OFFICE OF THE SECRETARY OF STATE

JESSE WHITE • Secretary of State

August 13, 2009

POLLUTION CONTROL BOARD
JOHN THERRIAULT ASSISTANT CLERK
100 W RANDOLPH ST, STE 11-500
CHICAGO, IL 60601

Dear JOHN THERRIAULT ASSISTANT CLERK

Your rules Listed below met our codification standards and have been published in Volume 33, Issue 34 of the Illinois Register, dated 8/21/2009.

ADOPTED RULES

Permits and General Provisions
35 Ill. Adm. Code 201 — 11965
Point of Contact: Nancy Miller

Definitions and General Provisions
35 Ill. Adm. Code 211 — 11982
Point of Contact: Nancy Miller

Nitrogen Oxides Emissions
35 Ill. Adm. Code 217 — 11999
Point of Contact: Nancy Miller

If you have any questions, you may contact the Administrative Code Division at (217) 782 - 7017.

COPY

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

1) Heading of the Part: Permits and General Provisions

2) Code Citation: 35 Ill. Adm. Code 201

3) Section Numbers: Proposed Action:

201.146 Amend

4) Statutory Authority: 415 ILCS 5/27 and 28

5) Effective Date of Amendments: AUG - 6 2009

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

7) Do these amendments contain incorporations by reference? No

8) The adopted amendments, including any material incorporated by reference, are on file in the Board's Chicago office at the James R. Thompson Center, 100 W. Randolph, Suite 11-500, and are available for public inspection.

9) Notice of Proposal Published in Illinois Register: October 31, 2008, 32 Ill. Reg. 17035

10) Has JCAR issued a Statement of Objections to these amendments? No

11) Differences between proposal and final version:
There have been no substantive amendments since First Notice publication in the *Illinois Register*.

12) Have all the changes agreed upon by the agency and JCAR been made as indicated in the agreements letter issued by JCAR? Yes

13) Will these amendments replace emergency amendments currently in effect? No

14) Are there any amendments pending on this Part? No.

15) Summary and Purpose of Amendments:

The amendments control NO_x emissions from engines and turbines located at 100 ton per year sources located in the Chicago and Metro East/St. Louis nonattainment areas with a capacity of 500 brake horsepower (bhp) or 3.5 megawatts (MW). In first proposing the

amendments, the Agency stated that the regulations would help Illinois to meet Clean Air Act (CAA) requirements for NO_x reasonably available control technology (RACT) under the eight-hour National Ambient Air Quality Standard (NAAQS) for ozone and would also improve air quality by reducing precursors of fine particulate matter ($PM_{2.5}$).

In Part 201, the proposal substantively amends only a single exemption from state permit requirements in order to conform with amendments to Part 217 proposed in the same Board rulemaking docket.

16) Information and questions regarding these adopted amendments shall be directed to:

Tim Fox
Illinois Pollution Control Board
100 W. Randolph Suite 11-500
Chicago, IL 60601
312-814-6085

Copies of the Board's opinions and orders may be requested from the Clerk of the Board at the address listed in #8 above or by calling 312/814-3620. Please refer to the Docket number R07-19 in your request. The Board order is also available from the Board's Web site (www.ipcb.state.il.us)

The full text of the Adopted Amendment begins on the next page:

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

TITLE 35: ENVIRONMENTAL PROTECTION
SUBTITLE B: AIR POLLUTION
CHAPTER I: POLLUTION CONTROL BOARD
SUBCHAPTER a: PERMITS AND GENERAL PROVISIONS

PART 201
PERMITS AND GENERAL PROVISIONS

SUBPART A: DEFINITIONS

SUBPART B: GENERAL PROVISIONS

SUBPART C: PROHIBITIONS

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

SUBPART D: PERMIT APPLICATIONS AND REVIEW PROCESS

SUBPART E: SPECIAL PROVISIONS FOR OPERATING PERMITS FOR CERTAIN SMALLER SOURCES

SUBPART F: CAAPP PERMITS

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

SUBPART G: EXPERIMENTAL PERMITS (Reserved)

SUBPART H: COMPLIANCE PROGRAMS AND PROJECT COMPLETION SCHEDULES

SUBPART I: MALFUNCTIONS, BREAKDOWNS OR STARTUPS

SUBPART J: MONITORING AND TESTING

SUBPART K: RECORDS AND REPORTS

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

SUBPART L: CONTINUOUS MONITORING

Section
201.401 Continuous Monitoring Requirements
201.402 Alternative Monitoring
201.403 Exempt Sources
201.404 Monitoring System Malfunction
201.405 Excess Emission Reporting
201.406 Data Reduction
201.407 Retention of Information
201.408 Compliance Schedules

201.APPENDIX A Rule into Section Table
201.APPENDIX B Section into Rule Table
201.APPENDIX C Past Compliance Dates

AUTHORITY: Implementing Sections 10, 39, and 39.5 and authorized by Sections 27 and 28.5 of the Environmental Protection Act [415 ILCS 5/10, 27, 28.5, 39, and 39.5].

SOURCE: Adopted as Chapter 2: Air Pollution, Part I: General Provisions, in R71-23, 4 PCB 191, filed and effective April 14, 1972; amended in R78-3 and 4, 35 PCB 75 and 243, at 3 Ill. Reg. 30, p. 124, effective July 28, 1979; amended in R80-5, at 7 Ill. Reg. 1244, effective January 21, 1983; codified at 7 Ill. Reg. 13579; amended in R82-1 (Docket A) at 10 Ill. Reg. 12628, effective July 7, 1986; amended in R87-38 at 13 Ill. Reg. 2066, effective February 3, 1989; amended in R89-7(A) at 13 Ill. Reg. 19444, effective December 5, 1989; amended in R89-7(B) at 15 Ill. Reg. 17710, effective November 26, 1991; amended in R93-11 at 17 Ill. Reg. 21483, effective December 7, 1993; amended in R94-12 at 18 Ill. Reg. 15002, effective September 21, 1994; amended in R94-14 at 18 Ill. Reg. 15760, effective October 17, 1994; amended in R96-17 at 21 Ill. Reg. 7878, effective June 17, 1997; amended in R98-13 at 22 Ill. Reg. 11451, effective June 23, 1998; amended in R98-28 at 22 Ill. Reg. 11823, effective July 31, 1998; amended in R02-10 at 27 Ill. Reg. 5820, effective March 21, 2003; amended in R05-19 and R05-20 at 30 Ill. Reg. 4901, effective March 3, 2006; amended in R07-19 at 33 Ill. Reg. _____, effective _____.

SUBPART C: PROHIBITIONS

Section 201.146 Exemptions from State Permit Requirements

Construction or operating permits, pursuant to Sections 201.142, 201.143 and 201.144 of this Part, are not required for the classes of equipment and activities listed below in this Section. The

permitting exemptions in this Section do not relieve the owner or operator of any source from any obligation to comply with any other applicable requirements, including the obligation to obtain a permit pursuant to Sections 9.1(d) and 39.5 of the Act, sections~~Sections~~ 165, 173 and 502 of the Clean Air Act or any other applicable permit or registration requirements.

a) Air contaminant detectors or recorders, combustion controllers or combustion shutoffs;

b) Air conditioning or ventilating equipment not designed to remove air contaminants generated by or released from associated equipment;

c) Each fuel burning emission unit for indirect systems and for heating and reheating furnace systems used exclusively for residential, or commercial establishments using gas and/or fuel oil exclusively with a design heat input capacity of less than 14.6 MW (50 mmbtu/hr), except that a permit shall be required for any such emission unit with a design heat input capacity of at least 10 mmbtu/hr that was constructed, reconstructed or modified after June 9, 1989 and that is subject to 40 CFR 60, subpart~~Subpart~~ D;

d) Each fuel burning emission unit other than those listed in subsection (c) of this Section for direct systems used for comfort heating purposes and indirect heating systems with a design heat input capacity of less than 2930 kW (10 mmbtu/hr);

e) Internal combustion engines or boilers (including the fuel system) of motor vehicles, locomotives, air craft, watercraft, lifttrucks and other vehicles powered by nonroad engines;

f) Bench scale laboratory equipment and laboratory equipment used exclusively for chemical and physical analysis, including associated laboratory fume hoods, vacuum producing devices and control devices installed primarily to address potential accidental releases;

g) Coating operations located at a source using not in excess of 18,925 1 (5,000 gal) of coating (including thinner) per year;

h) Any emission unit acquired exclusively for domestic use, except that a permit shall be required for any incinerator and for any fuel combustion emission unit using solid fuel with a design heat input capacity of 14.6 MW (50 mmbtu/hr) or more;

i) Any stationary internal combustion engine with a rated power output of less than 1118 kW (1500 bhp~~horsepower~~) or stationary turbine, except that a permit shall be required for the following:

1) Any internal combustion engine with a rating at equal to or greater than 500 bhp output that is subject to the control requirements of 35 Ill. Adm. Code 217.388(a) or (b); or

2) Any~~any~~ stationary gas turbine engine with a rated heat input at peak load of 10.7 gigajoules/hr (10 mmbtu/hr) or more that is constructed, reconstructed or modified after October 3, 1977 and that is subject to requirements of 40 CFR 60, subpart~~Subpart~~ GG;

j) Rest room facilities and associated cleanup operations, and stacks or vents used to prevent the escape of sewer gases through plumbing traps;

k) Safety devices designed to protect life and limb, provided that a permit is not otherwise required for the emission unit with which the safety device is associated;

l) Storage tanks for liquids for retail dispensing except for storage tanks that are subject to the requirements of 35 Ill. Adm. Code 215.583(a)(2), 218.583(a)(2) or 219.583(a)(2);

m) Printing operations with aggregate organic solvent usage that never exceeds 2,839 l (750 gal) per year from all printing lines at the source, including organic solvent from inks, dilutents, fountain solutions and cleaning materials;

n) Storage tanks of:

1) Organic liquids with a capacity of less than 37,850 l (10,000 gal), provided the storage tank is not used to store any material listed as a hazardous air pollutant pursuant to section~~Section~~ 112(b) of the Clean Air Act, and provided the storage tank is not subject to the requirements of 35 Ill. Adm. Code 215.583(a)(2), 218.583(a)(2) or 219.583(a)(2);

2) Any size containing exclusively soaps, detergents, surfactants, waxes, glycerin, vegetable oils, greases, animal fats, sweetener, corn syrup, aqueous salt solutions or aqueous caustic solutions, provided an organic solvent has not been mixed with such materials; or

3) Any size containing virgin or re-refined distillate oil, hydrocarbon condensate from natural gas pipeline or storage systems, lubricating oil or residual fuel oils;~~.~~

o) Threaded pipe connections, vessel manways, flanges, valves, pump seals, pressure relief valves, pressure relief devices and pumps;

p) Sampling connections used exclusively to withdraw materials for testing and analyses;

q) All storage tanks of Illinois crude oil with capacity of less than 151,400 1 (40,000 gal) located on oil field sites;

r) All organic material-water single or multiple compartment effluent water separator facilities for Illinois crude oil of vapor pressure of less than 34.5 kPa absolute (5 psia);

s) Grain-handling operations, exclusive of grain-drying operations, with an annual grain through-put not exceeding 300,000 bushels;

t) Grain-drying operations with a total grain-drying capacity not exceeding 750 bushels per hour for 5% moisture extraction at manufacturer's rated capacity, using the American Society of Agricultural Engineers Standard 248.2, Section 9, Basis for Stating Drying Capacity of Batch and Continuous-Flow Grain Dryers;

u) Portable grain-handling equipment and one-turn storage space;

v) Cold cleaning degreasers that are not in-line cleaning machines, where the vapor pressure of the solvents used never exceeds 2 kPa (15 mmHg or 0.3 psi) measured at 38°C (100°F) or 0.7 kPa (5 mmHg or 0.1 psi) at 20°C (68°F);

w) Coin-operated dry cleaning operations;

x) Dry cleaning operations at a source that consume less than 30 gallons per month of perchloroethylene;

y) Brazing, soldering, wave soldering or welding equipment, including associated ventilation hoods;

z) Cafeterias, kitchens, and other similar facilities, including smokehouses, used for preparing food or beverages, but not including facilities used in the manufacturing and wholesale distribution of food, beverages, food or beverage products, or food or beverage components;

aa) Equipment for carving, cutting, routing, turning, drilling, machining, sawing, surface grinding, sanding, planing, buffing, sand blast cleaning, shot blasting, shot peening, or polishing ceramic artwork, leather, metals (other than beryllium), plastics, concrete, rubber, paper stock, wood or wood products, where such equipment is either:

