

ILLINOIS POLLUTION CONTROL BOARD
November 2, 1989

IN THE MATTER OF:)
)
)
REPEAL OF NEW SOURCE) R89-7 (Docket B)
PERFORMANCE STANDARDS AND) (Rulemaking)
HAZARDOUS AIR POLLUTANT)
REGULATIONS)
)
PROPOSED RULE. FIRST NOTICE.

OPINION AND ORDER OF THE BOARD (by J.D. Dumelle):

On May 11, 1989 the Board, on its own motion, proposed the above-captioned rulemaking for First Notice. The Board held two hearings in this matter, one in Chicago on August 16, 1989 and the other in Urbana on August 23, 1989. As the result of comments at hearing by the Illinois Environmental Protection Agency ("Agency") and the Illinois Manufacturers Association ("IMA"), the Board split this proceeding into two dockets on September 13, 1989.

Today the Board is proposing Docket B, the repeal of 35 Ill. Adm. Code Parts 230 and 231 in their entirety, for First Notice. Part 230 constitutes the Board's New Source Performance Standards (NSPS) adopted by peremptory rulemakings between 1979 and 1987. Part 231 constitutes the National Emission Standards for Hazardous Air Pollutants (NESHAPS) also adopted by peremptory rulemaking between 1980 and 1987. Prior to 1987, the Board was required to adopt the NSPS and NESHAPS provisions in order for them to be enforceable in Illinois. However, in 1987, Section 9.1 of the Environmental Protection Act (Act) was amended to cause the automatic enforceability of the NSPS and NESHAPS provisions in Illinois. As a result, the Board is no longer required to formally adopt NSPS and NESHAPS provisions to make them effective; the NSPS and NESHAPS become effective immediately upon their adoption by the United State Environmental Protection Agency ("USEPA").

As new NSPS and NESHAPS are promulgated by USEPA and become enforceable in Illinois pursuant to Section 9.1 of the Act, the existing regulations may become outdated or even inconsistent with the updated standards, causing possible confusion to the regulated community. In repealing these parts, the Board stresses that this action is not intended to and does not cause any substantive amendment to the existing NSPS and NESHAPS provisions enforceable under Section 9.1 of the Act.

As the Agency stated in its comments made at hearing, a problem arises due to the fact that other sections of the Board's air regulations reference the NSPS and NESHAPS provisions proposed for repeal. Consequently, these sections, which are found within 35 Ill. Adm. Code Parts 201, 212 and 215, must be amended to replace reference to Parts 230 and 231 with language indicating the automatic enforceability of USEPA NSPS and NESHAPS regulations through Section 9.1 of the Act. Specifically, the sections of the Boards regulations which contain cross-references to NSPS or NESHAPS regulations in Parts 230 and 231 are as follows:

201.102
201.401(a)(1)(B)(iii)
201.401(a)(1)(D)
201.401(b)
212.205
212.443(b)(2)(A)
212.443(b)(2)(B)
212.443(b)(3)
212.443(c)(1)(B)
212.443(c)(2)(A)
212.443(c)(2)(B)
215.123(a)(5)
215.920(d)(2)
215.940(d)(2)
215.960(d)(2)

The Agency has proposed the repeal of Sections 215.920(d)(2), 215.940(d)(2) and 215.960(d)(2) in R89-16; In re: RACT Deficiencies - Amendments to 35 Ill. Adm. Code Parts 211 and 215. As the Board has already sent R89-16 to First Notice, these Sections will not be amended in this rulemaking to delete cross-references to Parts 230 and 231. In the event that these Sections are not repealed in R89-16, the Board will amend these sections at a later date.

Since the Board has already held two hearings in regard to the repeal of Parts 230 and 231, it is not necessary to hold further hearings unless specifically requested. Although the Board determined on June 22, 1989 that an economic impact study was not necessary, any person may request the Board to determine whether an EcIS should or should not be prepared in docket B, pursuant to Section 27(a) of the Act, within 21 days of the date of this Order. The Clerk is hereby directed to submit the following revisions to the Illinois Administrative Code Unit of the Secretary of State's Office for First Notice publication in the Illinois Register.

ORDER

The Board hereby proposes the following amendments to 35 Ill. Adm. Code 201, 212, 215, 230 and 231 for First Notice.

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

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AND REVIEW PROCESS

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201.158	Incomplete Applications
201.159	Signatures
201.160	Standards for Issuance

201.161 Conditions
201.162 Duration
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SUBPART K: RECORDS AND REPORTS

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SUBPART L: CONTINUOUS MONITORING

Section

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201.402 Alternative Monitoring
201.403 Exempt Sources
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Appendix A Rule Into Section Table
Appendix B Section Into Rule Table
Appendix C Past Compliance Dates

AUTHORITY: Implementing Section 10 and authorized by Section 27 of the Environmental Protection Act (Ill. Rev. Stat. 1987, ch. 111½, pars. 1010 and 1027)

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 R89-7A at _____, effective _____; amended in R89-7B at _____, effective _____.

Section 201.102 Definitions

"Air Contaminant": any solid, liquid or gaseous matter, any odor or any form of energy, that is capable of being released into the atmosphere from an emission source.

"Air Pollution Control Equipment": any equipment or facility of a type intended to eliminate, prevent, reduce or control the emission of specified air contaminants to the atmosphere.

"Air Pollution": the presence in the atmosphere of one or more air contaminants in sufficient quantities and of such characteristics and duration as to be injurious to human, plant, or animal life, to health, or to property, or to unreasonably interfere with the enjoyment of life or property.

"Ambient Air": that portion of the atmosphere external to buildings comprising emission sources.

"Ambient Air Quality Standard": those standards promulgated from time to time by the Pollution Control Board (Board) pursuant to authority contained in the Act and found at 35 Ill. Adm. Code 243, or by the United States Environmental Protection Agency (USEPA) pursuant to authority contained in 42 U.S.C. 7401 et seq., as amended from time to time.

"Clean Air Act": the Clean Air Act of 1970, as amended, including the Clean Air Act Amendments of 1977, as amended (42 U.S.C. 7401 et seq.)

"Commence": the act of entering into a binding agreement or contractual obligation to undertake and complete, within a reasonable time, a continuous program of construction or modifications.

"Construction": commencement of on-site fabrication, erection or installation of an emission source or of air pollution control equipment.

"Emission Source": any equipment or facility of a type capable of emitting specified air contaminants to the atmosphere.

"Existing Air Pollution Control Equipment": any air pollution control equipment, the construction or modification which has commenced prior to April 14, 1972.

"Existing Emission Source": any emission source, the construction or modification of which has commenced prior to April 14, 1972.

