December 31, 20160025DU-1 Secondary Heater North, F-302December 31, 20160081Boiler 16December 31, 20160083Boiler 18December 31, 20160095DHT Charge HeaterDecember 31, 20160028DU-2 Lube Crude Heater, F-200December 31, 20160029DU-2 Mixed Crude Heater West, F-202December 31, 20160030DU-2 Mixed Crude Heater East, F-203December 31, 20160084CR-2 North Heater December 31, 20160661CR-2 South HeaterDecember 31, 2016

(Source: Amended at 35 Ill. Reg. _____, effective _____)

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~~ILLINOIS REGISTER~~

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

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Insertion	
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Format change	
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Deleted cell	
Moved cell	
Split/Merged cell	
Padding cell	

Statistics:	
	Count
Insertions	51
Deletions	27
Moved from	0
Moved to	0
Style change	0
Format changed	0
Total changes	78

JCAR350217-1106770r01

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

PART 217
NITROGEN OXIDES EMISSIONS

SUBPART A: GENERAL PROVISIONS

SUBPART B: NEW FUEL COMBUSTION EMISSION SOURCES

SUBPART C: EXISTING FUEL COMBUSTION EMISSION UNITS

SUBPART D: NO_x GENERAL REQUIREMENTS

SUBPART E: INDUSTRIAL BOILERS

SUBPART X: VOLUNTARY NO_x EMISSIONS REDUCTION PROGRAM

Section

AUTHORITY: Implementing Sections 9.9 and 10 and authorized by Sections 27 and 28.5 of the Environmental Protection Act [415 ILCS 5/9.9, 10, 27 and 28.5 (2004)].

SOURCE: Adopted as Chapter 2: Air Pollution, Rule 207: Nitrogen Oxides Emissions, R71-23, 4 PCB 191, April 13, 1972, filed and effective April 14, 1972; amended at 2 Ill. Reg. 17, p. 101, effective April 13, 1978; codified at 7 Ill. Reg. 13609; amended in R01-9 at 25 Ill. Reg. 128, effective December 26, 2000; amended in R01-11 at 25 Ill. Reg. 4597, effective March 15, 2001; amended in R01-16 and R01-17 at 25 Ill. Reg. 5914, effective April 17, 2001; amended in R07-18 at 31 Ill. Reg. 14271, effective September 25, 2007; amended in R07-19 at 33 Ill. Reg. 11999, effective August 6, 2009; amended in R08-19 at 33 Ill. Reg. 13345, effective August 31, 2009; amended in R09-20 at 33 Ill. Reg. 15754, effective November 2, 2009; amended in R11-24 at 35 Ill. Reg. _____, effective _____.

SUBPART D: NO_x GENERAL REQUIREMENTS

Section 217.152 Compliance Date

a) Compliance with the requirements of Subparts E, F, G, H, I and M by an owner or operator of an emission unit that is subject to any of those Subparts is required beginning January 1, 2015~~2012~~.

b) Notwithstanding subsection (a) of this Section, compliance with the requirements of Subpart G of this Part by an owner or operator of an emission unit subject to Subpart G of this Part shall be extended until December 31, 2014, if such units are required to meet emissions limitations for NO_x, as measured using a continuous emissions monitoring system, and included within a legally enforceable order on or before December 31, 2009, whereby such emissions limitations are less than 30 percent of the emissions limitations set forth under Section 217.204.

c) Notwithstanding subsection (a) of this Section, the owner or operator of emission units subject to Subpart E or F of this Part and located at a petroleum refinery must comply with the requirements of this Subpart and Subpart E or F of this Part, as applicable, for those emission units beginning January 1, 2015~~2012~~, except that the owner or operator of emission units listed in Appendix H must comply with the requirements of this Subpart, including the option of demonstrating compliance with the applicable Subpart through an emissions averaging plan under Section 217.158 and Subpart E or F of this Part, as applicable, for the listed emission units beginning on the dates set forth in Appendix H. With Agency approval, the owner or operator of emission units listed in Appendix H may elect to comply with the requirements of this Subpart and Subpart E or F of this Part, as applicable, by reducing the emissions of emission units other than those listed in Appendix H, provided that the emissions limitations of such other emission units are equal to or more stringent than the applicable emissions limitations set forth in Subpart E or F of this Part, as applicable, by the dates set forth in Appendix H.

(Source: Amended at 35 Ill. Reg. _____, effective _____)

Section 217.154 Performance Testing

a) Performance testing of NO_x emissions for emission units constructed on or before July 1, 2014~~2011~~, and subject to emissions limitations under Subpart E, F, G, H, or I of this Part must be conducted in accordance with Section 217.157 of this Subpart. Except as provided for under Section 217.157(a)(4) and (e)(1). This subsection does not apply to owners and operators of emission units demonstrating compliance through a continuous emissions monitoring system.

b) Performance testing of NO_x emissions for emission units for which construction or modification occurs after July 1, 2014~~2011~~, and that are subject to emissions

limitations under Subpart E, F, G, H, or I of this Part must be conducted within 60 days after achieving maximum operating rate but no later than 180 days after initial startup of the new or modified emission unit, in accordance with Section 217.157 of this Subpart. Except as provided for under Section 217.157(a)(4) and (e)(1), this subsection does not apply to owners and operators of emission units demonstrating compliance through a continuous emissions monitoring system, predictive emission monitoring system, or combustion tuning.

c) Notification of the initial startup of an emission unit subject to subsection (b) of this Section must be provided to the Agency no later than 30 days after initial startup.

d) The owner or operator of an emission unit subject to subsection (a) or (b) of this Section must notify the Agency of the scheduled date for the performance testing in writing at least 30 days before such date and five days before such date.

e) If demonstrating compliance through an emissions averaging plan, at least 30 days before changing the method of compliance, the owner or operator of an emission unit must submit a written notification to the Agency describing the new method of compliance, the reason for the change in the method of compliance, and the scheduled date for performance testing, if required. Upon changing the method of compliance, the owner or operator of an emission unit must submit to the Agency a revised compliance certification that meets the requirements of Section 217.155.