1) Used for maintenance activity;

2) Manually operated;

3) Exhausted inside a building; or

4) Vented externally with emissions controlled by an appropriately operated cyclonic inertial separator (cyclone), filter, electro-static precipitor or a scrubber;~~,~~

bb) Feed mills that produce no more than 10,000 tons of feed per calendar year, provided that a permit is not otherwise required for the source pursuant to Section 201.142, 201.143 or 201.144;

cc) Extruders used for the extrusion of metals, minerals, plastics, rubber or wood, excluding:

1) Extruders used in the manufacture of polymers;

2) Extruders using foaming agents or release agents that contain volatile organic materials or Class I or II substances subject to the requirements of Title VI of the Clean Air Act; and

3) Extruders processing scrap material that was produced using foaming agents containing volatile organic materials or Class I or II substances subject to the requirements of Title VI of the Clean Air Act;~~,~~

dd) Furnaces used for melting metals, other than beryllium, with a brim full capacity of less than 450 cubic inches by volume;

ee) Equipment used for the melting or application of less than 22,767 kg/yr (50,000 lbs/yr) of wax to which no organic solvent has been added;

ff) Equipment used for filling drums, pails or other packaging containers, excluding aerosol cans, with soaps, detergents, surfactants, lubricating oils, waxes, vegetable oils, greases, animal fats, glycerin, sweeteners, corn syrup, aqueous salt solutions or aqueous caustic solutions, provided an organic solvent has not been mixed with such materials;

gg) Loading and unloading systems for railcars, tank trucks, or watercraft that handle only the following liquid materials: soaps, detergents, surfactants, lubricating oils, waxes, glycerin, vegetable oils, greases, animal fats, sweetener, corn syrup, aqueous salt solutions or aqueous caustic solutions, provided an organic solvent has not been mixed with such materials;

hh) Equipment used for the mixing and blending of materials at ambient temperatures to make water based adhesives, provided each material mixed or blended contains less than 5% organic solvent by weight;

ii) Die casting machines where a metal or plastic is formed under pressure in a die located at a source with a through-put of less than 2,000,000 lbs of metal or plastic per year, in the aggregate, from all die casting machines;

jj) Air pollution control devices used exclusively with other equipment that is exempt from permitting, as provided in this Section;

kk) An emission unit for which a registration system designed to identify sources and emission units subject to emission control requirements is in place, such as the registration system found at 35 Ill. Adm. Code 218.586 (Gasoline Dispensing Operations – Motor Vehicle Fueling Operations) and 35 Ill. Adm. Code 218, Subpart HH (Motor Vehicle Refinishing);

ll) Photographic process equipment by which an image is reproduced upon material sensitized to radiant energy;

mm) Equipment used for hydraulic or hydrostatic testing;

nn) General vehicle maintenance and servicing activities conducted at a source, motor vehicle repair shops, and motor vehicle body shops, but not including:

1) Gasoline fuel handling; and

2) Motor vehicle refinishing;~~.~~

oo) Equipment using water, water and soap or detergent, or a suspension of abrasives in water for purposes of cleaning or finishing, provided no organic solvent has been added to the water;

pp) Administrative activities including, but not limited to, paper shredding, copying, photographic activities and blueprinting machines. This does not include incinerators;

qq) Laundry dryers, extractors, and tumblers processing that have been cleaned with water solutions of bleach or detergents that are:

1) Located at a source and process clothing, bedding and other fabric items used at the source, provided that any organic solvent present in such items before processing that is retained from cleanup operations shall be addressed as part of the VOM emissions from use of cleaning materials;

2) Located at a commercial laundry; or

3) Coin operated;~~.~~

rr) Housekeeping activities for cleaning purposes, including collecting spilled and accumulated materials, including operation of fixed vacuum cleaning systems specifically for such purposes, but not including use of cleaning materials that contain organic solvent;

ss) Refrigeration systems, including storage tanks used in refrigeration systems, but excluding any combustion equipment associated with such systems;

tt) Activities associated with the construction, on-site repair, maintenance or dismantlement of buildings, utility lines, pipelines, wells, excavations, earthworks and other structures that do not constitute emission units;

uu) Piping and storage systems for natural gas, propane and liquefied petroleum gas;

vv) Water treatment or storage systems, as follows:

1) Systems for potable water or boiler feedwater;

2) Systems, including cooling towers, for process water, provided that such water has not been in direct or indirect contact with process streams that contain volatile organic material or materials listed as hazardous air pollutants pursuant to section~~Section~~ 112(b) of the Clean Air Act;~~.~~

ww) Lawn care, landscape maintenance and grounds keeping activities;

xx) Containers, reservoirs or tanks used exclusively in dipping operations to coat objects with oils, waxes or greases, provided no organic solvent has been mixed with such materials;

yy) Use of consumer products, including hazardous substances as that term is defined in the Federal Hazardous Substances Act (15 USC 1261 et seq.), where the product is used at a source in the same manner as normal consumer use;

zz) Activities directly used in the diagnosis and treatment of disease, injury or other medical condition;

aaa) Activities associated with the construction, repair or maintenance of roads or other paved or open areas, including operation of street sweepers, vacuum trucks, spray trucks and other vehicles related to the control of fugitive emissions of such roads or other areas;

bbb) Storage and handling of drums or other transportable containers, where the containers are sealed during storage and handling;

ccc) Activities at a source associated with the maintenance, repair or dismantlement of an emission unit or other equipment installed at the source, not including the shutdown of the unit or equipment, including preparation for maintenance, repair or dismantlement, and preparation for subsequent startup, including preparation of a shutdown vessel for entry, replacement of insulation, welding and cutting, and steam purging of a vessel prior to startup;

ddd) Equipment used for corona arc discharge surface treatment of plastic with a power rating of 5 kW or less or equipped with an ozone destruction device;

eee) Equipment used to seal or cut plastic bags for commercial, industrial or domestic

use;

fff) Each direct-fired gas dryer used for a washing, cleaning, coating or printing line, excluding:

1) Dryers with a rated heat input capacity of 2930 kW (10 mmbtu/hr) or more; and

2) Dryers for which emissions other than those attributable to combustion of fuel in the dryer, including emissions attributable to use or application of cleaning agents, washing materials, coatings or inks or other process materials that contain volatile organic material are not addressed as part of the permitting of such line, if a permit is otherwise required for the line;

ggg) Municipal solid waste landfills with a maximum total design capacity of less than 2.5 million Mg or 2.5 million m^3 that are not required to install a gas collection and control system pursuant to 35 Ill. Adm. Code 220 or 800 through 849 or Section 9.1 of the Act; ~~and~~

hhh) Replacement or addition of air pollution control equipment for existing emission units in circumstances where:

1) The existing emission unit is permitted and has operated in compliance for the past year;

2) The new control equipment will provide equal or better control of the target pollutants;

3) The new control device will not be accompanied by a net increase in emissions of any non-targeted criteria air pollutant;

4) Different State or federal regulatory requirements or newly proposed regulatory requirements will not apply to the unit; and
BOARD NOTE: All sources must comply with underlying federal regulations and future State regulations.

5) Where the existing air pollution control equipment had required monitoring equipment, the new air pollution control equipment will be equipped with the instrumentation and monitoring devices that are typically installed on the new equipment of that type.

BOARD NOTE: For major sources subject to Section 39.5 of the Act, where the new air pollution control equipment will require a different compliance determination method in the facility's CAAPP permit, the facility may need a permit modification to address the changed compliance determination method;~~.~~

iii) Replacement, addition, or modification of emission units at facilities with federally enforceable State operating permits limiting their potential to emit in circumstances where:

1) The potential to emit any regulated air pollutant in the absence of air pollution control equipment from the new emission unit, or the increase in the potential to emit resulting from the modification of any existing emission unit, is less than 0.1 pound per hour or 0.44 tons per year;

2) The raw materials and fuels used or present in the emission unit that cause or contribute to emissions, based on the information contained in Material Safety Data Sheets for those materials, do not contain equal to or greater than 0.01 percent by weight of any hazardous air pollutant as defined under section~~Section~~ 112(b) of the federal Clean Air Act;

3) The emission unit or modification is not subject to an emission standard or other regulatory requirement pursuant to section~~Section~~ 111 of the federal Clean Air Act;

4) Potential emissions of regulated air pollutants from the emission unit or modification will not, in combination with emissions from existing units or other proposed units, trigger permitting requirements under Section 39.5, permitting requirements under section~~Section~~ 165 or 173 of the federal Clean Air Act, or the requirement to obtain a revised federally enforceable State operating permit limiting the source's potential to emit; and

5) The source is not currently the subject of a Non-compliance Advisory, Clean Air Act Section 114 Request, Violation Notice, Notice of Violation, Compliance Commitment Agreement, Administrative Order, or civil or criminal enforcement action, related to the air emissions of the source;~~.~~

jjj) Replacement, addition, or modification of emission units at permitted sources that are not major sources subject to Section 39.5 of the Act and that do not have a

federally enforceable State~~state~~ operating permit limiting their potential to emit, in circumstances where:

1) The potential to emit of any regulated air pollutant in the absence of air pollution control equipment from the new emission unit, or the increase in the potential to emit resulting from the modification of any existing emission unit is either:

   A) Less than 0.1 pound per hour or 0.44 tons per year; or

   B) Less than 0.5 pound per hour, and the permittee provides prior notification to the Agency of the intent to construct or install the unit. The unit may be constructed, installed or modified immediately after the notification is filed;

2) The emission unit or modification is not subject to an emission standard or other regulatory requirement under section~~Section~~ 111 or 112 of the federal Clean Air Act;

3) Potential emissions of regulated air pollutants from the emission unit or modification will not, in combination with the emissions from existing units or other proposed units, trigger permitting requirements under Section 39.5 of the Act or the requirement to obtain a federally enforceable permit limiting the source's potential to emit; and

4) The source is not currently the subject of a Non-compliance Advisory, Clean Air Act Section 114 Request, Violation Notice, Notice of Violation, Compliance Commitment Agreement, Administrative Order, or civil or criminal enforcement action, related to the air emissions of the source;~~.~~

kkk) The owner or operator of a CAAPP source is not required to obtain an air pollution control construction permit for the construction or modification of an emission unit or activity that is an insignificant activity as addressed by Section 201.210 or 201.211 of this Part. Section 201.212 of this Part must still be followed, as applicable. Other than excusing the owner or operator of a CAAPP source from the requirement to obtain an air pollution control construction permit for the emission units or activities, nothing in this subsection shall alter or affect the liability of the CAAPP source for compliance with emission standards and other requirements that apply to the emission units or activities, either individually or in conjunction with other emission units or activities constructed,

modified or located at the source;~~.~~

lll) Plastic injection molding equipment with an annual through-put not exceeding 5,000 tons of plastic resin in the aggregate from all plastic injection molding equipment at the source, and all associated plastic resin loading, unloading, conveying, mixing, storage, grinding, and drying equipment and associated mold release and mold cleaning agents.