"Modification": any physical change in, or change in the method of operations of, an emission source or of air pollution control equipment which increases the amount of any specified air contaminant emitted by such source or equipment or which results in the emission of any specified air contaminant not previously emitted. It shall be presumed that an increase in the use of raw materials, the time of operation or the rate of production will change the amount of any specified air contaminant emitted. Notwithstanding any other provisions of this definition, for purposes of permits issued pursuant to Subpart D, the Illinois Environmental Protection Agency (Agency) may specify conditions under which an emission source or air pollution control equipment may be operated without causing a modification as herein defined, and normal cyclical variations, before the date operating permits are required, shall not be considered modifications.

"New Air Pollution Control Equipment": any air pollution control equipment, the construction or modification of which is commenced on or after April 14, 1972.

"New Emission Source": any emission source, the construction or modification of which is commenced on or after April 14, 1972.

"Owner or Operator": any person who owns, leases, controls or supervises an emission source or air pollution control equipment.

"Person": any individual, corporation, partnership, firm, association, trust estate, public or private institution, group, agency, political subdivision of this State, any other State or political subdivision or agency thereof or any legal successor, representative, agent or agency of the foregoing.

"PSD Increment": the maximum allowable increase over baseline concentration of any air contaminant as determined by Section 163 of the Clean Air Act (42 U.S.C. 7473) and regulations adopted thereunder.

"Specified Air Contaminant": any air contaminant as to which this Subtitle contains emission standards or other specific limitations and any contaminant regulated in Illinois pursuant to Section 9.1 of the Act.

"Standard Industrial Classification Manual": The Standard Industrial Classification Manual (1972), Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

SUBPART L: CONTINUOUS MONITORING

Section 201.401 Continuous Monitoring Requirements

- a) Except as otherwise provided at Section 201.402 and Section 201.403, the owners and operators of the following emission sources shall install, operate, calibrate and maintain continuous monitoring equipment for the indicated pollutants.
 - 1) Fossil fuel-fired steam generators with an annual average capacity factor greater than 30%, as reported to the Federal Power Commission for calendar year 1974, or as otherwise demonstrated to the Agency through the use of annual production data and equipment rating information representative of the facility's operations, shall monitor for:
 - A) Opacity, when the steam generator is greater than 250 million Btu per hour heat input unless:
 - i) Gas is the only fuel burned; or
 - ii) Oil or a mixture of gas and oil are the only fuels burned and the source can comply with the limitations applicable to that source for particulate matter and opacity without use of collection equipment for particulate matter and the source has never been found to be in violation of an applicable visible or particulate emission standard through any administrative or judicial proceedings.
 - B) Nitrogen oxides, when:
 - i) The steam generator is greater than 1000 million Btu per hour heat input;
 - ii) The facility is located in an Air Quality Control Region where the Administrator, U.S. Environmental Protection Agency, has specifically determined pursuant to Section 107 for the Clean Air Act (42 U.S.C. 7407) that a control strategy for nitrogen dioxide is necessary to attain the national standards; and
 - iii) The owner or operator has not demonstrated during compliance tests performed pursuant to 35 Ill. Adm. Code

~~230-Appendix A~~ or in regulations adopted by the U.S. Environmental Protection Agency under Section 111 of the Clean Air Act and made applicable in Illinois pursuant to Section 9-1 of the Illinois Environmental Protection Act that the source emits nitrogen oxides at levels less than 30% or more below the emissions standards applicable to that source. Such compliance tests shall be performed pursuant to regulations promulgated by the U.S. Environmental Protection Agency under Section 111 of the Clean Air Act (42 USC 7411), as amended. THE PROVISIONS OF SECTION 111 OF THE CLEAN AIR ACT...RELATING TO STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES... ARE APPLICABLE IN THIS STATE AND ARE ENFORCEABLE UNDER [THE ENVIRONMENTAL PROTECTION ACT]. (ILL. REV. STAT. CH. 111 $\frac{1}{2}$, PAR. 1009.1(B))

- C) Sulfur dioxide, when the steam generator is greater than 250 million Btu per hour heat input and which has installed and operates sulfur dioxide pollution control equipment.
- D) Percent oxygen or carbon dioxide, when measurements of oxygen or carbon dioxide in the flue gas are required pursuant to ~~35 Ill. Adm. Code 230- Appendix A~~ or in regulations adopted by the U.S. Environmental Protection Agency under Section 111 of the Clean Air Act, (42 USC 7411) as amended, and made applicable in Illinois pursuant to Section 9-1 of the Illinois Environmental Protection Act, or 40 CFR 51, Appendix P (~~This incorporation includes no later amendments or editions.~~) to convert sulfur dioxide or nitrogen oxide continuous emissions data to units of the applicable emission standard applicable to that source. THE PROVISIONS OF SECTION 111 OF THE CLEAN AIR ACT RELATING TO STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES ARE APPLICABLE IN THIS STATE AND ARE ENFORCEABLE UNDER [THE ILLINOIS ENVIRONMENTAL PROTECTION ACT]. (ILL. REV. STAT., CH. 111 $\frac{1}{2}$, PAR. 1009.1(b)).
- 2) Sulfuric acid plants of greater than 300 tons per day production capacity, the production being expressed as 100 percent acid, shall monitor for sulfur dioxide at each point of sulfur dioxide emission.

- 3) Nitric acid plants of greater than 300 tons per day production capacity, the production capacity being expressed as 100 percent acid, located in an Air Quality Control Region where the Administrator, U.S. Environmental Protection Agency, has specifically determined pursuant to Section 107 of the Clean Air Act that a control strategy for nitrogen dioxide is necessary to attain the national standard, shall monitor for nitrogen oxides at each point of nitrogen oxide emission.
 - 4) Petroleum refineries shall monitor for opacity at each catalyst regenerator for fluid bed catalytic cracking units of greater than 20,000 barrels per day fresh feed capacity.
- b) Except for sources permitted to use alternative monitoring pursuant to Section 201.402, compliance with the Illinois emissions limitations by the owners and operators of emission sources required to monitor continuously shall be determined by the use of equipment which meets the performance specifications set forth in paragraphs 3.1 through 3.8 of 40 CFR 51, Appendix P (1987) (this incorporation includes no later amendments or editions), and relevant portions of 35 Ill. Adm. Code 230-Appendix A and B; regulations promulgated by the U.S. Environmental Protection Agency under Section 111 of the Clean Air Act (42 USC 7411), as amended. THE PROVISIONS OF SECTION 111 OF THE CLEAN AIR ACT RELATING TO STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES...ARE APPLICABLE IN THIS STATE AND ARE ENFORCEABLE UNDER [THE ENVIRONMENTAL PROTECTION ACT]. (ILL. REV. STAT., CH. 111½, PAR. 109.1(b)).