(Source: Amended at 35 Ill. Reg. _____, effective _____)

Section 217.157 Testing and Monitoring

a) Industrial Boilers and Process Heaters

1) The owner or operator of an industrial boiler subject to Subpart E of this Part with a rated heat input capacity greater than 250 mmBtu/hr must install, calibrate, maintain, and operate a continuous emissions monitoring system on the emission unit for the measurement of NO_x emissions discharged into the atmosphere in accordance with 40 CFR 75, as incorporated by reference in Section 217.104. However, the owner or operator of an industrial boiler subject to Subpart E of this Part with a rated heat input capacity greater than 250 mmBtu/hr that combusts blast furnace gas with up to 10% natural gas on an annual basis and located at a source that manufactures iron and steel is not required to install, calibrate, maintain, and operate a continuous emissions monitoring system on that industrial boiler, provided the heat input from natural gas does not exceed

10% on an annual basis and the owner or operator complies with the performance test requirements under this Section and demonstrates, during each performance test, that NO_x emissions from the industrial boiler are less than 70% of the applicable emissions limitation under Section 217.164. In the event the owner or operator is unable to meet the requirements of this exception, a continuous emissions monitoring system is required within 12 months after that event, or by January 1, 2015~~December 31, 2012~~, whichever is later.

2) The owner or operator of an industrial boiler subject to Subpart E of this Part with a rated heat input capacity greater than 100 mmBtu/hr but less than or equal to 250 mmBtu/hr must install, calibrate, maintain, and operate a continuous emissions monitoring system on such emission unit for the measurement of NO_x emissions discharged into the atmosphere in accordance with 40 CFR 60, subpart A and appendix B, Performance Specifications 2 and 3, and appendix F, Quality Assurance Procedures, as incorporated by reference in Section 217.104.

3) The owner or operator of a process heater subject to Subpart F of this Part with a rated heat input capacity greater than 100 mmBtu/hr must install, calibrate, maintain, and operate a continuous emissions monitoring system on the emission unit for the measurement of NO_x emissions discharged into the atmosphere in accordance with 40 CFR 60, subpart A and appendix B, Performance Specifications 2 and 3, and appendix F, Quality Assurance Procedures, as incorporated by reference in Section 217.104.

4) If demonstrating compliance through an emissions averaging plan, the owner or operator of an industrial boiler subject to Subpart E of this Part, or a process heater subject to Subpart F of this Part, with a rated heat input capacity less than or equal to 100 mmBtu/hr and not demonstrating compliance through a continuous emissions monitoring system must have an initial performance test conducted pursuant to subsection (a)(4)(B) of this Section and Section 217.154.

A) An owner or operator of an industrial boiler or process heater must have subsequent performance tests conducted pursuant to subsection (a)(4)(B) of this Section at least once every five years. When, in the opinion of the Agency or USEPA, it is necessary to conduct testing to demonstrate compliance with Section 217.164 or 217.184, as applicable, the owner or operator of an industrial boiler or process heater must, at his or her own expense, have such test conducted in accordance with the applicable test methods and

procedures specified in this Section within 90 days after receipt of a notice to test from the Agency or USEPA.

B) The owner or operator of an industrial boiler or process heater must have a performance test conducted using 40 CFR 60, subpart A and appendix A, Method 1, 2, 3, 4, 7E, or 19, as incorporated by reference in Section 217.104, or other alternative USEPA methods approved by the Agency. Each performance test must consist of three separate runs, each lasting a minimum of 60 minutes. NO_x emissions must be measured while the industrial boiler is operating at maximum operating capacity or while the process heater is operating at normal maximum load. If the industrial boiler or process heater has combusted more than one type of fuel in the prior year, a separate performance test is required for each fuel. If a combination of fuels is typically used, a performance test may be conducted, with Agency approval, on such combination of fuels typically used. Except as provided under subsection (e) of this Section, this subsection (a)(4)(B) does not apply if such owner or operator is demonstrating compliance with an emissions limitation through a continuous emissions monitoring system under subsection (a)(1), (a)(2), (a)(3), or (a)(5) of this Section.

5) Instead of complying with the requirements of subsection (a)(4) of this Section, an owner or operator of an industrial boiler subject to Subpart E of this Part, or a process heater subject to Subpart F of this Part, with a rated heat input capacity less than or equal to 100 mmBtu/hr may install and operate a continuous emissions monitoring system on such emission unit in accordance with the applicable requirements of 40 CFR 60, subpart A and appendix B, Performance Specifications 2 and 3, and appendix F, Quality Assurance Procedures, as incorporated by reference in Section 217.104. The continuous emissions monitoring system must be used to demonstrate compliance with the applicable emissions limitation or emissions averaging plan on an ozone season and annual basis.