(Source: Amended at 33 Ill. Reg. ____, effective _____)

COPY

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

1) Heading of the Part: Definitions and General Provisions

2) Code Citation: 35 Ill. Adm. Code 211

3) Section Numbers: Proposed Action:

211.1920 Amend

4) Statutory Authority: 415 ILCS 5/27 and 28

5) Effective Date of Amendments: AUG - 6 2009

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

7) Do these amendments contain incorporations by reference? No

8) The adopted amendments, including any material incorporated by reference, are on file in the Board's Chicago office at the James R. Thompson Center, 100 W. Randolph, Suite 11-500 and are available for public inspection.

9) Notice of Proposal Published in Illinois Register: October 31, 2008, 32 Ill. Reg. 17055

10) Has JCAR issued a Statement of Objections to these amendments? No

11) Differences between proposal and final version:
There have been no substantive amendments since First Notice publication in the *Illinois Register*.

12) Have all the changes agreed upon by the agency and JCAR been made as indicated in the agreements letter issued by JCAR? Yes

13) Will these amendments replace emergency amendments currently in effect? No

14) Are there any amendments pending on this Part? Yes.

Section Number	Proposed Action	Illinois Register Citation
211.1920	Amend	32 Ill. Reg. 17055; Oct. 31, 2008
211.665	New Section	33 Ill. Reg. 6896; May 22, 2009
211.995	New Section	33 Ill. Reg. 6896; May 22, 2009
211.1315	New Section	33 Ill. Reg. 6896; May 22, 2009

211.1435	New Section	33 Ill. Reg. 6896; May 22, 2009
211.2355	New Section	33 Ill. Reg. 6896; May 22, 2009
211.2357	New Section	33 Ill. Reg. 6896; May 22, 2009
211.2625	New Section	33 Ill. Reg. 6896; May 22, 2009
211.3100	New Section	33 Ill. Reg. 6896; May 22, 2009
211.3355	New Section	33 Ill. Reg. 6896; May 22, 2009
211.3475	New Section	33 Ill. Reg. 6896; May 22, 2009
211.4280	New Section	33 Ill. Reg. 6896; May 22, 2009
211.5195	New Section	33 Ill. Reg. 6896; May 22, 2009

15) Summary and Purpose of Amendments:

The amendments control NO_x emissions from engines and turbines located at 100 ton per year sources located in the Chicago and Metro East/St. Louis nonattainment areas with a capacity of 500 brake horsepower (bhp) or 3.5 megawatts (MW). In first proposing the amendments, the Illinois Environmental Protection Agency stated that the regulations would help Illinois to meet Clean Air Act (CAA) requirements for NO_x reasonably available control technology (RACT) under the eight-hour National Ambient Air Quality Standard (NAAQS) for ozone and would also improve air quality by reducing precursors of fine particulate matter ($PM_{2.5}$).

In Part 211, the proposal substantively amends only a single definition, that of "Emergency or Standby Unit," in order to conform with amendments to Part 217 proposed in the same Board rulemaking docket.

16) Information and questions regarding these adopted amendments shall be directed to:

Tim Fox
Illinois Pollution Control Board
100 W. Randolph St., Suite11-500
Chicago, IL 60601
312-814-6085

Copies of the Board's opinions and orders may be requested from the Clerk of the Board at the address listed in #8 above or by calling 312-814-3620. Please refer to the Docket number R07-19 in your request. The Board order is also available from the Board's Web site (www.ipcb.state.il.us).

The full text of the Adopted Amendment begins on the next page:

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

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

PART 211
DEFINITIONS AND GENERAL PROVISIONS

SUBPART A: GENERAL PROVISIONS

Section

SUBPART B: DEFINITIONS

Section

211.484	Animal
211.485	Animal Pathological Waste
211.490	Annual Grain Through-Put
211.495	Anti-Glare/Safety Coating
211.510	Application Area
211.530	Architectural Coating
211.550	As Applied
211.560	As-Applied Fountain Solution
211.570	Asphalt
211.590	Asphalt Prime Coat
211.610	Automobile
211.630	Automobile or Light-Duty Truck Assembly Source or Automobile or Light-Duty Truck Manufacturing Plant
211.650	Automobile or Light-Duty Truck Refinishing
211.660	Automotive/Transportation Plastic Parts
211.670	Baked Coatings
211.680	Bakery Oven
211.685	Basecoat/Clearcoat System
211.690	Batch Loading
211.695	Batch Operation
211.696	Batch Process Train
211.710	Bead-Dipping
211.730	Binders
211.740	Brakehorsepower (rated-bhp)
211.750	British Thermal Unit
211.770	Brush or Wipe Coating
211.790	Bulk Gasoline Plant
211.810	Bulk Gasoline Terminal
211.820	Business Machine Plastic Parts
211.830	Can
211.850	Can Coating
211.870	Can Coating Line
211.890	Capture
211.910	Capture Device
211.930	Capture Efficiency
211.950	Capture System
211.953	Carbon Adsorber
211.955	Cement
211.960	Cement Kiln
211.970	Certified Investigation

211.980	Chemical Manufacturing Process Unit
211.990	Choke Loading
211.1010	Clean Air Act
211.1050	Cleaning and Separating Operation
211.1070	Cleaning Materials
211.1090	Clear Coating
211.1110	Clear Topcoat
211.1120	Clinker
211.1130	Closed Purge System
211.1150	Closed Vent System
211.1170	Coal Refuse
211.1190	Coating
211.1210	Coating Applicator
211.1230	Coating Line
211.1250	Coating Plant
211.1270	Coil Coating
211.1290	Coil Coating Line
211.1310	Cold Cleaning
211.1312	Combined Cycle System
211.1316	Combustion Turbine
211.1320	Commence Commercial Operation
211.1324	Commence Operation
211.1328	Common Stack
211.1330	Complete Combustion
211.1350	Component
211.1370	Concrete Curing Compounds
211.1390	Concentrated Nitric Acid Manufacturing Process
211.1410	Condensate
211.1430	Condensible PM-10
211.1465	Continuous Automatic Stoking
211.1467	Continuous Coater
211.1470	Continuous Process
211.1490	Control Device
211.1510	Control Device Efficiency
211.1515	Control Period
211.1520	Conventional Air Spray
211.1530	Conventional Soybean Crushing Source
211.1550	Conveyorized Degreasing
211.1570	Crude Oil
211.1590	Crude Oil Gathering

211.1610 Crushing
211.1630 Custody Transfer
211.1650 Cutback Asphalt
211.1670 Daily-Weighted Average VOM Content
211.1690 Day
211.1710 Degreaser
211.1730 Delivery Vessel
211.1740 Diesel Engine
211.1750 Dip Coating
211.1770 Distillate Fuel Oil
211.1780 Distillation Unit
211.1790 Drum
211.1810 Dry Cleaning Operation or Dry Cleaning Facility
211.1830 Dump-Pit Area
211.1850 Effective Grate Area
211.1870 Effluent Water Separator
211.1875 Elastomeric Materials
211.1880 Electromagnetic Interference/Radio Frequency Interference (EMI/RFI) Shielding Coatings
211.1885 Electronic Component
211.1890 Electrostatic Bell or Disc Spray
211.1900 Electrostatic Prep Coat
211.1910 Electrostatic Spray
211.1920 Emergency or Standby Unit
211.1930 Emission Rate
211.1950 Emission Unit
211.1970 Enamel
211.1990 Enclose
211.2010 End Sealing Compound Coat
211.2030 Enhanced Under-the-Cup Fill
211.2050 Ethanol Blend Gasoline
211.2070 Excess Air
211.2080 Excess Emissions
211.2090 Excessive Release
211.2110 Existing Grain-Drying Operation (Repealed)
211.2130 Existing Grain-Handling Operation (Repealed)
211.2150 Exterior Base Coat
211.2170 Exterior End Coat
211.2190 External Floating Roof
211.2210 Extreme Performance Coating

211.2230 Fabric Coating
211.2250 Fabric Coating Line
211.2270 Federally Enforceable Limitations and Conditions
211.2285 Feed Mill
211.2290 Fermentation Time
211.2300 Fill
211.2310 Final Repair Coat
211.2330 Firebox
211.2350 Fixed-Roof Tank
211.2360 Flexible Coating
211.2365 Flexible Operation Unit
211.2370 Flexographic Printing
211.2390 Flexographic Printing Line
211.2410 Floating Roof
211.2420 Fossil Fuel
211.2425 Fossil Fuel-Fired
211.2430 Fountain Solution
211.2450 Freeboard Height
211.2470 Fuel Combustion Emission Unit or Fuel Combustion Emission Source
211.2490 Fugitive Particulate Matter
211.2510 Full Operating Flowrate
211.2530 Gas Service
211.2550 Gas/Gas Method
211.2570 Gasoline
211.2590 Gasoline Dispensing Operation or Gasoline Dispensing Facility
211.2610 Gel Coat
211.2620 Generator
211.2630 Gloss Reducers
211.2650 Grain
211.2670 Grain-Drying Operation
211.2690 Grain-Handling and Conditioning Operation
211.2710 Grain-Handling Operation
211.2730 Green-Tire Spraying
211.2750 Green Tires
211.2770 Gross Heating Value
211.2790 Gross Vehicle Weight Rating
211.2810 Heated Airless Spray
211.2815 Heat Input
211.2820 Heat Input Rate
211.2830 Heatset

211.2850 Heatset Web Offset Lithographic Printing Line
211.2870 Heavy Liquid
211.2890 Heavy Metals
211.2910 Heavy Off-Highway Vehicle Products
211.2930 Heavy Off-Highway Vehicle Products Coating
211.2950 Heavy Off-Highway Vehicle Products Coating Line
211.2970 High Temperature Aluminum Coating
211.2990 High Volume Low Pressure (HVLP) Spray
211.3010 Hood
211.3030 Hot Well
211.3050 Housekeeping Practices
211.3070 Incinerator
211.3090 Indirect Heat Transfer
211.3110 Ink
211.3130 In-Process Tank
211.3150 In-Situ Sampling Systems
211.3170 Interior Body Spray Coat
211.3190 Internal-Floating Roof
211.3210 Internal Transferring Area
211.3230 Lacquers
211.3250 Large Appliance
211.3270 Large Appliance Coating
211.3290 Large Appliance Coating Line
211.3300 Lean-Burn Engine
211.3310 Light Liquid
211.3330 Light-Duty Truck
211.3350 Light Oil
211.3370 Liquid/Gas Method
211.3390 Liquid-Mounted Seal
211.3410 Liquid Service
211.3430 Liquids Dripping
211.3450 Lithographic Printing Line
211.3470 Load-Out Area
211.3480 Loading Event
211.3483 Long Dry Kiln
211.3485 Long Wet Kiln
211.3487 Low-NO_x Burner
211.3490 Low Solvent Coating
211.3500 Lubricating Oil
211.3510 Magnet Wire