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

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

PART 212
VISIBLE AND PARTICULATE MATTER EMISSIONS

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212.110	Measurement Methods
212.111	Abbreviations and Units
212.112	Definitions
212.113	Incorporations by Reference

SUBPART B: VISIBLE EMISSIONS

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212.126	Adjusted Opacity Standards Procedures

SUBPART D: PARTICULATE MATTER EMISSIONS FROM INCINERATORS

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SUBPART E: PARTICULATE MATTER EMISSIONS FROM
FUEL COMBUSTION EMISSION SOURCES

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212.202	Existing Sources Using Solid Fuel Exclusively Located Outside the Chicago Area
212.203	Existing Controlled Sources Using Solid Fuel Exclusively
212.204	New Sources Using Solid Fuel Exclusively
212.205	Existing Coal-fired Industrial Boilers Equipped with Flue Gas Desulfurization Systems
212.206	Sources Using Liquid Fuel Exclusively
212.207	Sources Using More Than One Type of Fuel
212.208	Aggregation of Existing Sources

SUBPART K: FUGITIVE PARTICULATE MATTER

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212.307 Materials Collected by Pollution Control Equipment
212.308 Spraying or Choke-Feeding Required
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SUBPART L: PARTICULATE MATTER EMISSIONS
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SUBPART N: FOOD MANUFACTURING

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SUBPART O: PETROLEUM REFINING, PETROCHEMICAL
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Section
212.381 Catalyst Regenerators of Fluidized Catalytic Converters

SUBPART Q: STONE, CLAY, GLASS
AND CONCRETE MANUFACTURING

Section
212.421 New Portland Cement Processes
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SUBPART R: PRIMARY AND FABRICATED METAL
PRODUCTS AND MACHINERY MANUFACTURE

Section
212.441 Steel Manufacturing Processes
212.442 Beehive Coke Ovens
212.443 By-Product Coke Plants
212.444 Sinter Processes
212.445 Blast Furnace Cast Houses
212.446 Basic Oxygen Furnaces
212.447 Hot Metal Desulfurization Not Located in the BOF

212.448 Electric Arc Furnaces
212.449 Argon-Oxygen Decarburization Vessels
212.450 Liquid Steel Charging
212.451 Hot Scarfing Machines
212.452 Measurement Methods
212.455 Highlines on Steel Mills
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SUBPART S: AGRICULTURE

Section
212.461 Grain Handling and Drying in General
212.462 Grain Handling Operations
212.463 Grain Drying Operations

SUBPART T: CONSTRUCTION AND WOOD PRODUCTS

Section
212.681 Grinding, Woodworking, Sandblasting and Shotblasting

Appendix A Rule into Section Table
Appendix B Section into Rule Table
Appendix C Past Compliance Dates

Illustration A Allowable Emissions from Solid Fuel Combustion
Emission Sources Outside Chicago
Illustration B Limitations for all New Process Emission Sources
Illustration C Limitations for all Existing Process Emission
Sources

AUTHORITY: Implementing Section 10 and authorized by Section 27
of the Environmental Protection Act (Ill. Rev. Stat. 1987, ch.
111 1/2, pars. 1010 and 1027)

SOURCE: Adopted as Chapter 2: Air Pollution, Rules 202 and
203: Visual and Particulate Emission Standards and Limitations,
R71-23, 4 PCB 191, filed and effective April 14, 1972; amended in
R77-15, 32 PCB 403, at 3 Ill. Reg. 5, p. 798, effective
February 3, 1979; amended in R78-10, 35 PCB 347, at 3 Ill. Reg.
39, p. 184, effective September 28, 1979; amended in R78-11, 35
PCB 505, at 3 Ill. Reg. 45, p. 100, effective October 26, 1979;
amended in R78-9, 38 PCB 411, at 4 Ill. Reg. 24, p. 514,
effective June 4, 1980; amended in R79-11, 43 PCB 481, at 5 Ill.
Reg. 11590, effective October 19, 1981; codified at 7 Ill. Reg.
13591; amended in R82-1 (Docket A) at 10 Ill. Reg. 12637,
effective July 9, 1986; amended in R85-33 at 10 Ill. Reg. 18030,
effective October 7, 1986; amended in R84-48 at 10 Ill. Reg. 691,
effective December 18, 1986; amended in R84-42 at 11 Ill. Reg.
1410, effective December 30, 1986; amended in R82-1(Docket B) at
12 Ill. Reg. 12492, effective July 13, 1988; amended in R89-7(B)
at _____, effective _____.

Section 212.205 Existing Coal-fired Industrial Boilers
Equipped with Flue Gas Desulfurization Systems

Notwithstanding Sections 212.201 through 212.204, no person shall cause or allow the emission of particulate matter into the atmosphere from existing coal-fired industrial boilers equipped with flue gas desulfurization systems to exceed 0.39 kg of particulate matter per MW-hr of actual heat input in any one-hour period (0.25 lbs/mmBtu). Nothing in this rule shall be construed to prevent compliance with applicable regulations in 35 Ill. Adm. Code 230, promulgated by the U.S. Environmental Protection Agency under Section 111 of the Clean Air Act (42 USC 7411) as amended. THE PROVISIONS OF SECTION 111 OF THE CLEAN AIR ACT RELATING TO STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES...ARE APPLICABLE IN THIS STATE AND ARE ENFORCEABLE UNDER [THE ENVIRONMENTAL PROTECTION ACT]. (ILL. REV. STAT., CH. 111½, PAR. 1009.1(b)).

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

SUBPART R: PRIMARY AND FABRICATED METAL
PRODUCTS AND MACHINERY MANUFACTURE

Section 212.443 By-Product Coke Plants

- a) Subpart B shall not apply to by-product coke plants.
- b) Charging:
 - 1) Uncaptured Emissions
 - A) No person shall cause or allow the emission of visible particulate matter from any coke oven charging operation, from the introduction of coal into the first charge port, as indicated by the first mechanical movement of the coal feeding mechanism on the larry car, to the replacement of the final charge port lid for more than a total of 125 seconds over 5 consecutive charges; provided however that 1 charge out of any 20 consecutive charges may be deemed an uncountable charge at the option of the operator.
 - B) Compliance with the limitation set forth in subsection (A) shall be determined in the following manner:
 - i) Observation of charging emissions shall be made from any point or points on the topside of a coke oven battery from which a qualified observer can obtain an unobstructed view of the charging operation.
 - ii) The qualified observer shall time the visible emissions with a stopwatch while observing the charging operation. Only emissions from the charge port and any part of the larry car shall be timed. The observation shall commence as soon as coal is introduced into the first charge port as indicated by the first mechanical movement of the coal feeding mechanism on the larry car and shall terminate when the last charge port lid has been replaced. Simultaneous emissions from more than one emission point shall be timed and recorded as one emission and shall not be added individually to the total time.

- iii) The qualified observer shall determine and record the total number of seconds that charging emissions are visible during the charging of coal to the coke oven.
- iv) For each charge observed, the qualified observer shall record the total number of seconds of visible emissions, the clock time for the initiation and completion of the charging operation and the battery identification and oven number.
- v) The qualified observer shall not record any emissions observed after all charging port lids have been firmly seated following removal of the larry car, such as emissions occurring when a lid has been temporarily removed to permit spilled coal to be swept into the oven.
- vi) In the event that observations from a charge are interrupted the data from the charge shall be invalidated and the qualified observer shall note on his observation sheet the reason for invalidating the data. The qualified observer shall then resume observation of the next consecutive charge or charges and continue until a set of five charges has been recorded. Charges immediately preceding and following interrupted observations shall be considered consecutive.