6) Notwithstanding subsection (a)(2) of this Section, the owner or operator of an auxiliary boiler subject to Subpart E of this Part with a rated heat input capacity less than or equal to 250 mmBtu/hr and a capacity factor of less than or equal to 20% is not required to install, calibrate, maintain, and operate a continuous emissions monitoring system on such boiler for the measurement of NO_x emissions discharged into the atmosphere, but must comply with the performance test requirements under subsection (a)(4) of this Section.

b) Glass Melting Furnaces; Cement Kilns; Lime Kilns; Iron and Steel Reheat, Annealing, and Galvanizing Furnaces; and Aluminum Reverberatory and Crucible Furnaces

1) An owner or operator of a glass melting furnace subject to Subpart G of this Part, cement kiln or lime kiln subject to Subpart H of this Part, iron and steel reheat, annealing, or galvanizing furnace subject to Subpart I of this Part, or aluminum reverberatory or crucible furnace subject to Subpart I of this Part that has the potential to emit NO_x in an amount equal to or greater than one ton per day must install, calibrate, maintain, and operate a continuous emissions monitoring system on such emission unit for the measurement of NO_x emissions discharged into the atmosphere in accordance with 40 CFR 60, subpart A and appendix B, Performance Specifications 2 and 3, and appendix F, Quality Assurance Procedures, as incorporated by reference in Section 217.104.

2) An owner or operator of a glass melting furnace subject to Subpart G of this Part, cement kiln or lime kiln subject to Subpart H of this Part, iron and steel reheat, annealing, or galvanizing furnace subject to Subpart I of this Part, or aluminum reverberatory or crucible furnace subject to Subpart I of this Part that has the potential to emit NO_x in an amount less than one ton per day must have an initial performance test conducted pursuant to subsection (b)(4) of this Section and Section 217.154.

3) An owner or operator of a glass melting furnace subject to Subpart G of this Part, cement kiln or lime kiln subject to Subpart H of this Part, iron and steel reheat, annealing, or galvanizing furnace subject to Subpart I of this Part, or aluminum reverberatory or crucible furnace subject to Subpart I of this Part that has the potential to emit NO_x in an amount less than one ton per day must have subsequent performance tests conducted pursuant to subsection (b)(4) of this Section as follows:

A) For all glass melting furnaces subject to Subpart G of this Part, cement kilns or lime kilns subject to Subpart H of this Part, iron and steel reheat, annealing, or galvanizing furnace subject to Subpart I of this Part, or aluminum reverberatory or crucible furnaces subject to Subpart I of this Part, including all such units included in an emissions averaging plan, at least once every five years; and

B) When, in the opinion of the Agency or USEPA, it is necessary to conduct testing to demonstrate compliance with Section 217.204, 217.224, or 217.244 of this Part, as applicable, the owner or

operator of a glass melting furnace, cement kiln, lime kiln, iron and steel reheat, annealing, or galvanizing furnace, or aluminum reverberatory or crucible furnace must, at his or her own expense, have such test conducted in accordance with the applicable test methods and procedures specified in this Section within 90 days after receipt of a notice to test from the Agency or USEPA.

4) The owner or operator of a glass melting furnace, cement kiln, or lime kiln must have a performance test conducted using 40 CFR 60, subpart A and appendix A, Methods 1, 2, 3, 4, and 7E, as incorporated by reference in Section 217.104 of this Part, or other alternative USEPA methods approved by the Agency. The owner or operator of an iron and steel reheat, annealing, or galvanizing furnace, or aluminum reverberatory or crucible furnace must have a performance test conducted using 40 CFR 60, subpart A and appendix A, Method 1, 2, 3, 4, 7E, or 19, as incorporated by reference in Section 217.104 of this Part, or other alternative USEPA methods approved by the Agency. Each performance test must consist of three separate runs, each lasting a minimum of 60 minutes. NO_x emissions must be measured while the glass melting furnace, cement kiln, lime kiln, iron and steel reheat, annealing, or galvanizing furnace, or aluminum reverberatory or crucible furnace is operating at maximum operating capacity. If the glass melting furnace, cement kiln, lime kiln, iron and steel reheat, annealing, or galvanizing furnace, or aluminum reverberatory or crucible furnace has combusted more than one type of fuel in the prior year, a separate performance test is required for each fuel. Except as provided under subsection (e) of this Section, this subsection (b)(4) does not apply if such owner or operator is demonstrating compliance with an emissions limitation through a continuous emissions monitoring system under subsection (b)(1) or (b)(5) of this Section.

5) Instead of complying with the requirements of subsections (b)(2), (b)(3), and (b)(4) of this Section, an owner or operator of a glass melting furnace subject to Subpart G of this Part, cement kiln or lime kiln subject to Subpart H of this Part, iron and steel reheat, annealing, or galvanizing furnace subject to Subpart I of this Part, or aluminum reverberatory or crucible furnace subject to Subpart I of this Part that has the potential to emit NO_x in an amount less than one ton per day may install and operate a continuous emissions monitoring system on such emission unit in accordance with the applicable requirements of 40 CFR 60, subpart A and appendix B, Performance Specifications 2 and 3, and appendix F, Quality Assurance Procedures, as incorporated by reference in Section 217.104 of this Part. The continuous emissions monitoring system must be used to

demonstrate compliance with the applicable emissions limitation or emissions averaging plan on an ozone season and annual basis.