211.3530 Magnet Wire Coating
211.3550 Magnet Wire Coating Line
211.3570 Major Dump Pit
211.3590 Major Metropolitan Area (MMA)
211.3610 Major Population Area (MPA)
211.3620 Manually Operated Equipment
211.3630 Manufacturing Process
211.3650 Marine Terminal
211.3660 Marine Vessel
211.3670 Material Recovery Section
211.3690 Maximum Theoretical Emissions
211.3695 Maximum True Vapor Pressure
211.3710 Metal Furniture
211.3730 Metal Furniture Coating
211.3750 Metal Furniture Coating Line
211.3770 Metallic Shoe-Type Seal
211.3780 Mid-Kiln Firing
211.3790 Miscellaneous Fabricated Product Manufacturing Process
211.3810 Miscellaneous Formulation Manufacturing Process
211.3830 Miscellaneous Metal Parts and Products
211.3850 Miscellaneous Metal Parts and Products Coating
211.3870 Miscellaneous Metal Parts or Products Coating Line
211.3890 Miscellaneous Organic Chemical Manufacturing Process
211.3910 Mixing Operation
211.3915 Mobile Equipment
211.3930 Monitor
211.3950 Monomer
211.3960 Motor Vehicles
211.3965 Motor Vehicle Refinishing
211.3970 Multiple Package Coating
211.3980 Nameplate Capacity
211.3990 New Grain-Drying Operation (Repealed)
211.4010 New Grain-Handling Operation (Repealed)
211.4030 No Detectable Volatile Organic Material Emissions
211.4050 Non-Contact Process Water Cooling Tower
211.4055 Non-Flexible Coating
211.4065 Non-Heatset
211.4067 NO_x Trading Program
211.4070 Offset
211.4090 One Hundred Percent Acid

211.4110	One-Turn Storage Space
211.4130	Opacity
211.4150	Opaque Stains
211.4170	Open Top Vapor Degreasing
211.4190	Open-Ended Valve
211.4210	Operator of a Gasoline Dispensing Operation or Operator of a Gasoline Dispensing Facility
211.4230	Organic Compound
211.4250	Organic Material and Organic Materials
211.4260	Organic Solvent
211.4270	Organic Vapor
211.4290	Oven
211.4310	Overall Control
211.4330	Overvarnish
211.4350	Owner of a Gasoline Dispensing Operation or Owner of a Gasoline Dispensing Facility
211.4370	Owner or Operator
211.4390	Packaging Rotogravure Printing
211.4410	Packaging Rotogravure Printing Line
211.4430	Pail
211.4450	Paint Manufacturing Source or Paint Manufacturing Plant
211.4470	Paper Coating
211.4490	Paper Coating Line
211.4510	Particulate Matter
211.4530	Parts Per Million (Volume) or PPM (Vol)
211.4550	Person
211.4590	Petroleum
211.4610	Petroleum Liquid
211.4630	Petroleum Refinery
211.4650	Pharmaceutical
211.4670	Pharmaceutical Coating Operation
211.4690	Photochemically Reactive Material
211.4710	Pigmented Coatings
211.4730	Plant
211.4740	Plastic Part
211.4750	Plasticizers
211.4770	PM-10
211.4790	Pneumatic Rubber Tire Manufacture
211.4810	Polybasic Organic Acid Partial Oxidation Manufacturing Process
211.4830	Polyester Resin Material(s)

211.4850	Polyester Resin Products Manufacturing Process
211.4870	Polystyrene Plant
211.4890	Polystyrene Resin
211.4910	Portable Grain-Handling Equipment
211.4930	Portland Cement Manufacturing Process Emission Source
211.4950	Portland Cement Process or Portland Cement Manufacturing Plant
211.4960	Potential Electrical Output Capacity
211.4970	Potential to Emit
211.4990	Power Driven Fastener Coating
211.5010	Precoat
211.5015	Preheater Kiln
211.5020	Preheater/Precalciner Kiln
211.5030	Pressure Release
211.5050	Pressure Tank
211.5060	Pressure/Vacuum Relief Valve
211.5061	Pretreatment Wash Primer
211.5065	Primary Product
211.5070	Prime Coat
211.5080	Primer Sealer
211.5090	Primer Surfacer Coat
211.5110	Primer Surfacer Operation
211.5130	Primers
211.5150	Printing
211.5170	Printing Line
211.5185	Process Emission Source
211.5190	Process Emission Unit
211.5210	Process Unit
211.5230	Process Unit Shutdown
211.5245	Process Vent
211.5250	Process Weight Rate
211.5270	Production Equipment Exhaust System
211.5310	Publication Rotogravure Printing Line
211.5330	Purged Process Fluid
211.5340	Rated Heat Input Capacity
211.5350	Reactor
211.5370	Reasonably Available Control Technology (RACT)
211.5390	Reclamation System
211.5410	Refiner
211.5430	Refinery Fuel Gas
211.5450	Refinery Fuel Gas System

211.5470	Refinery Unit or Refinery Process Unit
211.5480	Reflective Argent Coating
211.5490	Refrigerated Condenser
211.5500	Regulated Air Pollutant
211.5510	Reid Vapor Pressure
211.5530	Repair
211.5550	Repair Coat
211.5570	Repaired
211.5580	Repowering
211.5590	Residual Fuel Oil
211.5600	Resist Coat
211.5610	Restricted Area
211.5630	Retail Outlet
211.5640	Rich-Burn Engine
211.5650	Ringelmann Chart
211.5670	Roadway
211.5690	Roll Coater
211.5710	Roll Coating
211.5730	Roll Printer
211.5750	Roll Printing
211.5770	Rotogravure Printing
211.5790	Rotogravure Printing Line
211.5810	Safety Relief Valve
211.5830	Sandblasting
211.5850	Sanding Sealers
211.5870	Screening
211.5880	Screen Printing on Paper
211.5890	Sealer
211.5910	Semi-Transparent Stains
211.5930	Sensor
211.5950	Set of Safety Relief Valves
211.5970	Sheet Basecoat
211.5980	Sheet-Fed
211.5990	Shotblasting
211.6010	Side-Seam Spray Coat
211.6025	Single Unit Operation
211.6030	Smoke
211.6050	Smokeless Flare
211.6060	Soft Coat
211.6070	Solvent

211.6090 Solvent Cleaning
211.6110 Solvent Recovery System
211.6130 Source
211.6140 Specialty Coatings
211.6145 Specialty Coatings for Motor Vehicles
211.6150 Specialty High Gloss Catalyzed Coating
211.6170 Specialty Leather
211.6190 Specialty Soybean Crushing Source
211.6210 Splash Loading
211.6230 Stack
211.6250 Stain Coating
211.6270 Standard Conditions
211.6290 Standard Cubic Foot (scf)
211.6310 Start-Up
211.6330 Stationary Emission Source
211.6350 Stationary Emission Unit
211.6355 Stationary Gas Turbine
211.6360 Stationary Reciprocating Internal Combustion Engine
211.6370 Stationary Source
211.6390 Stationary Storage Tank
211.6400 Stencil Coat
211.6410 Storage Tank or Storage Vessel
211.6420 Strippable Spray Booth Coating
211.6430 Styrene Devolatilizer Unit
211.6450 Styrene Recovery Unit
211.6470 Submerged Loading Pipe
211.6490 Substrate
211.6510 Sulfuric Acid Mist
211.6530 Surface Condenser
211.6540 Surface Preparation Materials
211.6550 Synthetic Organic Chemical or Polymer Manufacturing Plant
211.6570 Tablet Coating Operation
211.6580 Texture Coat
211.6590 Thirty-Day Rolling Average
211.6610 Three-Piece Can
211.6620 Three or Four Stage Coating System
211.6630 Through-the-Valve Fill
211.6650 Tooling Resin
211.6670 Topcoat
211.6690 Topcoat Operation

211.6695	Topcoat System
211.6710	Touch-Up
211.6720	Touch-Up Coating
211.6730	Transfer Efficiency
211.6750	Tread End Cementing
211.6770	True Vapor Pressure
211.6790	Turnaround
211.6810	Two-Piece Can
211.6830	Under-the-Cup Fill
211.6850	Undertread Cementing
211.6860	Uniform Finish Blender
211.6870	Unregulated Safety Relief Valve
211.6880	Vacuum Metallizing
211.6890	Vacuum Producing System
211.6910	Vacuum Service
211.6930	Valves Not Externally Regulated
211.6950	Vapor Balance System
211.6970	Vapor Collection System
211.6990	Vapor Control System
211.7010	Vapor-Mounted Primary Seal
211.7030	Vapor Recovery System
211.7050	Vapor-Suppressed Polyester Resin
211.7070	Vinyl Coating
211.7090	Vinyl Coating Line
211.7110	Volatile Organic Liquid (VOL)
211.7130	Volatile Organic Material Content (VOMC)
211.7150	Volatile Organic Material (VOM) or Volatile Organic Compound (VOC)
211.7170	Volatile Petroleum Liquid
211.7190	Wash Coat
211.7200	Washoff Operations
211.7210	Wastewater (Oil/Water) Separator
211.7230	Weak Nitric Acid Manufacturing Process
211.7250	Web
211.7270	Wholesale Purchase – Consumer
211.7290	Wood Furniture
211.7310	Wood Furniture Coating
211.7330	Wood Furniture Coating Line
211.7350	Woodworking
211.7400	Yeast Percentage

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

211.APPENDIX A Rule into Section Table
211.APPENDIX B Section into Rule Table

AUTHORITY: Implementing Sections 9, 9.1, 9.9 and 10 and authorized by Sections 27 and 28.5 of the Environmental Protection Act [415 ILCS 5/9, 9.1, 9.9, 10, 27 and 28.5].

SOURCE: Adopted as Chapter 2: Air Pollution, Rule 201: Definitions, R71-23, 4 PCB 191, filed and effective April 14, 1972; amended in R74-2 and R75-5, 32 PCB 295, at 3 Ill. Reg. 5, p. 777, effective February 3, 1979; amended in R78-3 and 4, 35 PCB 75 and 243, at 3 Ill. Reg. 30, p. 124, effective July 28, 1979; amended in R80-5, at 7 Ill. Reg. 1244, effective January 21, 1983; codified at 7 Ill. Reg. 13590; amended in R82-1 (Docket A) at 10 Ill. Reg. 12624, effective July 7, 1986; amended in R85-21(A) at 11 Ill. Reg. 11747, effective June 29, 1987; amended in R86-34 at 11 Ill. Reg. 12267, effective July 10, 1987; amended in R86-39 at 11 Ill. Reg. 20804, effective December 14, 1987; amended in R82-14 and R86-37 at 12 Ill. Reg. 787, effective December 24, 1987; amended in R86-18 at 12 Ill. Reg. 7284, effective April 8, 1988; amended in R86-10 at 12 Ill. Reg. 7621, effective April 11, 1988; amended in R88-23 at 13 Ill. Reg. 10862, effective June 27, 1989; amended in R89-8 at 13 Ill. Reg. 17457, effective January 1, 1990; amended in R89-16(A) at 14 Ill. Reg. 9141, effective May 23, 1990; amended in R88-30(B) at 15 Ill. Reg. 5223, effective March 28, 1991; amended in R88-14 at 15 Ill. Reg. 7901, effective May 14, 1991; amended in R91-10 at 15 Ill. Reg. 15564, effective October 11, 1991; amended in R91-6 at 15 Ill. Reg. 15673, effective October 14, 1991; amended in R91-22 at 16 Ill. Reg. 7656, effective May 1, 1992; amended in R91-24 at 16 Ill. Reg. 13526, effective August 24, 1992; amended in R93-9 at 17 Ill. Reg. 16504, effective September 27, 1993; amended in R93-11 at 17 Ill. Reg. 21471, effective December 7, 1993; amended in R93-14 at 18 Ill. Reg. 1253, effective January 18, 1994; amended in R94-12 at 18 Ill. Reg. 14962, effective September 21, 1994; amended in R94-14 at 18 Ill. Reg. 15744, effective October 17, 1994; amended in R94-15 at 18 Ill. Reg. 16379, effective October 25, 1994; amended in R94-16 at 18 Ill. Reg. 16929, effective November 15, 1994; amended in R94-21, R94-31 and R94-32 at 19 Ill. Reg. 6823, effective May 9, 1995; amended in R94-33 at 19 Ill. Reg. 7344, effective May 22, 1995; amended in R95-2 at 19 Ill. Reg. 11066, effective July 12, 1995; amended in R95-16 at 19 Ill. Reg. 15176, effective October 19, 1995; amended in R96-5 at 20 Ill. Reg. 7590, effective May 22, 1996; amended in R96-16 at 21 Ill. Reg. 2641, effective February 7, 1997; amended in R97-17 at 21 Ill. Reg. 6489, effective May 16, 1997; amended in R97-24 at 21 Ill. Reg. 7695, effective June 9, 1997; amended in R96-17 at 21 Ill. Reg. 7856, effective June 17, 1997; amended in R97-31 at 22 Ill. Reg. 3497, effective February 2, 1998; amended in R98-17 at 22 Ill. Reg. 11405, effective June 22, 1998; amended in R01-9 at 25 Ill. Reg. 108, effective December 26, 2000; amended in R01-11 at 25 Ill. Reg. 4582, effective March 15, 2001; amended in R01-17 at 25 Ill. Reg. 5900, effective April 17, 2001; amended in R05-16 at 29 Ill. Reg. 8181, effective May 23, 2005; amended in R05-11 at 29 Ill. Reg. 8892, effective June 13, 2005; amended in R04-12/20 at 30 Ill. Reg. 9654, effective May 15, 2006; amended in R07-18 at 31 Ill. Reg.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

14254, effective September 25, 2007; amended in R08-6 at 32 Ill. Reg. 1387, effective January 16, 2008; amended in R07-19 at 33 Ill. Reg. _____, effective _____.