2) Emissions from Control Equipment

- A) Emissions of particulate matter from control equipment used to capture emissions during charging shall not exceed 0.046 gm/dscm (0.020 gr/dscf). Compliance shall be determined in accordance with the procedures set forth in 35 ~~Ill. Adm. Code 230-Appendix A~~ (40 CFR 60, Appendix A, Methods 1-5) as regulations promulgated by the U.S. Environmental Protection Agency under Section 111 of the Clean Air Act (42 USC 7411), as amended. THE PROVISIONS OF SECTION 111 OF THE CLEAN AIR ACT...RELATING TO STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES...ARE APPLICABLE IN THIS STATE AND ARE ENFORCEABLE UNDER [THE ENVIRONMENTAL PROTECTION ACT]. (ILL. REV. STAT., CH. 111 $\frac{1}{2}$, PAR. 1009.1(B)).

B) The opacity of emissions from control equipment shall not exceed an average of 20%, averaging the total number of readings taken. Opacity readings shall be taken at 15-second intervals from the introduction of coal into the first charge port as indicated by the first mechanical movement of the coal feeding mechanism on the larry car to the replacement of the final charge port lid. Compliance, except for the number of readings required, shall be determined in accordance with 35 Ill. Adm. Code 230-Appendix A (40 CFR 60, Appendix A, Method 9), except for the number of readings required: as regulations promulgated by the U.S. Environmental Protection Agency under Section 111 of the Clean Air Act (42 USC 7411), as amended. THE PROVISIONS OF SECTION 111 OF THE CLEAN AIR ACT...RELATING TO STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES...ARE APPLICABLE IN THIS STATE AND ARE ENFORCEABLE UNDER [THE ENVIRONMENTAL PROTECTION ACT]. (ILL. REV. STAT., CH. 111 $\frac{1}{2}$, PAR. 1009.1(B)).

C) Opacity readings of emissions from control equipment shall be taken concurrently with observations of fugitive particulate matter. Two qualified observers shall be required.

3) Qualified observers referenced in subsection (b) shall be certified pursuant to 35 Ill. Adm. Code 230- Appendix A (40 CFR 60, Appendix A, Method 9,) as regulations promulgated by the U.S. Environmental Protection Agency under Section 111 of the Clean Air Act (42 USC 7411), as amended. THE PROVISIONS OF SECTION 111 OF THE CLEAN AIR ACT...RELATING TO STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES...ARE APPLICABLE IN THIS STATE AND ARE ENFORCEABLE UNDER [THE ENVIRONMENTAL PROTECTION ACT]. (ILL. REV. STAT., CH. 111 $\frac{1}{2}$, PAR. 1009.1(B)).

c) Pushing:

1) Uncaptured Emissions

A) Emissions of fugitive particulate matter from pushing operations shall not exceed an average of 20% opacity for 4 consecutive pushes considering the highest average of six consecutive readings in each push. Opacity readings shall be taken at 15-second

intervals, beginning from the time the coke falls into the receiving car or is first visible as it emerges from the coke guide whichever occurs earlier, until the receiving car enters the quench tower or quenching device. For a push of less than 90 seconds duration, the actual number of 15-second readings shall be averaged.

- B) Opacity readings shall be taken by a qualified observer located in a position where the oven being pushed, the coke receiving car and the path to the quench tower are visible. The opacity shall be read as the emissions rise and clear the top of the coke battery gas mains. The qualified observer shall record opacity readings of emissions originating at the receiving car and associated equipment and the coke oven, including the standpipe on the coke side of the oven being pushed. Opacity readings shall be taken in accordance with the procedures set forth in ~~35 Ill. Adm. Code 230-~~ Appendix A (40 CFR 60, Appendix A, Method 9, except that Section 2.5 for data reduction shall not be used. The qualified observer referenced in this subsection shall be certified pursuant to ~~35 Ill. Adm. Code 230-~~ Appendix A (40 CFR 60, Appendix A, Method 9, as regulations promulgated by the U.S. Environmental Protection Agency under Section 111 of the Clean Air Act (42 USC 7411), as amended. THE PROVISIONS OF SECTION 111 OF THE CLEAN AIR ACT...RELATING TO STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES...ARE APPLICABLE IN THIS STATE AND ARE ENFORCEABLE UNDER [THE ENVIRONMENTAL PROTECTION ACT]. (ILL. REV. STAT., CH. 111½, PAR. 1009.1(B)).

2) Emissions from Control Equipment

- A) The particulate emissions from control equipment used to control emissions during pushing operations shall not exceed 0.040 pounds per ton of coke pushed. Compliance shall be determined in accordance with the procedures set forth in ~~35 Ill. Adm. Code 230-~~ Appendix A (40 CFR 60, Appendix A, Methods 1-5, as regulations promulgated by the U.S. Environmental Protection Agency under Section 111 of the Clean Air Act (42 USC 7411), as amended. THE PROVISIONS OF SECTION 111 OF THE CLEAN AIR ACT...RELATING TO STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES...ARE

APPLICABLE IN THIS STATE AND ARE ENFORCEABLE UNDER [THE ENVIRONMENTAL PROTECTION ACT]. (ILL. REV. STAT., CH. 111½, PAR. 1009.1(B)). and Compliance shall be based on an arithmetic average of three runs (stack tests) and the calculations shall be based on the duration of a push as defined in subsection (c)(1)(A).

B) The opacity of emissions from control equipment used to control emissions during pushing operations shall not exceed 20%. For a push of less than six minutes duration, the actual number of 15-second readings taken shall be averaged. Compliance shall be determined in accordance with ~~35 Ill. Adm. Code 230-Appendix A~~ 40 CFR 60, Appendix A, Method 9, as regulations promulgated by the U.S. Environmental Protection Agency under Section 111 of the Clean Air Act (42 USC 7411), as amended. THE PROVISIONS OF SECTION 111 OF THE CLEAN AIR ACT...RELATING TO STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES...ARE APPLICABLE IN THIS STATE AND ARE ENFORCEABLE UNDER [THE ENVIRONMENTAL PROTECTION ACT]. (ILL. REV. STAT., CH. 111½, PAR. 1009.1(B)). except that Section 2.5 of 40 CFR 60, Appendix A, Method 9 for data reduction shall not be used for pushes of less than six minutes duration.

d) Coke Oven Doors:

- 1) No person shall cause or allow visible emissions from more than 10% of all coke oven doors at any time. Compliance shall be determined by a one pass observation of all coke oven doors on any one battery.
- 2) No person shall cause or allow the operation of a coke oven unless there is on the plant premises at all times an adequate inventory of spare coke oven doors and seals and unless there is a readily available coke oven door repair facility.

e) Coke Oven Lids: No person shall cause or allow visible emission from more than 5% of all coke oven lids at any time. Compliance shall be determined by a one pass observation of all coke oven lids.

f) Coke Oven Offtake Piping: No person shall cause or allow visible emissions from more than 10% of all coke oven offtake piping at any time. Compliance shall be

determined by a one pass observation of all coke oven offtake piping.