c) Fossil Fuel-Fired Stationary Boilers. The owner or operator of a fossil fuel-fired stationary boiler subject to Subpart M of this Part must install, calibrate, maintain, and operate a continuous emissions monitoring system on such emission unit for the measurement of NO_x emissions discharged into the atmosphere in accordance with 40 CFR 96, subpart H.

d) Common Stacks. If two or more emission units subject to Subpart E, F, G, H, I, M, or Q of this Part are served by a common stack and the owner or operator of such emission units is operating a continuous emissions monitoring system, the owner or operator may, with written approval from the Agency, utilize a single continuous emissions monitoring system for the combination of emission units subject to Subpart E, F, G, H, I, M, or Q of this Part that share the common stack, provided such emission units are subject to an emissions averaging plan under this Part.

e) Compliance with the continuous emissions monitoring system (CEMS) requirements by an owner or operator of an emission unit who is required to install, calibrate, maintain, and operate a CEMS on the emission unit under subsection (a)(1), (a)(2), (a)(3), or (b)(1) of this Section, or who has elected to comply with the CEMS requirements under subsection (a)(5) or (b)(5) of this Section, or who has elected to comply with the predictive emission monitoring system (PEMS) requirements under subsection (f) of this Section, is required by the applicable compliance date under Section 217.152 of this Subpart.~~following dates:~~

~~1) For the owner or operator of an emission unit that is subject to a compliance date in calendar year 2012 under Section 217.152, compliance with the CEMS or PEMS requirements, as applicable, under this Section for such emission unit is required by December 31, 2012, provided that, during the time between the compliance date and December 31, 2012, the owner or operator must comply with the applicable performance test requirements under this Section and the applicable recordkeeping and reporting requirements under this Subpart. For the owner or operator of an emission unit that is in compliance with the CEMS or PEMS requirements, as applicable, under this Section on January 1, 2012, such owner or operator is not required to comply with the performance test requirements under this Section.~~

~~2) For the owner or operator of an emission unit that is subject to a compliance date in a calendar year other than calendar year 2012 under~~

~~Section 217.152 of this Subpart, compliance with the CEMS or PEMS requirements, as applicable, under this Section for such emission unit is required by the applicable compliance date, and such owner or operator is not required to comply with the performance test requirements under this Section.~~

f) As an alternative to complying with the requirements of this Section, other than the requirements under subsections (a)(1) and (c) of this Section, the owner or operator of an emission unit who is not otherwise required by any other statute, regulation, or enforceable order to install, calibrate, maintain, and operate a CEMS on the emission unit may comply with the specifications and test procedures for a predictive emission monitoring system (PEMS) on the emission unit for the measurement of NO_x emissions discharged into the atmosphere in accordance with the requirements of 40 CFR 60, subpart A and appendix B, Performance Specification 16. The PEMS must be used to demonstrate compliance with the applicable emissions limitation or emissions averaging plan on an ozone season and annual basis.

(Source: Amended at 35 Ill. Reg. _____, effective _____)

Section 217.158 Emissions Averaging Plans

a) Notwithstanding any other emissions averaging plan provisions under this Part, an owner or operator of a source with certain emission units subject to Subpart E, F, G, H, I, or M of this Part, or subject to Subpart Q of this Part that are located in either one of the areas set forth under Section 217.150(a)(1)(A)(i) or (ii), may demonstrate compliance with the applicable Subpart through an emissions averaging plan. An emissions averaging plan can only address emission units that are located at one source and each unit may only be covered by one emissions averaging plan. Such emission units at the source are affected units and are subject to the requirements of this Section.

1) The following units may be included in an emissions averaging plan:

A) Units that commenced operation on or before January 1, 2002.

B) Units that the owner or operator may claim as exempt pursuant to Section 217.162, 217.182, 217.202, 217.222, 217.242, or 217.342 of this Part, as applicable, but does not claim exempt. For as long as such a unit is included in an emissions averaging plan, it will be treated as an affected unit and subject to the applicable emissions limitations, and testing, monitoring, recordkeeping and reporting requirements.

Where:

N_{act} = $\sum_{i=1}^{n}\sum_{j=1}^{k} EM_{act(i,j)}$

N_{all} = $\sum_{i=1}^{n}\sum_{j=1}^{k} EM_{all(i,j)}$

N_{act} = Total sum of the actual NO_x mass emissions from units included in the averaging plan for each fuel used (tons per ozone season and year).

N_{all} = Total sum of the allowable NO_x mass emissions from units included in the averaging plan for each fuel used (tons per ozone season and year).

$EM_{act(i)}$ = Total mass of actual NO_x emissions in tons for a unit as determined in subsection (f)(1) of this Section.

i = Subscript denoting an individual unit.

j = Subscript denoting the fuel type used.

k = Number of different fuel types.

n = Number of different units in the averaging plan.

$EM_{all(i)}$ = Total mass of allowable NO_x emissions in tons for a unit as determined in subsection (f)(2) of this Section.

For each unit in the averaging plan, and each fuel used by such unit, determine actual and allowable NO_x emissions using the following equations:

1) Actual emissions must be determined as follows:

When emission limits are prescribed in lb/mmBtu,

$$EM_{act(i)} = E_{act(i)} \times H_i / 2000$$

When emission limits are prescribed in lb/ton of processed product,

$$EM_{act(i)} = E_{act(i)} \times P_i / 2000$$

2) Allowable emissions must be determined as follows:

When emission limits are prescribed in lb/mmBtu,

$$EM_{all(i)} = E_{all(i)} \times H_i / 2000$$

When emission limits are prescribed in lb/ton of processed product,

$$EM_{all(i)} = E_{all(i)} \times P_i / 2000$$

Where:

$EM_{act(i)}$ = Total mass of actual NO_x emissions in tons for a unit.