SUBPART B: DEFINITIONS

Section 211.1920 Emergency or Standby Unit

"Emergency or Standby Unit" means, for a stationary gas turbine or a stationary reciprocating internal combustion engine, a unit that:

a) Supplies power for the source at which it is located but operates only when the normal supply of power has been rendered unavailable by circumstances beyond the control of the owner or operator of the source and only as necessary to assure the availability of the engine or turbine. An emergency or standby unit may not be operated to supplement a primary power source when the load capacity or rating of the primary power source has been reached or exceeded.

b) Operates exclusively for firefighting or flood control or both.

c) Operates in response to and during the existence of any officially declared disaster or state of emergency.

d) Operates for the purpose of testing, repair or routine maintenance to verify its readiness for emergency or standby use.

e) Notwithstanding any other subsection in this Section, emergency or standby units may operate an additional 50 hours per year in non-emergency situations.

The term does not include equipment used for purposes other than emergencies, as described above, such as to supply power during high electric demand days.

(Source: Amended at 33 Ill. Reg. _____, effective _____)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

1) Heading of the Part: Nitrogen Oxides Emissions

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

3)

Section Numbers:	Proposed Action:
217.386	Amend
217.388	Amend
217.390	Amend
217.392	Amend
217.394	Amend
217.396	Amend

4) Statutory Authority: 415 ILCS 5/27 and 28

5) Effective Date of Amendments:

AUG - 6 2009

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

7) Do these amendments contain incorporations by reference? No

8) The adopted amendments, including any material incorporated by reference, are on file in the Board's Chicago office at the James R. Thompson Center, 100 W. Randolph, Suite 11-500 and are available for public inspection.

9) Notice of Proposal Published in Illinois Register: 32 Ill. Reg. 17075 (Oct. 31, 2008).

10) Has JCAR issued a Statement of Objections to these amendments? No.

11) Differences between proposal and final version:

In proceeding from the proposal to final adoption, the Board made a number of substantive changes proposed by the Agency in its first notice comments and based upon consultations and agreements with regulated entities. The Board adopts a number of changes proposed by the Joint Committee on Administrative Rules.

The Board's opinion provides a detailed section-by-section discussion of the second notice proposal. *See* In the Matter of: Section 27 Proposed Rules for Nitrogen Oxide (NO_x) Emissions from Stationary Reciprocating Internal Combustion Engines and Turbines: Amendments to 35 Ill. Adm. Code Section 201.146 and Parts 211 and 217,

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

R07-19, slip op. at 13-32 (May 21, 2009). Copies of the Board's opinions and orders may be requested from the Clerk of the Board at the address listed in #8 above or by calling 312/814-3620. Please refer to the docket number R07-19 in your request. The Board order is also available from the Board's Web site (www.ipcb.state.il.us).

On a section-by-section basis, the following are substantive amendments adopted by the Board during the course of this rulemaking. In addition, the Board adopted a number of non-substantive changes, including matters of organization.

1) In Section 217.386(b), the Board clarified an exemption from emission control requirements.

2) In Section 217.386(d), the Board clarified language providing that a unit at any time subject to the compliance requirements of Section 217.388 is always subject to demonstrating compliance if it meets the applicability criteria of Section 217.386(a).

3) In Section 217.388(c), the Board clarified the "low usage" compliance option.

4) In Section 217.288(c)(2), the Board clarified language regarding the types of that must obtain federally enforceable permits with limits for low usage units.

5) The Board added a new Section 217.388(e) clarifying a change from one method of compliance to another.

6) In subsections (a)(1)(A)(i) and (ii) and (a)(1)(C) of Section 217.390, the Board clarified eligibility for emission averaging plans. The Board also amended Section 217.390(a)(2)(B) to be consistent with this amendment.

7) The Board added a new Section 217.390(a)(1)(D) to include low usage units in emissions averaging plans if they comply with specified requirements.

8) In Section 217.390(a)(2)(A), the Board clarified language regarding replacement units that may be included in an emissions averaging plan.

9) In Subsection (d) and (d)(3) of Section 217.390, the Board clarified language regarding amended or updated emissions averaging plans.

10) In Section 217.390(g)(2), the Board clarified the key to an equation to calculate allowable emissions.

11) The Board added a new Section 217.390(g)(7) regarding the allowable emission rate for low usage units included in an emissions averaging equation.

12) In Section 217.392(a), the Board clarified language regarding compliance by units listed in Appendix G.

13) In Section 217.392(c), the Board clarified language regarding NO_x trading programs.

14) The Board added a new Section 217.392(c)(1)(C) clarifying the use of NO_x allowances in the event of anomalous or unforeseen operating scenarios.

15) The Board reorganized Section 217.392(c)(2) and added two new subsections clarifying the use of NO_x allowances.

16) In Section 217.394(e), the Board clarified language regarding the use of continuous emissions monitoring systems.

17) In Section 217.394(f), the Board clarified requirements for low usage units in emissions averaging plans.

18) In Section 217.396(a), the Board clarified recordkeeping and reporting requirements for units in emissions averaging plans.

19) The Board added a new Section 217.396(e) clarifying the recordkeeping and reporting requirements for units with continuous emissions monitoring systems.

12) Have all the changes agreed upon by the agency and JCAR been made as indicated in the agreements letter issued by JCAR? Yes

13) Will these amendments replace emergency amendments currently in effect? No

14) Are there any amendments pending on this Part? Yes.

Section Number	Proposed Action	Illinois Register Citation
217.751	New	33 Ill. Reg. 8880; June 26, 2009
217.100	Amended	33 Ill. Reg. 692; May 22, 2009
217.104	Amended	33 Ill. Reg. 692; May 22, 2009
217.121	Repealed	33 Ill. Reg. 692; May 22, 2009

217.141	Amended	33 Ill. Reg. 692; May 22, 2009
217.150	New Section	33 Ill. Reg. 692; May 22, 2009
217.152	New Section	33 Ill. Reg. 692; May 22, 2009
217.154	New Section	33 Ill. Reg. 692; May 22, 2009
217.155	New Section	33 Ill. Reg. 692; May 22, 2009
217.156	New Section	33 Ill. Reg. 692; May 22, 2009
217.157	New Section	33 Ill. Reg. 692; May 22, 2009
217.158	New Section	33 Ill. Reg. 692; May 22, 2009
217.160	New Section	33 Ill. Reg. 692; May 22, 2009
217.162	New Section	33 Ill. Reg. 692; May 22, 2009
217.164	New Section	33 Ill. Reg. 692; May 22, 2009
217.165	New Section	33 Ill. Reg. 692; May 22, 2009
217.166	New Section	33 Ill. Reg. 692; May 22, 2009
217.180	New Section	33 Ill. Reg. 692; May 22, 2009
217.182	New Section	33 Ill. Reg. 692; May 22, 2009
217.184	New Section	33 Ill. Reg. 692; May 22, 2009
217.185	New Section	33 Ill. Reg. 692; May 22, 2009
217.186	New Section	33 Ill. Reg. 692; May 22, 2009
217.200	New Section	33 Ill. Reg. 692; May 22, 2009
217.202	New Section	33 Ill. Reg. 692; May 22, 2009
217.204	New Section	33 Ill. Reg. 692; May 22, 2009
217.220	New Section	33 Ill. Reg. 692; May 22, 2009
217.222	New Section	33 Ill. Reg. 692; May 22, 2009
217.224	New Section	33 Ill. Reg. 692; May 22, 2009
217.240	New Section	33 Ill. Reg. 692; May 22, 2009
217.242	New Section	33 Ill. Reg. 692; May 22, 2009
217.244	New Section	33 Ill. Reg. 692; May 22, 2009
217.340	New Section	33 Ill. Reg. 692; May 22, 2009
217.342	New Section	33 Ill. Reg. 692; May 22, 2009
217.344	New Section	33 Ill. Reg. 692; May 22, 2009
217.345	New Section	33 Ill. Reg. 692; May 22, 2009
217.Appendix H	New Section	33 Ill. Reg. 692; May 22, 2009

15) Summary and Purpose of Amendments:

The amendments control NO_x emissions from engines and turbines located at 100 ton per year sources located in the Chicago and Metro East/St. Louis nonattainment areas with a capacity of 500 brake horsepower (bhp) or 3.5 megawatts (MW). In first proposing the amendments, the Agency stated that the regulations would help Illinois to meet Clean Air Act (CAA) requirements for NO_x reasonably available control technology (RACT) under

the eight-hour National Ambient Air Quality Standard (NAAQS) for ozone and would also improve air quality by reducing precursors of fine particulate matter ($PM_{2.5}$).

16) Information and questions regarding these adopted amendments shall be directed to:

Tim Fox
Illinois Pollution Control Board
100 W. Randolph St., Suite 11-500
Chicago, IL 60601
312-814-6085

Copies of the Board's opinions and orders may be requested from the Clerk of the Board at the address listed in #8 above or by calling 312/814-3620. Please refer to the Docket number R07-19 in your request. The Board order is also available from the Board's Web site (www.ipcb.state.il.us).

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

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

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 SOURCES

SUBPART K: PROCESS EMISSION SOURCES

SUBPART O: CHEMICAL MANUFACTURE

SUBPART Q: STATIONARY RECIPROCATING
INTERNAL COMBUSTION ENGINES AND TURBINES

SUBPART T: CEMENT KILNS

SUBPART U: NO_x CONTROL AND TRADING PROGRAM FOR SPECIFIED NO_x GENERATING UNITS

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

SUBPART V: ELECTRIC POWER GENERATION

SUBPART W: NO_x TRADING PROGRAM FOR ELECTRICAL GENERATING UNITS

SUBPART X: VOLUNTARY NO_x EMISSIONS REDUCTION PROGRAM

AUTHORITY: Implementing Sections 9.9 and 10 and authorized by Sections 27 and 28 of the Environmental Protection Act [415 ILCS 5/9.9, 10, 27 and 28].

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. _____, effective _____.

SUBPART Q: STATIONARY RECIPROCATING INTERNAL COMBUSTION ENGINES AND TURBINES

Section 217.386 Applicability

a) The provisions of this Subpart shall apply to all:

1) Stationary~~A stationary~~ reciprocating internal combustion engines~~engine~~ listed in Appendix G of this Part ~~is subject to the requirements of this Subpart Q~~.