- g) Coke Oven Combustion Stack: No person shall cause or allow the emission of particulate matter from a coke oven combustion stack to exceed 110 mg/dscm (0.05 gr/dscf).
- h) Quenching: All coke oven quench towers shall be equipped with grit arrestors or equipment of comparable effectiveness. The make-up water shall not directly include coke by-product plant effluent. Total dissolved solids concentrations in the make-up water shall not exceed 1500 mg/l. Provided however that the limitations on the quality of quench make-up water shall not apply where the operator employs an equivalent method of control as determined by the Agency.
- i) Work Rules: No person shall cause or allow the operation of a by-product coke plant except in accordance with operating and maintenance work rules approved by the Agency.

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

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

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Appendix A Rule into Section Table
Appendix B Section into Rule Table
Appendix C Past Compliance Dates
Appendix D List of Chemicals Defining Synthetic Organic
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Appendix E Reference Methods and Procedures
Appendix F Coefficients for the Total Resource Effectiveness
Index (TRE) Equation

AUTHORITY: Implementing Section 10 and authorized by Section 27
of the Environmental Protection Act (Ill. Rev. Stat. 1987, ch.
111½ pars. 1010 and 1027).

SOURCE: Adopted as Chapter 2: Air Pollution, Rule 205: Organic
Material Emission Standards and Limitations, R71-23, 4 PCB 191,
filed and effective April 14, 1972; amended in R77-3, 33 PCB 357,
at 3 Ill. Reg. 18, p. 41, effective May 3, 1979; amended in R78-3
and R78-4, 35 PCB 75, 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. 13601; Notice of Corrections at
7 Ill. Reg. 14575; amended in R82-14 at 8 Ill. Reg. 13254,
effective July 12, 1984; amended in R83-36 at 9 Ill. Reg. 9114,
effective May 30, 1985; amended in R82-14 at 9 Ill. Reg. 13960,
effective August 28, 1985; amended in R85-28 at 11 Ill. Reg.
3127, effective February 3, 1987; amended in R82-14 at 11 Ill.
Reg. 7296, effective April 3, 1987; amended in R85-21(A) at 11
Ill. Reg. 11770, effective June 29, 1987; recodified in R86-39 at
11 Ill. Reg. 13541; amended in R82-14 and R86-12 at 11 Ill. Reg.
16706, effective September 30, 1987; amended in R85-21(B) at 11
Ill. Reg. 19117, effective November 9, 1987; amended in R86-36,
R86-39, R86-40 at 11 Ill. Reg. 20829, effective December 14,
1987; amended in R82-14 and R86-37 at 12 Ill. Reg. 815, effective
December 24, 1987; amended in R86-18 at 12 Ill. Reg. 7311,
effective April 8, 1988; amended in R86-10 at 12 Ill. Reg. 7650,
effective April 11, 1988; amended in R88-23 at 13 Ill. Reg.
10893, effective June 27, 1989; amended in R89-7(B)
at _____, effective _____.

Section 215.123 Petroleum Liquid Storage Tanks

- a) The requirements of subsection (b) shall not apply to any stationary storage tank:
- 1) Equipped before January 1, 1979 with one of the vapor loss control devices specified in Section 215.121(b), except Section 215.121(b)(1);
 - 2) With a capacity of less than 151.42 cubic meters;
 - 3) With a capacity of less than 1,600 cubic meters (422,400 gallons) and used to store produced crude oil and condensate prior to custody transfer;
 - 4) With a capacity of less than 1,430 cubic meters (378,000 gallons) and used to store produced oil or condensate in crude oil gathering;
 - 5) Subject to new source performance standards for storage vessels of petroleum liquid, ~~35 Ill. Adm. Code 230;~~ 40 CFR 60, as regulations promulgated by the U.S. Environmental Protection Agency under Section 111 of the Clean Air Act (42 USC 7411), as amended. THE PROVISIONS OF SECTION 111 OF THE CLEAN AIR ACT...RELATING TO STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES...ARE APPLICABLE IN THIS STATE AND ARE ENFORCEABLE UNDER [THE ENVIRONMENTAL PROTECTION ACT]. (ILL. REV. STAT., CH. 111½, PAR. 1009.1(B)).
 - 6) In which volatile petroleum liquid is not stored; or
 - 7) Which is a pressure tank as described in Section 215.121(a).
- b) Subject to subsection (a) no owner or operator of a stationary storage tank shall cause or allow the storage of any volatile petroleum liquid in the tank unless:
- 1) The tank is equipped with one of the vapor loss control devices specified in Section 215.121(b);
 - 2) There are no visible holes, tears or other defects in the seal or any seal fabric or material of any floating roof;
 - 3) All openings of any floating roof deck, except stub drains, are equipped with covers, lids or seals such that:

- A) The cover, lid or seal is in the closed position at all times except when petroleum liquid is transferred to or from the tank;
 - B) Automatic bleeder vents are closed at all times except when the roof is floated off or landed on the roof leg supports; and
 - C) Rim vents, if provided, are set to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting;
- 4) Routine inspections of floating roof seals are conducted through roof hatches once every six months;
 - 5) A complete inspection of the cover and seal of any floating roof tank is made whenever the tank is emptied for reasons other than the transfer of petroleum liquid during the normal operation of the tank, or whenever repairs are made as a result of any semiannual inspection or incidence of roof damage or defect; and
 - 6) A record of the results of each inspection conducted under subsection (b)(4) or (b)(5) is maintained.
- c) Owners and operators of petroleum liquid storage tanks were required to have compliance schedules as summarized in Appendix C.

TITLE 35: ENVIRONMENTAL PROTECTION
SUBTITLE B: AIR POLLUTION
CHAPTER I: POLLUTION CONTROL BOARD
SUBCHAPTER e: PEREMPTORY RULES

PART 230
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SUBPART FFF: FLEXIBLE VINYL AND URETHANE
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SUBPART HHH: SYNTHETIC FIBER PRODUCTION FACILITIES

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SUBPART JJJ: PETROLEUM DRY CLEANERS

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230.770 Nonmetallic Mineral Processing Plants

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Table A	Rule into Section Table
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Appendix A	Reference Methods
Appendix B	Performance Specifications
Appendix C	Determination of Emission Rate Change
Appendix F	Quality Assurance Procedures

AUTHORITY: Implementing and authorized by Section 9.1(c) of the Environmental Protection Act (Ill. Rev. Stat. 1985, ch. 111 $\frac{1}{2}$, par. 1009.1(c)).