$EM_{all(i)}$ = Total mass of allowable NO_x emissions in tons for a unit.

E_{act} = Actual NO_x emission rate (lbs/mmBtu or lbs/ton of product) as determined by a performance test, a continuous emissions monitoring system, or an alternative method approved by the Agency.

E_{all} = Allowable NO_x emission rate (lbs/mmBtu or lbs/ton of product) as provided in Section 217.164, 217.184, 217.204, 217.224, 217.244, or 217.344, as applicable. For an affected industrial boiler subject to Subpart E of this Part, or process heater subject to Subpart F of this Part, with a rated heat input capacity less than or equal to 100 mmBtu/hr demonstrating compliance through an emissions averaging plan, the allowable NO_x emission rate is to be determined from a performance test after such boiler or heater has undergone combustion tuning. For all other units in an emissions averaging plan, an uncontrolled NO_x emission rate from USEPA's AP-42, as incorporated by reference in Section 217.104, or an uncontrolled NO_x emission rate as determined by an alternative method approved by the Agency, will be used.

H = Heat input (mmBtu/ozone season or mmBtu/year) calculated from fuel flow meter and the heating value of the fuel used.

P = weight in tons of processed product.

g) An owner or operator of an emission unit subject to Subpart Q of this Part that is located in either one of the areas set forth under Section 217.150(a)(1)(A)(i) or (ii) that is complying through an emissions averaging plan under this Section must comply with the applicable provisions for determining actual and allowable

emissions under Section 217.390, the testing and monitoring requirements under Section 217.394, and the recordkeeping and reporting requirements under Section 217.396.

h) The owner or operator of an emission unit located at a petroleum refinery who is demonstrating compliance with an applicable Subpart through an emissions averaging plan under this Section may exclude from the calculation demonstrating compliance those time periods when an emission unit included in the emissions averaging plan is shut down for a maintenance turnaround, provided that such owner or operator notify the Agency in writing at least 30 days in advance of the shutdown of the emission unit for the maintenance turnaround and the shutdown of the emission unit does not exceed 45 days per ozone season or calendar year and NO_x pollution control equipment, if any, continues to operate on all other emission units operating during the maintenance turnaround.

i) The owner or operator of an emission unit that combusts a combination of coke oven gas and other gaseous fuels and that is located at a source that manufactures iron and steel who is demonstrating compliance with an applicable Subpart through an emissions averaging plan under this Section may exclude from the calculation demonstrating compliance those time periods when the coke oven gas desulfurization unit included in the emissions averaging plan is shut down for maintenance, provided that such owner or operator notify the Agency in writing at least 30 days in advance of the shutdown of the coke oven gas desulfurization unit for maintenance and such shutdown does not exceed 35 days per ozone season or calendar year and NO_x pollution control equipment, if any, continues to operate on all other emission units operating during the maintenance period.

j) The owner or operator of an emission unit located at a petroleum refinery who is demonstrating compliance with an applicable Subpart through an emissions averaging plan under this Section may exclude from the calculation demonstrating compliance those time periods when NO_x pollution control equipment that controls one or more emission units included in the emissions averaging plan is shut down for a maintenance turnaround, provided that:

1) the owner or operator notify the Agency in writing, at least 30 days in advance of the shutdown, of the NO_x pollution control equipment for the maintenance turnaround;

2) the shutdown of the NO_x pollution control equipment does not exceed 45 days per ozone season or calendar year; and

3) except for those emission units vented to the NO_x pollution control equipment undergoing the maintenance turnaround, NO_x pollution control

equipment, if any, continues to operate on all other emission units operating during the maintenance turnaround.

(Source: Amended at 35 Ill. Reg. _____, effective _____)

SUBPART E: INDUSTRIAL BOILERS

Section 217.164 Emissions Limitations

a) Except as provided for under Section 217.152, on and after January 1, 2015~~2012~~, no person shall cause or allow emissions of NO_x into the atmosphere from any industrial boiler to exceed the following limitations. Compliance must be demonstrated with the applicable emissions limitation on an ozone season and annual basis.

Fuel	Emission Unit Type and Rated Heat Input Capacity (mmBtu/hr)	No_x Emissions Limitation (lb/mmBtu) or Requirement
Natural Gas or Other Gaseous Fuels	Industrial boiler greater than 100	0.08
	Industrial boiler less than or equal to 100	Combustion tuning
Distillate Fuel Oil	Industrial boiler greater than 100	0.10
	Industrial boiler less than or equal to 100	Combustion tuning
Other Liquid Fuels	Industrial boiler greater than 100	0.15
	Industrial boiler less than or equal to 100	Combustion tuning
Solid Fuel	Industrial boiler greater than 100, circulating fluidized bed combustor	0.12

Industrial boiler greater than 250	0.18
Industrial boiler greater than 100 but less than or equal to 250	0.25
Industrial boiler less than or equal to 100	Combustion tuning

b) For an industrial boiler combusting a combination of natural gas, coke oven gas, and blast furnace gas, the NO_x emissions limitation shall be calculated using the following equation:

$$\text{NO}_x \text{ emissions limitation for period in lb/mmBtu} = \frac{(NO_{x_{NG}} * Btu_{NG}) + (NO_{x_{COG}} * Btu_{COG}) + (NO_{x_{BFG}} * Btu_{BFG})}{Btu_{NG} + Btu_{COG} + Btu_{BFG}}$$