2) Stationary reciprocating internal combustion engines and turbines located at a source that emits or has the potential to emit NO_x in an amount equal to or greater than 100 tons per year and is in either the area composed of the Chicago area counties of Cook, DuPage, Kane, Lake, McHenry, and Will, the Townships of Aux Sable and Goose Lake in Grundy County, and the Township of Oswego in Kendall County, or in the area composed of the Metro-East counties of Jersey, Madison, Monroe, and St. Clair, and the Township of Baldwin in Randolph County, where:

A) The engine at nameplate capacity is rated at equal to or greater than 500 bhp output; or

B) The turbine is rated at equal to or greater than 3.5 MW (4,694 bhp) output at 14.7 psia, 59°F and 60 percent relative humidity.

b) Notwithstanding subsection (a)(2) of this Section, an affected unit is not subject to the requirements of this Subpart Q if the engine or turbine is or has been:

1) Used as an emergency or standby unit as defined by 35 Ill. Adm. Code 211.1920;

2) Used for research or for the purposes of performance verification or testing;

3) Used to control emissions from landfills, where at least 50 percent of the heat input is gas collected from a landfill;

4) Used for agricultural purposes, including the raising of crops or livestock that are produced on site, but not for associated businesses like packing operations, sale of equipment or repair; or

5) An engine with nameplate capacity rated at less than 1,500 bhp (1,118 kW) output, mounted on a chassis or skids, designed to be moveable, and moved to a different source at least once every 12 months.

c) If an exempt unit ceases to fulfill the criteria specified in subsection (b) of this Section, the owner or operator must notify the Agency in writing within 30 days after becoming aware that the exemption no longer applies and comply with the control requirements of this Subpart Q.

d) The requirements of this Subpart Q will continue to apply to any engine or turbine that has ever been subject to the requirements of Section 217.388, even if the affected unit or source ceases to fulfill the rating requirements of subsection (a) of this Section or becomes eligible for an exemption pursuant to subsection (b) of this Section.

e) Where a construction permit, for which the application was submitted to the Agency prior to the adoption of this Subpart, is issued that relies on decreases in emissions of NO_x from existing emission units for purposes of netting or emissions offsets, such NO_x decreases shall remain creditable notwithstanding any requirements that may apply to the existing emissions units pursuant to this Subpart.

(Source: Amended at 33 Ill. Reg. _____, effective _____)

Section 217.388 Control and Maintenance Requirements

a) On and after the applicable compliance date in Section 217.392, an owner or operator of an affected unit must inspect and maintain affected units as required by subsection (a)(4~~e~~) of this Section and comply with one of the following:~~either~~ the applicable emissions concentration as set forth in subsection (a)(1) of this Section, ~~or~~ the requirements for an emissions averaging plan as specified in subsection (a)(2)~~(b)~~ of this Section, or the requirements for operation as a low usage unit as specified in subsection (a)(3) of this Section.

1~~a~~) Limits~~The owner or operator must limit~~ the discharge from an affected unit into the atmosphere of any gases that contain NO_x to no more than:

A~~1~~) 150 ppmv (corrected to 15 percent O_2 on a dry basis) for spark-ignited rich-burn engines;

B~~2~~) 210 ppmv (corrected to 15 percent O_2 on a dry basis) for spark-ignited lean-burn engines, except for existing spark-ignited Worthington engines that are not listed in Appendix G;

C) 365 ppmv (corrected to 15 percent O_2 on a dry basis) for existing spark-ignited Worthington engines that are not listed in Appendix G;

D) 660 ppmv (corrected to 15 percent O_2 on a dry basis) for diesel engines;

E) 42 ppmv (corrected to 15 percent O_2 on a dry basis) for gaseous fuel-fired turbines; and

F) 96 ppmv (corrected to 15 percent O_2 on a dry basis) for liquid fuel-fired turbines.

2~~b~~) Complies~~The owner or operator must comply~~ with an emissions averaging plan as provided for in either subsection (a)(2)(A) or (a)(2)(B) of this Section:

A) For any affected unit identified by Section 217.386: The~~the~~ requirements of the applicable emissions averaging plan as set forth in Section 217.390; or~~.~~

B) For units identified in Section 217.386(a)(1)(B): The requirements of an emissions averaging plan adopted pursuant to any other Subpart of this Part. For such affected engines and turbines the applicable requirements of this Subpart apply, including, but not limited to, calculation of NO_x allowable and actual emissions rates, compliance dates, monitoring, testing, reporting, and recordkeeping.

3~~c~~) Operates, for units not listed in Appendix G, the affected unit as a low usage unit pursuant to subsection (a)(3)(A) or (a)(3)(B) of this Section. Low usage units that are not part of an emissions averaging plan are not subject to the requirements of this Subpart Q except for the requirements to inspect and maintain the unit pursuant to subsection (a)(4) of this Section, test as required by Section 217.394(f), and retain records pursuant to Section 217.396(b) and (d). Either the limitation in subsection (a)(3)(A) or (a)(3)(B) may be utilized at a source, but not both:

A) The potential to emit (PTE) is no more than 100 TPY NO_x aggregated from all engines and turbines located at the source that

are not otherwise exempt pursuant to Section 217.386(b), and not complying with the requirements of subsection (a)(1) or (a)(2) of this Section, and the NO_x PTE limit is contained in a federally enforceable permit; or

B) The aggregate bhp-hrs/MW-hrs from all affected units located at the source that are not exempt pursuant to Section 217.386(b), and not complying with the requirements of subsection (a)(1) or (a)(2) of this Section, are less than or equal to the bhp-hrs and MW-hrs operation limit listed in subsections (a)(3)(B)(i) and (a)(3)(B)(ii) of this Section. The operation limits of subsections (a)(3)(B)(i) and (a)(3)(B)(ii) of this Section must be contained in a federally enforceable permit, except for units that drive a natural gas compressor located at a natural gas compressor station or storage facility. The operation limits are:

i) 8 mm bhp-hrs or less on an annual basis for engines; and

ii) 20,000 MW-hrs or less on an annual basis for turbines.

4) Inspects~~The owner or operator must inspect~~ and performs~~perform~~ periodic maintenance on the affected unit, in accordance with a Maintenance Plan that documents:

A~~1~~) For a unit not located at natural gas transmission compressor station or storage facility, either:

i~~A~~) The manufacturer's recommended inspection and maintenance of the applicable air pollution control equipment, monitoring device, and affected unit; or

ii~~B~~) If the original equipment manual is not available or substantial modifications have been made that require an alternative procedure for the applicable air pollution control device, monitoring device, or affected unit, the owner or operator must establish a plan for inspection and maintenance in accordance with what is customary for the type of air pollution control equipment, monitoring device, and affected unit.

B~~2~~) For a unit located at a natural gas compressor station or storage facility, the operator's maintenance procedures for the applicable air pollution control device, monitoring device, and affected unit.

b) Owners and operators of affected units may change the method of compliance with this Subpart, as follows:

1) When changing the method of compliance from subsection (a)(3) of this Section to subsection (a)(1) or (a)(2) of this Section, the owner or operator must conduct testing and monitoring according to the requirements of Section 217.394(a) through (e), as applicable. For this purpose, references to the "applicable compliance date" in Section 217.394(a)(2) and (a)(3) shall mean the date by which compliance with subsection (a)(1) or (a)(2) of this Section is to begin.

2) An owner or operator of an affected unit that is changing the method of compliance from subsection (a)(1) or (a)(2) of this Section to subsection (a)(3) of this Section must:

A) Continue to operate the affected unit's control device, if that unit relied upon a NO_x emissions control device for compliance with the requirements of subsection (a)(1) or (a)(2) of this Section; and

B) Prior to changing the method of compliance to subsection (c) of this Section, complete any outstanding initial performance testing, subsequent performances testing or monitoring as required by Section 217.394(a), (b), (c), (d) or (e) for the affected unit. If the deadline for such testing or monitoring has not yet occurred (e.g., the five-year testing or monitoring sequence has not yet elapsed), the owner or operator must complete the test or monitoring prior to changing the method of compliance to subsection (a)(3) of this Section. After changing the method of compliance to subsection (a)(3) of this Section, no additional testing or monitoring will be required for the affected unit while it is complying with subsection (a)(3) of this Section, except as provided for in Section 217.394(f).

(Source: Amended at 33 Ill. Reg. _____, effective _____)

Section 217.390 Emissions Averaging Plans

a) An owner or operator of certain affected units may comply through an emissions averaging plan.

1) A~~The~~ unit or units that commenced operation before January 1, 2002~~,~~ may be included in only one~~an~~ emissions averaging plan, as follows:

A) Units:~~units~~

i) Located~~located~~ at a single source or at multiple sources in Illinois to address compliance for units identified in Section 217.386(a)(1),~~,~~ so long as the units are owned by the same company or parent company where the parent company has working control through stock ownership of its subsidiary corporations; or~~. A unit may be listed in only one emissions averaging plan.~~

ii) Located at a single source or at multiple sources in either the Chicago area counties or Metro-East area counties to address compliance for units identified in Section 217.386(a)(2), so long as the units are owned by the same company or parent company where the parent company has working control through stock ownership of its subsidiary corporations;

B) Units that have a compliance date later than the control period for which the averaging plan is being used for compliance;

C) Units that are not otherwise subject to this Subpart (so long as the units are owned by the same company or parent company where the parent company has working control through stock ownership of its subsidiary corporations) or that the owner or operator may claim as exempt pursuant to Section 217.386(b) but does not claim as exempt. For as long as such unit is included in an emissions averaging plan, it will be treated as an affected unit and subject to the applicable emission concentration, limits, testing, monitoring, recordkeeping and reporting requirements; and

D) Units that comply with the requirements for low usage units set forth in Section 217.388(a)(3), so long as the unit or units operate NO_x emissions control technology. For as long as such unit is

included in an emissions averaging plan, it will be subject to the applicable emission concentration limits in subsection (g)(7) of this Section, the applicable testing and monitoring requirements for affected units in Section 217.394(a) through (e), and the applicable recordkeeping and reporting requirements for affected and low usage units in Section 217.396(a) through (d).

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

A) Units~~units~~ that commence operation after January 1, 2002, unless the unit or units replace a unit or units described in subsection (a)(1) of this Section~~replaces an engine or turbine~~ that commenced operation on or before January 1, 2002, or the unit or units replace a unit or units described in subsection (a)(1) of this Section~~it replaces an engine or turbine~~ that replaced a unit or units described in subsection (a)(1) of this Section 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 NO_x emissions on annual basis than the actual NO_x emissions of~~as~~ the ~~replacement~~ unit or units that are replaced. The owner or operator of a unit that is shut down~~shutdown~~ and replaced must comply with the provisions of Section 217.396(c~~d~~)(3) before the replacement unit may be included in an emissions averaging plan.

B) Units that the owner or operator is claiming are exempt pursuant to Section 217.386(b).

b) An owner or operator must submit an emissions averaging plan to the Agency by the applicable compliance date set forth in Section 217.392, or by May 1 of the year in which the owner or operator is using a new emissions averaging plan to comply.

1) The plan must include, but is not limited to:

A~~1~~) The list of affected units included in the plan by unit identification number and permit number.

B~~2~~) A sample calculation demonstrating compliance using the methodology provided in subsection (f) of this Section for both the ozone season and calendar year.