SOURCE: Peremptory rule adopted at 3 Ill. Reg. 49, p. 285, effective November 28, 1979; Peremptory rule adopted at 4 Ill. Reg. 9, p. 225, effective February 20, 1980; peremptory amendment at 4 Ill. Reg. 15, p. 1, effective March 30, 1980; peremptory amendment at 4 Ill. Reg. 23, p. 124, effective May 27, 1980; peremptory amendment at 4 Ill. Reg. 36, p. 159, effective August 25, 1980; peremptory amendment at 5 Ill. Reg. 1903, effective February 17, 1981; peremptory amendment at 5 Ill. Reg. 14205, effective December 13, 1981; peremptory amendment at 6 Ill. Reg. 3263, effective March 11, 1982; peremptory amendment at 6 Ill. Reg. 6072, effective May 7, 1982; peremptory amendment at 6 Ill. Reg. 10606, effective August 18, 1982; peremptory amendment at 6 Ill. Reg. 14572, effective November 5, 1982; peremptory amendment at 6 Ill. Reg. 15041, effective November 29, 1982; peremptory amendment at 6 Ill. Reg. 15587, effective December 9, 1982; peremptory amendment at 7 Ill. Reg. 976, effective January 10, 1983; peremptory amendment at 7 Ill. Reg. 3227, effective March 14, 1983; peremptory amendment at 7 Ill. Reg. 6978, effective May 12, 1983; peremptory amendment at 7 Ill. Reg. 8001, effective June 21, 1983; peremptory amendment at 7 Ill. Reg. 13700, effective September 29, 1983; codified at 7 Ill. Reg. 13614; peremptory amendment at 7 Ill. Reg. 17021, effective December 8, 1983; peremptory amendment at 7 Ill. Reg. 17460, effective effective February 2, 1984; peremptory amendment at 8 Ill. Reg. 3042, effective February 27, 1984; peremptory amendment at 8 Ill. Reg. 5715, effective April 16, 1984; peremptory amendment at 8 Ill. Reg. 6832, effective May 1, 1984; peremptory amendment at 8 Ill. Reg. 7927, effective May 22, 1984; peremptory amendment at 8 Ill. Reg. 10075, effective June 20, 1984; peremptory amendment at 8 Ill. Reg. 14665, effective August 1, 1984; peremptory amendment at 8 Ill. Reg. 24320, effective November 29, 1984; peremptory amendment at 9 Ill. Reg. 2539, effective February 22, 1985; peremptory amendment at 9 Ill. Reg. 8884, effective May 28, 1985; Corrected at 9 Ill. Reg. 9587; peremptory amendment at 9 Ill. Reg. 10289, effective June 24, 1985; peremptory amendment at 9 Ill. Reg. 13377, effective August 20, 1985; peremptory amendment at 9 Ill. Reg. 17037, effective October 18, 1985; peremptory amendment at 9 Ill. Reg. 20929, effective December 16, 1985; peremptory amendment at 10 Ill. Reg. 3887, effective February 7, 1986; peremptory amendment at 10 Ill. Reg. 4963, effective March 11,

1986; peremptory amendment at 10 Ill. Reg. 10157, effective May 22, 1986; peremptory amendment at 10 Ill. Reg. 11160, effective June 10, 1986; peremptory amendment at 10 Ill. Reg. 12168, effective July 1, 1986; peremptory amendment at 10 Ill. Reg. 13762, effective July 31, 1986; peremptory amendment at 10 Ill. Reg. 16752, effective September 22, 1986; peremptory amendment at 10 Ill. Reg. 18051, effective October 6, 1986; peremptory amendment at 11 Ill. Reg. 1709, effective January 2, 1987; peremptory amendment at 11 Ill. Reg. 8794, effective April 15, 1987; peremptory amendment at 11 Ill. Reg. 10927, effective June 1, 1987; peremptory amendment at 11 Ill. Reg. 11557, effective June 18, 1987; peremptory amendment at 11 Ill. Reg. 12050, effective July 2, 1987; peremptory amendment at 11 Ill. Reg. 14837, effective August 25, 1987; Repealed at ____ Ill. Reg. _____, effective _____

SUBPART A: GENERAL PROVISIONS

Section 230.110 General Provisions

The Board incorporates by reference 40 CFR 60, Subpart A (1986); as amended at 52 Fed. Reg. 9778, March 26, 1987; as amended at 52 Fed. Reg. 17555, May 11, 1987.

SUBPART D: STEAM GENERATORS

Section 230.140 Fossil Fuel-Fired Steam Generators for which Construction is Commenced after August 17, 1971

The Board incorporates by reference 40 CFR 60, Subpart D (1986), as amended at 51 Fed. Reg. 42796, November 25, 1986; as amended at 51 Fed. Reg. 42839, November 26, 1986.

Section 230.141 Electric Utility Steam Generating Units for which Construction is Commenced after September 18, 1978

The Board incorporates by reference 40 CFR 60, Subpart Da (1986), as amended at 51 Fed. Reg. 42839, November 26, 1986.

Section 230.142 Industrial - Commercial - Institutional Steam Generating Units for which Construction is Commenced after June 19, 1984

The Board incorporates by reference 40 CFR 60, Subpart Db as adopted at 51 Fed. Reg. 42768, November 25, 1986; as amended at 51 Fed. Reg. 42839, November 26, 1986.

SUBPART E: INCINERATORS

Section 230.150 Incinerators

The Board incorporates by reference 40 CFR 60, Subpart E (1982).

SUBPART F: PORTLAND CEMENT PLANTS

Section 230.160 Portland Cement Plants

The Board incorporates by reference 40 CFR 60, Subpart F (1982).

SUBPART G: NITRIC ACID PLANTS

Section 230.170 Nitric Acid Plants

The Board incorporates by reference 40 CFR 60, Subpart G (1982); as amended at 48 Fed. Reg. 23608, May 25, 1983.

SUBPART H: SULFURIC ACID PLANTS

Section 230.180 Sulfuric Acid Plants

The Board incorporates by reference 40 CFR 60, Subpart H (1982), as amended at 48 Fed. Reg. 23608, May 25, 1983; as amended at 48 Fed. Reg. 44700, September 29, 1983; as amended at 48 Fed. Reg. 48669, October 20, 1983.

SUBPART I: ASPHALT CONCRETE PLANTS

Section 230.190 Asphalt Concrete Plants

The Board incorporates by reference 40 CFR 60, Subpart I (1985), as amended at 51 Fed. Reg. 12324, April 10, 1986.

SUBPART J: PETROLEUM REFINERIES

Section 230.200 Petroleum Refineries

The Board incorporates by reference 40 CFR 60, Subpart J (1986), as amended at 51 Fed. Reg. 42839, November 26, 1986.