Where:

$NO_{x_{NG}}$ = 0.084 lb/mmBtu for natural gas

Btu_{NG} = the heat inpu of natural gas in Btu over that period

$NO_{x_{COG}}$ = 0.144 lb/mmBtu for coke oven gas

Btu_{COG} = the heat input of coke oven gas in Btu over that period

$NO_{x_{BFG}}$ = 0.0288 lb/mmBtu for blast furnace gas

Btu_{BFG} = the heat input of blast furnace gas in Btu over that period

(Source: Amended at 35 Ill. Reg. _____, effective _____)

SUBPART F: PROCESS HEATERS

Section 217.184 Emissions Limitations

Except as provided for under Section 217.152, on or after January 1, 2015~~2012~~, no person shall cause or allow emissions of NO_x into the atmosphere from any process heater to exceed the

following limitations. Compliance must be demonstrated with the applicable emissions limitation on an ozone season and annual basis.

Fuel	Emission Unit Type and Rated Heat Input Capacity (mmBtu/hr)	No_x Emissions Limitation (lb/mmBtu) or Requirement
Natural Gas or Other Gaseous Fuels	Process heater greater than 100	0.08
	Process heater less than or equal to 100	Combustion tuning
Residual Fuel Oil	Process heater greater than 100, natural draft	0.10
	Process heater greater than 100, mechanical draft	0.15
	Process heater less than or equal to 100	Combustion tuning
Other Liquid Fuels	Process heater greater than 100, natural draft	0.05
	Process heater greater than 100, mechanical draft	0.08
	Process heater less than or equal to 100	Combustion tuning

(Source: Amended at 35 Ill. Reg. _____, effective _____)

SUBPART G: GLASS MELTING FURNACES

Section 217.204 Emissions Limitations

a) On and after January 1, 20152012, no person shall cause or allow emissions of NO_x into the atmosphere from any glass melting furnace to exceed the following limitations. Compliance must be demonstrated with the emissions limitation on an ozone season and annual basis.

Product	Emission Unit Type	No_x Emissions Limitation (lb/ton glass produced)

Fuel	Emission Unit Type	No_x Emissions Limitation (lb/ton lime produced)
Gas	Rotary kiln	2.2
Coal	Rotary kiln	2.5

(Source: Amended at 35 Ill. Reg. _____, effective _____)

SUBPART I: IRON AND STEEL AND ALUMINUM MANUFACTURING

Section 217.244 Emissions Limitations

a) On and after January 1, 20152~~2012~~, no person shall cause or allow emissions of NO_x into the atmosphere from any reheat furnace, annealing furnace, or galvanizing furnace used in iron and steel making to exceed the following limitations. Compliance must be demonstrated with the applicable emissions limitation on an ozone season and annual basis.

Emission Unit Type	No_x Emissions Limitation (lb/mmBtu)
Reheat furnace, regenerative	0.18
Reheat furnace, recuperative, combusting natural gas	0.09
Reheat furnace, recuperative, combusting a combination of natural gas and coke oven gas	0.142
Reheat furance, cold-air	0.03
Annealing furnace, regenerative	0.38
Annealing furnace, recuperative	0.16
Annealing furance, cold-air	0.07
Galvanizing furnace, regenerative	0.46
Galvanizing furnace, recuperative	0.16
Galvanizing furnace, cold air	0.06

Industrial boiler greater than 250	0.18
Industrial boiler greater than 100 but less than or equal to 250	0.25
Industrial boiler less than or equal to 100	Combustion tuning

b) For an industrial boiler combusting a combination of natural gas, coke oven gas, and blast furnace gas, the NO_x emissions limitation shall be calculated using the following equation:

$$\text{NO}_x \text{ emissions limitation for period in lb/mmBtu} = \frac{(NO_{x_{NG}} * Btu_{NG}) + (NO_{x_{COG}} * Btu_{COG}) + (NO_{x_{BFG}} * Btu_{BFG})}{Btu_{NG} + Btu_{COG} + Btu_{BFG}}$$

Where:

$NO_{x_{NG}}$ = 0.084 lb/mmBtu for natural gas

Btu_{NG} = the heat inpu of natural gas in Btu over that period

$NO_{x_{COG}}$ = 0.144 lb/mmBtu for coke oven gas

Btu_{COG} = the heat input of coke oven gas in Btu over that period

$NO_{x_{BFG}}$ = 0.0288 lb/mmBtu for blast furnace gas

Btu_{BFG} = the heat input of blast furnace gas in Btu over that period

(Source: Amended at 35 Ill. Reg. _____, effective _____)

SUBPART F: PROCESS HEATERS

Section 217.184 Emissions Limitations

Except as provided for under Section 217.152, on or after January 1, 2015~~2012~~, no person shall cause or allow emissions of NO_x into the atmosphere from any process heater to exceed the

following limitations. Compliance must be demonstrated with the applicable emissions limitation on an ozone season and annual basis.