2) The plan will be effective as follows:

A) An initial plan for units required to comply by January 1, 2008 is effective January 1, 2008;

B) An initial plan for units required to comply by May 1, 2010 is effective May 1, 2010 for those units;

C) A new plan submitted pursuant to subsection (b) of this Section but not submitted by January 1, 2008 or May 1, 2010 is effective retroactively to January 1 of the applicable year;

D) An amended plan submitted pursuant to subsection (c) of this Section is effective retroactively to January 1 of the applicable year; or

E) An amended plan submitted pursuant to subsection (d) of this Section is effective on the date it is received by the Agency.

c) An owner or operator may amend an emissions averaging plan only once per calendar year. An amended plan must include the information from subsection (b)(1) and may change, but is not limited to changing, the group of affected units or reflecting changes in the operation of the affected units. An amended plan must be submitted to the Agency by May 1 of the applicable calendar year and is effective as set forth in subsection (b)(2) of this Section. If an amended plan is not received by the Agency by May 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, an owner or operator, and the buyer or seller, if applicable:~~, must~~

1) Must submit an updated emissions averaging plan or plans to the Agency within 60 days~~,~~ if a unit that is listed in an emissions averaging plan is sold or taken out of service.

2) May amend its emissions averaging plan to include another unit within 30 days after discovering that the unit no longer qualifies as an exempt unit pursuant to Section 217.386(b) or as a low usage unit pursuant to Section 217.388(a)(3).

3) May submit an updated emissions averaging plan or plans to the Agency within 60 days after purchasing a new unit to include the new unit.

e) An owner or operator must:

1) Demonstrate compliance for both 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), (c), or (d) of this Section; the higher of the monitoring or test data determined pursuant to Section 217.394; and the actual hours of operation for the applicable control period;

2) Notify the Agency by October 31 following the ozone season, if compliance cannot be demonstrated for that ozone season; and

3) Submit to the Agency by January 31 following each calendar year, a compliance report containing the information required by Section 217.396(c)(4).

f) The total mass of actual NO_x emissions from the units listed in the emissions averaging plan must be equal to or less than the total mass of allowable NO_x emissions for those units for both the ozone season and calendar year. The following equation must be used to determine compliance:

$$N_{act} \leq N_{all}$$

Where:

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

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

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

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

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

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

i = Subscript denoting an individual unit and fuel used.

n = Number of different units in the averaging plan.

g) For each unit in the averaging plan, and each fuel used by a unit, determine actual and allowable NO_x emissions using the following equations, except as provided for in subsection (h) of this Section:

1) Actual emissions must be determined as follows:

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

$$E_{act(i)} = \frac{\sum_{j=1}^{m} C_{d(act(j))} \times F_d \times \left(\frac{20.9}{20.9 - \%O_{2d(j)}} \right)}{m}$$

2) Allowable emissions must be determined as follows:

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

$$E_{all(i)} = \frac{\sum_{j=1}^{m} C_{d(all(j))} \times F_d \times \left(\frac{20.9}{20.9 - \%O_{2d(j)}} \right)}{m}$$

Where:

$EM_{act(i)}$= Total mass of actual NO_x emissions in lbs for a unit, except as provided for in subsections (g)(3) and (g)(5) of this Section.

$EM_{all(i)}$= Total mass of allowable NO_x emissions in lbs for a unit, except as provided for in subsection (g)(3) of this Section.

E_{act} = Actual NO_x emission rate (lbs/mmBtu) calculated according to the above equation.

E_{all} = Allowable NO_x emission rate (lbs/mmBtu) calculated according to the above equation, as applicable.

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

$C_{d(act)}$ = Actual concentration of NO_x in lb/dscf (ppmv x 1.194 x10^{-7}) on a dry basis for the fuel used. Actual concentration is determined on each of the most recent test runs~~run~~ or monitoring passes~~pass~~ performed pursuant to Section 217.394, whichever is higher.

$C_{d(all)}$ = Allowable concentration of NO_x in lb/dscf (allowable emission limit in ppmv specified in Section 217.388(a)(1), except as provided for in subsection (g)(4), (g)(5), ~~or~~ (g)(6), or (g)(7) of this Section, if applicable, multiplied by 1.194 x 10^{-7}) on a dry basis for the fuel used.

F_d = The ratio of the gas volume of the products of combustion to the heat content of the fuel (dscf/mmBtu) as given in the table of F Factors included in 40 CFR 60, appendix~~Appendix~~ A, Method 19 or as determined using 40 CFR 60, appendix~~Appendix~~ A, Method 19.

$\%O_{2d}$ = Concentration of oxygen in effluent gas stream measured on a dry basis during each of the applicable tests~~test~~ or monitoring runs used for determining emissions, as represented by a whole number percent, e.g., for 18.7$\%O_{2d}$, 18.7 would be used.

i = Subscript denoting an individual unit and the fuel used.

j = Subscript denoting each test run or monitoring pass for an affected unit for a given fuel.

m = The number of test runs or monitoring passes for an affected unit using a given fuel.

3) For a replacement unit that is electric-powered, the allowable NO_x emissions from the affected unit that was replaced should be used in the averaging calculations and the actual NO_x emissions for the electric-powered replacement unit ($EM_{(i)act\ elec(i)}$) are zero. Allowable NO_x emissions for the electric-powered replacement are calculated using the actual total bhp-hrs generated by the electric-powered replacement unit on an ozone season and on an annual basis multiplied by the allowable NO_x emission rate in lb/bhp-hr of the replaced unit. The allowable mass of NO_x emissions from an electric-powered replacement unit ($EM_{(i)all\ elec(i)}$) must be determined by multiplying the nameplate capacity of the unit by the hours operated during the ozone season or annually and the allowable NO_x emission rate of the replaced unit ($E_{all\ rep}$) in lb/mmBtu converted to lb/bhp-hr. For this calculation the following equation should be used:

$$EM_{all\ \ elec(i)} = bhp \times OP \times F \times E_{all\ rep(i)}$$

Where:

$EM_{all\ elec(i)}$	=	Mass of allowable NO_x emissions from the electric-powered replacement unit in pounds per ozone season or calendar year.
bhp	=	Nameplate capacity of the electric-powered replacement unit in brake horsepower.
OP	=	Operating hours during the ozone season or calendar year.
F	=	Conversion factor of 0.0077 mmBtu/bhp-hr.
$E_{all\ rep(i)}$	=	Allowable NO_X emission rate (lbs/mmBtu) of the replaced unit.
i	=	Subscript denoting an individual electric unit and the fuel used.

4) For a replacement unit that is not electric, the allowable NO_x emissions rate used in the above equations set forth in subsection (g)(2) of this Section must be the higher of the actual NO_x emissions as determined by testing or monitoring data or the applicable uncontrolled NO_x emissions factor from Compilation of Air Pollutant Emission~~pollutant emission~~ Factors: AP-42, Volume I: Stationary Point and Area Sources, as

incorporated by reference in Section 217.104 for the unit that was replaced.

5) For a unit that is replaced with purchased power, the allowable NO_x emissions rate used in the ~~above~~ equations set forth in subsection (g)(2) of this Section must be the emissions concentration ~~as~~ set forth in Section 217.388(a)(1) or subsection (g)(6) of this Section, when applicable, for the type of unit that was replaced. For owners or operators replacing units with purchased power, the annual hours of operations that must be used are the calendar year hours of operation for the unit that was shut down~~shutdown~~, averaged over the three-year period prior to the shutdown. The actual NO_x emissions for the units replaced by purchased power ($EM_{(i)act}$) are zero. These units may be included in any emissions averaging plan for no more than five years beginning with the calendar year that the replaced unit is shut down.

6) For units that have a later compliance date~~non-Appendix G units used in an emissions averaging plan~~, allowable emissions rate used in the ~~above~~ equations set forth in subsection (g)(2) of this Section must be:

A) Prior to the applicable compliance date pursuant to Section 217.392, the higher of the actual NO_x emissions as determined by testing or monitoring data~~,~~ or the applicable uncontrolled NO_x emissions factor from Compilation of Air Pollutant Emission Factors: AP-42, Volume I: Stationary Point and Areas Sources, as incorporated by reference in Section 217.104; or~~)~~

B) On and after the unit's applicable compliance date pursuant to Section 217.392, the applicable emissions concentration for that type of unit pursuant to Section 217.388(a)(1).

7) For a low usage unit complying with the requirements of Section 217.388(a)(3) and used in an emissions averaging plan, the allowable NO_x emissions rate used in the above equations set forth in subsection (g)(2) of this Section must be the higher of the actual NO_x emissions as determined by testing or monitoring data or the applicable uncontrolled NO_x emissions factor from Compilation of Air Pollutant Emission Factors: AP-42, Volume I: Stationary Point and Area Sources, as incorporated by reference in Section 217.104.

h) For units that use CEMS, the data must show that the total mass of actual NO_x emissions determined pursuant to subsection (h)(1) of this Section is less than or equal to the allowable NO_x emissions calculated in accordance with the equations in subsections (f) and (h)(2) of this Section for both the ozone season and calendar year. The equations in subsection (g) of this Section will not apply.

1) The total mass of actual NO_x emissions in lbs for a unit (EM_{act}) must be the sum of the total mass of actual NO_x emissions from each affected unit using CEMS data collected in accordance with 40 CFR 60 or 75, or alternate methodology that has been approved by the Agency or USEPA and included in a federally enforceable permit.

2) The allowable NO_x emissions must be determined as follows:

$$EM_{all(i)} = \sum_{j=1}^{m} (Cd_j \times flow_j \times 1.194 \times 10^{-7})$$

~~$$EM_{all(i)} = \sum_{j=1}^{m} (Cd_i \times flowstack_i \times 1.194 \times 10^{-7})$$~~

Where:

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

$flow_j$~~$Flow_i$~~ = Stack flow (dscf/hr) for a given stack.

Cd_j~~$_i$~~ = Allowable concentration of NO_x (ppmv) specified in Section 217.388(a)(1)~~ of this subpart~~ for a given stack~~.~~ (1.194 x 10^{-7}~~)~~ converts to lb/dscf).

j = subscript denoting each hour operation of a given unit.

m = Total number of hours of operation of a unit.

i = Subscript denoting an individual unit and the fuel used.

(Source: Amended at 33 Ill. Reg. _____, effective _____)

Section 217.392 Compliance

a) On and after January 1, 2008, an owner or operator of an affected engine listed in Appendix G may not operate the affected engine unless the requirements of this Subpart Q are met.

b) On and after May 1, 2010, an owner or operator of a unit identified by Section 217.386(a)(2), and that is not listed in Appendix G, may not operate the affected unit unless the requirements of this Subpart Q are met or the affected unit is exempt pursuant to Section 217.386(b).

c) Owners and operators of an affected unit may use NO_x allowances to meet the compliance requirements in Section 217.388 as specified in this subsection (c). A NO_x allowance is defined as an allowance used to meet the requirements of a NO_x trading program in which the State of Illinois participates where one allowance is equal to one ton of NO_x emissions.

1) NO_x allowances may be used only under the following circumstances:

A) An anomalous or unforeseen operating scenario inconsistent with historical operations for a particular ozone season or calendar year that causes an exceedance of an emissions or operating hour limitation;

B) To achieve compliance for no more than two events in any rolling five-year period;

C) If the anomalous or unforeseen operating scenario occurs during an ozone season, it counts as a single event for purposes of the calendar year even if there is an exceedance of both an ozone season emission limitation and an annual emissions limitation as a result of such operating scenario; and

D) For a unit that is not listed in Appendix G.

2) The owner or operator of the affected unit must surrender to the Agency a NO_x allowance for each ton or portion of a ton of NO_x by which actual emissions exceed allowed emissions, as follows:

A) Where a low usage limitation under Section 217.388(a)(3)(B) has been exceeded, the owner or operator of the affected unit must calculate the NO_x emissions resulting from the number of hours

that exceeded the operating hour low usage limit and surrender to the Agency one NO_x allowance for each ton or portion of a tin of NO_x that was calculated.