SUBPART K: STORAGE VESSELS FOR PETROLEUM LIQUIDS

Section 230.210 Storage Vessels for Petroleum Liquids for which Construction, Reconstruction or Modification Commenced after June 11, 1973, and Prior to May 19, 1978

The Board incorporates by reference 40 CFR 60, Subpart K (1986),

as amended at 52 Fed. Reg. 11420, April 8, 1987.

Section 230.211 Storage Vessels for Petroleum Liquids for which Construction, Reconstruction or Modification Commenced after May 18, 1978, and prior to July 23, 1984.

The Board incorporates by reference 40 CFR 60, Subpart Ka (1986), as amended at 52 Fed. Reg. 11420, April 8, 1987.

Section 230.212 Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984

The Board incorporates by reference 40 CFR 60, Subpart Kb, as adopted at 52 Fed. Reg. 11420, April 8, 1987, as amended at 52 Fed. Reg. 22779, June 16, 1987.

SUBPART L: SECONDARY LEAD SMELTERS

Section 230.220 Secondary Lead Smelters

The Board incorporates by reference 40 CFR 60, Subpart L (1982).

SUBPART M: SECONDARY BRASS AND BRONZE INGOT PRODUCTION PLANTS

Section 230.230 Secondary Brass and Bronze Ingot Production Plants

The Board incorporates by reference 40 CFR 60, Subpart M (1984), as amended at 49 Fed. Reg. 43616, October 30, 1984.

SUBPART N: BASIC OXYGEN PROCESS FURNACES

Section 230.240 Primary Emissions from Basic Oxygen Process Furnaces Constructed after June 11, 1973

The Board incorporates by reference 40 CFR 60, Subpart N (1985), as amended at 51 Fed. Reg. 150, January 2, 1986.

Section 230.241 Secondary Emissions from Basic Oxygen Steelmaking Facilities Constructed after January 20, 1983

The Board incorporates by reference 40 CFR 60, Subpart Na as

adopted at 51 Fed. Reg. 150, January 2, 1986.

SUBPART O: SEWAGE TREATMENT PLANTS

Section 230.250 Sewage Treatment Plants

The Board incorporates by reference 40 CFR 60, Subpart O (1982).

SUBPART P: PRIMARY COPPER SMELTERS

Section 230.260 Primary Copper Smelters

The Board incorporates by reference 40 CFR 60, Subpart P (1982), as amended at 48 Fed. Reg. 23608, May 25, 1983.

SUBPART Q: PRIMARY ZINC SMELTERS

Section 230.270 Primary Zinc Smelters

The Board incorporates by reference 40 CFR 60, Subpart Q (1982), as amended at 48 Fed. Reg. 23608, May 25, 1983.

SUBPART R: PRIMARY LEAD SMELTERS

Section 230.280 Primary Lead Smelters

The Board incorporates by reference 40 CFR 60, Subpart R (1982), as amended at 48 Fed. Reg. 23608, May 25, 1983.

SUBPART S: PRIMARY ALUMINUM REDUCTION PLANTS

Section 230.290 Primary Aluminum Reduction Plants

The Board incorporates by reference 40 CFR 60, Subpart S (1982).

SUBPART T: THE PHOSPHATE FERTILIZER INDUSTRY:
WET-PROCESS PHOSPHORIC ACID PLANTS

Section 230.300 Phosphate Fertilizer Industry: Wet-Process
Phosphoric Acid Plants

The Board incorporates by reference 40 CFR 60, Subpart T (1982), as amended at 48 Fed. Reg. 3734, January 27, 1983; as amended at 48 Fed. Reg. 7128, February 17, 1983.

SUBPART U: THE PHOSPHATE FERTILIZER INDUSTRY:
SUPERPHOSPHORIC ACID PLANTS

Section 230.310 Phosphate Fertilizer Industry: Superphosphoric Acid Plants

The Board incorporates by reference 40 CFR 60, Subpart U (1982), as amended at 48 Fed. Reg. 3734, January 27, 1983; as amended at 48 Fed. Reg. 7128, February 17, 1983.

SUBPART V: THE PHOSPHATE FERTILIZER INDUSTRY:
DIAMMONIUM PHOSPHATE PLANTS

Section 230.320 Phosphate Fertilizer Industry: Diammonium Phosphate Plants

The Board incorporates by reference 40 CFR 60, Subpart V (1982), as amended at 48 Fed. Reg. 3734, January 27, 1983; as amended at 48 Fed. Reg. 7128, February 17, 1983.

SUBPART W: THE PHOSPHATE FERTILIZER INDUSTRY:
TRIPLE SUPERPHOSPHATE PLANTS

Section 230.330 Phosphate Fertilizer Industry: Triple Superphosphate Plants

The Board incorporates by reference 40 CFR 60, Subpart W (1982), as amended at 48 Fed. Reg. 3734, January 27, 1983; as amended at 48 Fed. Reg. 7128, February 17, 1983.

SUBPART X: THE PHOSPHATE FERTILIZER INDUSTRY:
GRANULAR TRIPLE SUPERPHOSPHATE STORAGE FACILITIES

Section 230.340 Phosphate Fertilizer Industry: Granular Triple Superphosphate Storage Facilities

The Board incorporates by reference 40 CFR 60, Subpart X (1982), as amended at 48 Fed. Reg. 3734, January 27, 1983.

SUBPART Y: COAL PREPARATION PLANTS

Section 230.350 Coal Preparation Plants

The Board incorporates by reference 40 CFR 60, Subpart Y (1982), as amended at 48 Fed. Reg. 3734, January 27, 1983.

SUBPART Z: FERROALLOY PRODUCTION FACILITIES

Section 230.360 Ferroalloy Production Facilities

The Board incorporates by reference 40 CFR 60, Subpart Z (1982),

as amended at 48 Fed. Reg. 3734, January 27, 1983.

SUBPART AA: STEEL PLANTS:
ELECTRIC ARC FURNACES

Section 230.370 Steel Plants: Electric Arc Furnaces

The Board incorporates by reference 40 CFR 60, Subpart AA (1984), as amended at 49 Fed. Reg. 43838, October 31, 1984.

Section 230.371 Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 17, 1983

The Board incorporates by reference 40 CFR 60, Subpart AAa as adopted at 49 Fed. Reg. 43838, October 31, 1984.

SUBPART BB: KRAFT PULP MILLS

Section 230.380 Kraft Pulp Mills

The Board incorporates by reference 40 CFR 60, Subpart BB (1985), as amended at 50 Fed. Reg. 6316, February 14, 1985; as amended at 50 Fed. Reg. 9577, March 8, 1985; as amended at 51 Fed. Reg. 18538, May 20, 1986.

SUBPART CC: GLASS MANUFACTURING PLANTS

Section 230.390 Glass Manufacturing Plants

The Board incorporates by reference 40 CFR 60, Subpart CC (1984), as amended at 49 Fed. Reg. 41030, October 19, 1984

SUBPART DD: GRAIN ELEVATORS

Section 230.400 Grain Elevators

The Board incorporates by reference 40 CFR 60, Subpart DD (1982).