Fuel	Emission Unit Type and Rated Heat Input Capacity (mmBtu/hr)	No_x Emissions Limitation (lb/mmBtu) or Requirement
Natural Gas or Other Gaseous Fuels	Process heater greater than 100	0.08
	Process heater less than or equal to 100	Combustion tuning
Residual Fuel Oil	Process heater greater than 100, natural draft	0.10
	Process heater greater than 100, mechanical draft	0.15
	Process heater less than or equal to 100	Combustion tuning
Other Liquid Fuels	Process heater greater than 100, natural draft	0.05
	Process heater greater than 100, mechanical draft	0.08
	Process heater less than or equal to 100	Combustion tuning

(Source: Amended at 35 Ill. Reg. _____, effective _____)

SUBPART G: GLASS MELTING FURNACES

Section 217.204 Emissions Limitations

a) On and after January 1, 20152~~2012~~, no person shall cause or allow emissions of NO_x into the atmosphere from any glass melting furnace to exceed the following limitations. Compliance must be demonstrated with the emissions limitation on an ozone season and annual basis.

Product	Emission Unit Type	No_x Emissions Limitation (lb/ton glass produced)

Container Glass	Glass melting furnace	5.0
Flat Glass	Glass melting furnace	7.9
Other Glass	Glass melting furnace	11.0

b) The emissions during glass melting furnace startup (not to exceed 70 days) or furnace idling (operation at less than 35% of furnace capacity) shall be excluded from calculations for the purpose of demonstrating compliance with the seasonal and annual emissions limitations under this Section, provided that the owner or operator, at all times, including periods of startup and idling, to the extent practicable, maintain and operate any affected emission unit, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions. The owner or operator of a glass melting furnace must maintain records that include the date, time, and duration of any startup or idling in the operation of the glass melting furnace.

(Source: Amended at 35 Ill. Reg. _____, effective _____)

SUBPART H: CEMENT AND LIME KILNS

Section 217.224 Emissions Limitations

a) On and after January 1, 20152~~2012~~, no person shall cause or allow emissions of NO_x into the atmosphere from any cement kiln to exceed the following limitations. Compliance must be demonstrated with the applicable emissions limitation on an ozone season and annual basis.

Emission Unit Type	No_x Emissions Limitation (lb/ton clinker produced)
Long dry kiln	5.1
Short dry kiln	5.1
Preheater kiln	3.8
Preheater/precalciner kiln	2.8

b) On and after January 1, 20152~~2012~~, no person shall cause or allow emissions of NO_x into the atmosphere from any lime kiln to exceed the following limitations. Compliance must be demonstrated with the applicable emissions limitation on an ozone season and annual basis.

Fuel	Emission Unit Type	No_x Emissions Limitation (lb/ton lime produced)
Gas	Rotary kiln	2.2
Coal	Rotary kiln	2.5

(Source: Amended at 35 Ill. Reg. _____, effective _____)

SUBPART I: IRON AND STEEL AND ALUMINUM MANUFACTURING

Section 217.244 Emissions Limitations

a) On and after January 1, 20152~~2012~~, no person shall cause or allow emissions of NO_x into the atmosphere from any reheat furnace, annealing furnace, or galvanizing furnace used in iron and steel making to exceed the following limitations. Compliance must be demonstrated with the applicable emissions limitation on an ozone season and annual basis.

Emission Unit Type	No_x Emissions Limitation (lb/mmBtu)
Reheat furnace, regenerative	0.18
Reheat furnace, recuperative, combusting natural gas	0.09
Reheat furnace, recuperative, combusting a combination of natural gas and coke oven gas	0.142
Reheat furance, cold-air	0.03
Annealing furnace, regenerative	0.38
Annealing furnace, recuperative	0.16
Annealing furance, cold-air	0.07
Galvanizing furnace, regenerative	0.46
Galvanizing furnace, recuperative	0.16
Galvanizing furnace, cold air	0.06

b) On and after January 1, 20152~~2012~~, no person shall cause or allow emissions of NO_x into the atmosphere from any reverberatory furnace or crucible furnace used in aluminum melting to exceed the following limitations. Compliance must be demonstrated with the applicable emissions limitation on an ozone season and annual basis.

Emission Unit Type	No_x Emissions Limitation (lb/mmBtu)
Reverberatory furnace	0.08
Crucible furnace	0.16

(Source: Amended at 35 Ill. Reg. _____, effective _____)

SUBPART M: ELECTRICAL GENERATING UNITS

Section 217.344 Emissions Limitations

On and after January 1, 20152~~2012~~, no person shall cause or allow emissions of NO_x into the atmosphere from any fossil fuel-fired stationary boiler to exceed the following limitations. Compliance must be demonstrated with the applicable emissions limitation on an ozone season and annual basis.

Fuel	Emission Unit Type	No_x Emissions Limitation (lb/mmBtu)
Solid	Boiler	0.12
Natural gas	Boiler	0.06
Liquid	Boiler that commenced operation before January 1, 2008	0.10
	Boiler that commenced operation on or after January 1, 2008	0.08

(Source: Amended at 35 Ill. Reg. _____, effective _____)

827
828 **Section 217.APPENDIX H Compliance Dates for Certain Emission Units at Petroleum**
829 **Refineries**
830
831 ~~ExxonMobil Oil Corporation (Facility ID 197800AAA)~~
832

~~Point~~	~~Emission Unit Description~~	~~Compliance Date~~
~~0019~~	~~Crude Vacuum Heater (13-B-2)~~	~~December 31, 2014~~
~~0038~~	~~Alky Iso-Stripper Reboiler (7-B-1)~~	~~December 31, 2014~~
~~0033~~	~~CHD Charge Heater (3-B-1)~~	~~December 31, 2014~~
~~0034~~	~~CHD Stripper Reboiler (3-B-2)~~	~~December 31, 2014~~
~~0021~~	~~Coker East Charge Heater (16-B-1A)~~	~~December 31, 2014~~
~~0021~~	~~Coker East Charge Heater (16-B-1B)~~	~~December 31, 2014~~
~~0018~~	~~Crude Atmospheric Heater (1-B-1A)~~	~~December 31, 2014~~
~~0018~~	~~Crude Atmospheric Heater (1-B-1B)~~	~~December 31, 2014~~