B) For noncompliance with a limitation in an emissions averaging plan that includes low usage units, the owner or operator of the affected low usage unit must calculate the NO_x emissions using the applicable allowable emissions concentration from Section 217.388(a)(1).

C) For noncompliance with a seasonal limit in Section 217.388(a)(2), only a NO_x ozone season allowance must be used.

D) For noncompliance with the emissions concentration limits in Section 217.388(a)(1), low usage limitations in Section 217.388(a)(3) or an annual limitation in an emissions averaging plan in Section 217.388(a)(2), only a NO_x annual allowance may be used.

E) Notwithstanding the provisions of subsections (c)(2)(C) and (c)(2)(D) of this Section, if a NO_x annual trading program does not exist, a NO_x ozone season allowance may be used for noncompliance with the emissions concentration limits in Section 217.388(a)(1), low usage limitations in Section 217.388(a)(3) or an annual limitation in an emissions averaging plan in Section 217.388(a)(2).

3) The owner or operator must submit a report documenting the circumstances that required the use of NO_x allowances and identify what actions will be taken in subsequent years to address these circumstances and must transfer the NO_x allowances to the Agency's federal NO_x retirement account. The report and the transfer of allowances must be submitted by October 31 for exceedances during the ozone season and March 1 for exceedances of the emissions concentration limits, the annual emissions averaging plan limits, or low usage limitations. The report must contain the NATS serial numbers of the NO_x allowances.

(Source: Amended at 33 Ill. Reg. _____, effective _____)

Section 217.394 Testing and Monitoring

a) An owner or operator must conduct an initial performance test pursuant to subsection (c)(1) or (c)(2) of this Section as follows:

1) By January 1, 2008, for affected engines listed in Appendix G. Performance tests must be conducted on units listed in Appendix G, even if the unit is included in an emissions averaging plan pursuant to Section 217.388(a)(2)~~(b)~~.

2) By the applicable compliance date set forth in Section 217.392, or within~~Within~~ the first 876 hours of operation per calendar year, whichever is later:~~.~~

A) For affected units not listed in Appendix G that operate more than 876 hours per calendar year; and~~Performance tests must be conducted on~~

B) For units that are not affected units that are included in an emissions averaging plan and operate more than 876 hours per calendar year.

3) Once within the five-year period after the applicable compliance date as set forth in Section 217.392:

A) For affected units that operate fewer than 876 hours per calendar year; and~~. Performance tests must be conducted on~~

B) For units that are not affected units that are included in an emissions averaging plan and that operate fewer than 876 hours per calendar year.

b) An owner or operator of an engine or turbine must conduct subsequent performance tests pursuant to subsection (be)(1), ~~or~~ (be)(2), and (b)(3) of this Section as follows:

1) For affected engines listed in Appendix G and all units included in an emissions averaging plan, once every five years. Testing must be performed in the calendar year by May 1 or within 60 days after starting operation, whichever is later;

2) If the monitored data shows that the unit is not in compliance with the applicable emissions concentration or emissions averaging plan, the owner or operator must report the deviation to the Agency in writing within 30 days and conduct a performance test pursuant to subsection (c) of this Section within 90 days of the determination of noncompliance; and

3) When, in the opinion of the Agency or USEPA, it is necessary to conduct testing to demonstrate compliance with Section 217.388, the owner or operator of a unit must, at his or her own expense, conduct the test 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.

c) Testing Procedures:

1) For an engine: The owner or operator must conduct a performance test using Method 7 or 7E of 40 CFR 60, appendix A, as incorporated by reference in Section 217.104. Each compliance test must consist of three separate runs, each lasting a minimum of 60 minutes. NO_x emissions must be measured while the affected unit is operating at peak load. If the unit combusts more than one type of fuel (gaseous or liquid), including backup fuels, a separate performance test is required for each fuel.

2) For a turbine ~~included in an emissions averaging plan~~: The owner or operator must conduct a performance test using the applicable procedures and methods in 40 CFR 60.4400, as incorporated by reference in Section 217.104.

d) Monitoring: Except for those years in which a performance test is conducted pursuant to subsection (a) or (b) of this Section, the owner or operator of an affected unit or a unit included in an emissions averaging plan must monitor NO_x concentrations annually, once between January 1 and May 1 or within the first 876 hours of operation per calendar year, whichever is later. If annual operation is less than 876 hours per calendar year, each affected unit must be monitored at least once every five years. Monitoring must be performed as follows:

1) A portable NO_x monitor utilizing method ASTM D6522-00, as incorporated by reference in Section 217.104, or a method approved by the Agency must be used. If the engine or turbine combusts both liquid

and gaseous fuels as primary or backup fuels, separate monitoring is required for each fuel.

2) NO_x and O_2 concentrations measurements must be taken three times for a duration of at least 20 minutes. Monitoring must be done at highest achievable load. The concentrations from the three monitoring runs must be averaged to determine whether the affected unit is in compliance with the applicable emissions concentration or emissions averaging plan, as specified in Section 217.388.

e) Instead of complying with the requirements of subsections (a), (b), (c) and (d) of this Section, an owner or operator may install and operate a CEMS on an affected unit that meets the applicable requirements of 40 CFR 60, subpart A, and appendix B, or 40 CFR 75, incorporated by reference in Section 217.104, and complies with the quality assurance procedures specified in 40 CFR 60, appendix F, or 40 CFR 75, as incorporated by reference in Section 217.104, or an alternate procedure as approved by the Agency or USEPA in a federally enforceable permit. The CEMS must be used to demonstrate compliance with the applicable emissions concentration or emissions averaging plan only on an ozone season and annual basis.

f) The testing and monitoring requirements of this Section do not apply to affected units in compliance with the requirements of the low usage limitations pursuant to Section 217.388(a)(3) or low usage units using NO_x allowances to comply with the requirements of this Subpart pursuant to Section 217.392(c), unless such units are included in an emissions averaging plan. Notwithstanding the above circumstances, when, in the opinion of the Agency or USEPA, it is necessary to conduct testing to demonstrate compliance with Section 217.388, the owner or operator of a unit must, at his or her own expense, conduct the test 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.

(Source: Amended at 33 Ill. Reg. _____, effective _____)

Section 217.396 Recordkeeping and Reporting

a) Recordkeeping. The owner or operator of any unit included in an emissions averaging plan (e.g., affected units, nonsubject units, units that could be exempt pursuant to Section 217.386(b), and low usage units) or an affected unit that is not exempt pursuant to Section 217.386(b) and is not subject to the low usage

exemption of Section 217.388(a)(3)~~of an Appendix G unit or a unit included in an emissions averaging plan~~ must maintain records that demonstrate compliance with the requirements of this Subpart Q, which include, but are not limited to:

1) Identification, type (e.g., lean-burn, gas-fired), and location of each unit.

2) Calendar date of the record.

3) The number of hours the unit operated on a monthly basis~~,~~ and during each ozone season.

4) Type and quantity of the fuel used on a daily basis.

5) The results of all monitoring performed on the unit and reported deviations.

6) The results of all tests performed on the unit.

7) The plan for performing inspection and maintenance of the units, air pollution control equipment, and the applicable monitoring device pursuant to Section 217.388(a)(4)~~(c)~~.

8) A log of inspections and maintenance performed on the unit's air emissions, monitoring device, and air pollution control device. These records must include, at a minimum, date, load levels and any manual adjustments, along with the reason for the adjustment (e.g., air to fuel ratio, timing or other settings).

9) If complying with the emissions averaging plan provisions of Sections 217.388(a)(2)~~(b)~~ and 217.390, copies of the calculations used to demonstrate compliance with the ozone season and annual control period limits, noncompliance reports for the ozone season, and ozone and annual control period compliance reports submitted to the Agency.

10) Identification of time periods for which operating conditions and pollutant data were not obtained by either the CEMS or alternate monitoring procedures, including the reasons for not obtaining sufficient data and a description of corrective actions taken.

11) Any NO_x allowance reconciliation reports submitted pursuant to Section 217.392(c)(3).

b) The owner or operator of an affected unit or unit included in an emissions averaging plan must maintain the records required by subsection (a) or (d) of this Section, as applicable, for a period of five years at the source at which the unit is located. The records must be made available to the Agency and USEPA upon request.

c) Reporting Requirements

1) The owner or operator must notify the Agency in writing 30 days and five days prior to testing, pursuant to Section 217.394(a) and (b) and:

A) If, after the 30-days notice for an initially scheduled test is sent, there is a delay (e.g., due to operational problems) in conducting the performance test as scheduled, the owner or operator of the unit must notify the Agency as soon as possible of the delay in the original test date, either by providing at least seven days prior notice of the rescheduled date of the performance test, or by arranging a new test date with the Agency by mutual agreement;

B) Provide a testing protocol to the Agency 60 days prior to testing; and

C) Not later than 30 days after the completion of the test, submit the results of the test to the Agency.

2) Pursuant to the requirements for monitoring in Section 217.394(d), the owner or operator of the unit must report to the Agency any monitored exceedances of the applicable NO_x concentration from Section 217.388(a)(1) or (a)(2)~~(b)~~ within 30 days after performing the monitoring.

3) Within 90 days after permanently shutting down an affected unit or a unit included in an emissions averaging plan, the owner or operator of the unit must withdraw or amend the applicable permit to reflect that the unit is no longer in service.

4) If demonstrating compliance through an emissions averaging plan:

A) By October 31 following the applicable ozone season, the owner or operator must notify the Agency if he or she cannot demonstrate compliance for that ozone season; and

B) By January 31~~30~~ following the applicable calendar year, the owner or operator must submit to the Agency a report that demonstrates the following:

i) For all units that are part of the emissions averaging plan, the total mass of allowable NO_x emissions for the ozone season and for the annual control period;

ii) The total mass of actual NO_x emissions for the ozone season and annual control period for each unit included in the averaging plan;

iii) The calculations that demonstrate that the total mass of actual NO_x emissions are less than the total mass of allowable NO_x emissions using equations in Sections 217.390(f) and (g); and

iv) The information required to determine the total mass of actual NO_x emissions and the calculations performed in subsection (c~~d~~)(4)(B)(iii) of this Section.

5) If operating a CEMS, the owner or operator must submit an excess emissions and monitoring systems performance report in accordance with the requirements of 40 CFR 60.7(c) and 60.13~~;~~ or 40 CFR 75, incorporated by reference in Section 217.104, or an alternate procedure approved by the Agency or USEPA and included in a federally enforceable permit.

6) If using NO_x allowances to comply with the requirements of Section 217.388, reconciliation reports as required by Section 217.392(c)(3).

d) The owner or operator of an affected unit that is complying with the low usage provisions of Section 217.388(a)(3) must:

1) For each unit complying with Section 217.388(a)(3)(A), maintain a record of the NO_x emissions for each calendar year;

2) For each unit complying with Section 217.388(a)(3)(B), maintain a record of bhp or MW-hours operated each calendar year; and

3) For each unit utilizing NO_x allowances for compliance pursuant to Section 217.392(c)(3), maintain and submit any NO_x allowance reconciliation reports.

e) Instead of complying with the requirements of subsection (a) of this Section, subsection (b) of this Section, subsections (c)(1) through (c)(4) of this Section, and subsection (d) of this Section, an owner or operator of an affected unit complying with the requirements of Section 217.388(a)(1) and operating a CEMS on that unit may meet the applicable testing, monitoring, reporting and recordkeeping requirements for that CEMS of 40 CFR 75, as incorporated by reference in Section 217.107.

(Source: Amended at 33 Ill. Reg. _____, effective _____)