833
834 ConocoPhillips Company Wood River Refinery (Facility ID 119090AAA)
835

Point	Emission Unit Description	Compliance Date
~~0017~~	~~BEU-HM-1~~	~~December 31, 2012~~
~~0018~~	~~BEU-HM-2~~	~~December 31, 2012~~
~~0004~~	~~CR-1 Feed Preheat, H-1~~	~~December 31, 2012~~
~~0005~~	~~CR-1 1st Interreactor Heater, H-2~~	~~December 31, 2012~~
~~0009~~	~~CR-1 3rd Interreactor Heater, H-7~~	~~December 31, 2012~~
~~0091~~	~~CR-3 Charge Heater~~	~~December 31, 2012~~
~~0092~~	~~CR-3 1st Reheat Heater, H-5~~	~~December 31, 2012~~
~~0082~~	~~Boiler 17~~	~~December 31, 2012~~
~~0080~~	~~Boiler 15~~	~~December 31, 2012~~
~~0073~~	~~Alky HM-2 Heater~~	~~December 31, 2012~~
~~0662~~	~~VF-4 Charge Heater, H-28~~	~~December 31, 2012~~
~~0664~~	~~DU-4 Charge Heater, H-24~~	~~December 31, 2014~~
~~0617~~	~~DCU Charge Heater, J-20~~	~~December 31, 2014~~
0014	HCU Fractionator Reboil, H-3	December 31, 2016
0024	DU-1 Primary Heater South, F-301	December 31, 2016
0025	DU-1 Secondary Heater North, F-302	December 31, 2016
0081	Boiler 16	December 31, 2016
0083	Boiler 18	December 31, 2016

0095	DHT Charge Heater	December 31, 2016
0028	DU-2 Lube Crude Heater, F-200	December 31, 2016
0029	DU-2 Mixed Crude Heater West, F-202	December 31, 2016
0030	DU-2 Mixed Crude Heater East, F-203	December 31, 2016
0084	CR-2 North Heater	December 31, 2016
0661	CR-2 South Heater	December 31, 2016

836

837 (Source: Amended at 35 Ill. Reg. _____, effective _____)

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF PROPOSED AMENDMENTS

1) Heading of the Part: Family Practice Residency Code

2) Code Citation: 77 Ill. Adm. Code 590

3)

Section Numbers:	Proposed Action:
590.10	Repeal
590.20	Amend
590.30	Amend
590.40	Amend
590.60	New
590.100	Amend
590.120	Amend
590.130	Amend
590.140	Amend
590.150	New
590.160	New
590.170	New
590.200	Amend
590.210	Amend
590.220	Amend
590.230	Amend
590.240	Amend
590.300	Amend
590.310	Amend
590.320	Amend
590.330	Amend
590.400	Amend
590.410	Amend
590.420	Amend
590.APPENDIX A	Repeal
590.APPENDIX B	Repeal
590.APPENDIX C	Repeal
590.APPENDIX D	Repeal

4) Statutory Authority: Family Practice Residency Act [110 ILCS 935]

5) A Complete Description of the Subjects and Issues Involved: The proposed rulemaking will clarify scholarship repayment terms; requires repayment from those scholarship recipients who fail medical school, withdraw from medical school or graduate from medical school but fail to obtain a medical license; and expands practice opportunities

with underserved populations. The proposal will also incorporate requirements of the Illinois Grant Funds Recovery Act as it pertains to grants issued to family practice residency programs. Further, the proposal will incorporate certification requirements for grantees from Public Act 96-1064. Finally, the rulemaking will remove the Department's obligation to annually provide paper copies of a list of designated shortage areas in the State by providing Internet access to listings of designated shortage areas and populations. Appendices A, B, C and D will be also repealed.

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

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

6) Published studies or reports, and sources of underlying data, used to compose this rulemaking: None

7) Will this rulemaking replace any emergency rulemaking currently in effect? No

8) Does this rulemaking contain an automatic repeal date? No

9) Does this rulemaking contain incorporations by reference? Yes

10) Are there any other proposed rulemakings pending on this Part? No

11) Statement of Statewide Policy Objective: These proposed amendments neither create nor expand any State mandate on units of local government, school districts or community college districts.

12) Time, Place and Manner in which interested persons may comment on this proposed rulemaking: Interested persons may submit written comments within 45 days after the date of publication to:

Susan Meister
Illinois Department of Public Health
Division of Legal Services
535 West Jefferson Street, Fifth Floor
Springfield, Illinois 62761

Phone: 217/782-2043

DEPARTMENT OF PUBLIC HEALTH

NOTICE OF PROPOSED AMENDMENTS

Fax: 217/524-8165
e-mail: dph.rules@illinois.gov

13) Initial Regulatory Flexibility Analysis:

A) Types of small business, small municipalities and non-for-profit corporations affected: None

B) Reporting, bookkeeping or other procedures required for compliance: None

C) Types of professional skills necessary for compliance: None

14) Regulatory Agenda on which this rulemaking was summarized: January 2010

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