SUBPART EE: SURFACE COATING OF
METAL FURNITURE

Section 230.410 Surface Coating of Metal Furniture

The Board incorporates by reference 40 CFR 60, Subpart EE (1984), as amended at 50 Fed. Reg. 18247, April 30, 1985.

SUBPART GG: STATIONARY GAS TURBINES

Section 230.430 Stationary Gas Turbines

The Board incorporates by reference 40 CFR 60, Subpart GG (1983), as amended at 49 Fed. Reg. 30672, July 31, 1984.

SUBPART HH: LIME MANUFACTURING PLANTS

Section 230.440 Lime Manufacturing Plants

The Board incorporates by reference 40 CFR 60, Subpart HH (1986); as amended at 52 Fed. Reg. 4773, February 17, 1987

SUBPART KK: LEAD-ACID BATTERY MANUFACTURING PLANTS

Section 230.470 Lead-Acid Battery Manufacturing Plants

The Board incorporates by reference 40 CFR 60, Subpart KK (1982).

SUBPART LL: METALLIC MINERAL PROCESSING PLANTS

Section 230.480 Metallic Mineral Processing Plants

The Board incorporates by reference 40 CFR 60, Subpart LL, as adopted at 49 Fed. Reg. 6458, February 21, 1984.

SUBPART MM: AUTOMOBILE AND LIGHT-DUTY TRUCK
SURFACE COATING OPERATIONS

Section 230.490 Automobile and Light-Duty Truck Surface Coating
Operations

The Board incorporates by reference 40 CFR 60, Subpart MM (1982).

SUBPART NN: PHOSPHATE ROCK PLANTS

Section 230.500 Phosphate Rock Plants

The Board incorporates by reference 40 CFR 60, Subpart NN (1982).

SUBPART PP: AMMONIUM SULFATE MANUFACTURE

Section 230.520 Ammonium Sulfate Manufacture

The Board incorporates by reference 40 CFR 60, Subpart PP (1982).

SUBPART QQ: GRAPHIC ARTS INDUSTRY:
PUBLICATION ROTOGRAVURE PRINTING

Section 230.530 Graphic Arts Industry: Publication Rotogravure
Printing

The Board incorporates by reference 40 CFR 60, Subpart QQ (1982),
as amended at 47 Fed. Reg. 50644, November 8, 1982; as amended at
48 Fed. Reg. 1056, January 10, 1983.

SUBPART RR: PRESSURE SENSITIVE TAPE AND LABEL
SURFACE COATING OPERATIONS

Section 230.540 Pressure Sensitive Tape and Label Surface
Coating Operations

The Board incorporates by reference 40 CFR 60, Subpart RR (1983),
as amended at 48 Fed. Reg. 48368, October 18, 1983.

SUBPART SS: INDUSTRIAL SURFACE COATING:
LARGE APPLIANCES

Section 230.550 Industrial Surface Coating: Large Appliances

The Board incorporates by reference 40 CFR 60, Subpart SS (1982),
as amended at 47 Fed. Reg. 47778, October 27, 1982.

SUBPART TT: METAL COIL SURFACE COATING

Section 230.560 Metal Coil Surface Coating Operations

The Board incorporates by reference 40 CFR 60, Subpart TT (1985),
as amended at 47 Fed. Reg. 49606, November 1, 1982; as amended in
R86-26 at 51 Fed. Reg. 22938, June 24, 1986.

SUBPART UU: ASPHALT PROCESSING AND
ASPHALT ROOFING MANUFACTURE

Section 230.570 Asphalt Processing and Asphalt Roofing
Manufacture

The Board incorporates by reference 40 CFR 60, Subpart UU
(1982), as amended at 47 Fed. Reg. 34137, August 6, 1982.

SUBPART VV: EQUIPMENT LEAKS OF VOC IN THE SYNTHETIC
ORGANIC CHEMICALS MANUFACTURING INDUSTRY

Section 230.580 Equipment Leaks of VOC in the Synthetic Organic
Chemicals Manufacturing Industry

The Board incorporates by reference 40 CFR 60, Subpart VV (1983), as amended at 48 Fed. Reg. 48328, October 18, 1983; as amended at 49 Fed. Reg. 22598, May 30, 1984; as amended at 49 Fed. Reg. 26738, June 29, 1984.

SUBPART WW: BEVERAGE CAN SURFACE COATING INDUSTRY

Section 230.590 Beverage Can Surface Coating Industry

The Board incorporates by reference 40 CFR 60, Subpart WW as adopted at 48 Fed. Reg. 38728, August 25, 1983.

SUBPART XX: BULK GASOLINE TERMINALS

Section 230.600 Bulk Gasoline Terminals

The Board incorporates by reference 40 CFR 60, Subpart XX as adopted at 48 Fed. Reg. 35790, August 18, 1983.

SUBPART FFF: FLEXIBLE VINYL AND
COATING AND PRINTING

Section 230.680 Flexible Vinyl and Urethane Coating and
Printing

The Board incorporates by reference 40 CFR 60, Subpart FFF as adopted at 49 Fed. Reg. 26884, June 29, 1984; as amended at 49 Fed. Reg. 32848, August 17, 1984.

SUBPART GGG: EQUIPMENT LEAKS OF VOC
IN PETROLEUM REFINERIES

Section 230.690 Equipment Leaks of VOC in Petroleum Refineries

The Board incorporates by reference 40 CFR 60, Subpart GGG as adopted at 49 Fed. Reg. 22598, May 30 1984.

SUBPART HHH: SYNTHETIC FIBER
PRODUCTION FACILITIES

Section 230.700 Synthetic Fiber Production Facilities

The Board incorporates by reference 40 CFR 60, Subpart HHH (1983), as amended at 49 Fed. Reg. 13646, April 5, 1984; as amended at 49 Fed. Reg. 18096, April 27, 1984.

SUBPART JJJ: PETROLEUM DRY CLEANERS

Section 230.720 Petroleum Dry Cleaners

The Board incorporates by reference 40 CFR 60, Subpart JJJ (1984) as amended at 50 Fed. Reg. 49022, November 27, 1985.

SUBPART KKK: EQUIPMENT LEAKS OF VOC FROM
ONSHORE NATURAL GAS PROCESSING PLANTS

Section 230.730 Equipment Leaks of VOC from Onshore Natural Gas
Processing Plants

The Board incorporates by reference 40 CFR 60, Subpart KKK, as adopted at 50 Fed. Reg. 26122, June 24, 1985.

SUBPART LLL: ONSHORE NATURAL GAS PROCESSING;
SO₂ EMISSIONS

Section 230.740 Onshore Natural Gas Processing; SO₂ Emissions

The Board incorporates by reference 40 CFR 60, Subpart LLL, as adopted at 50 Fed. Reg. 40158, October 1, 1985.

SUBPART OOO: NONMETALLIC MINERAL PROCESSING PLANTS

Section 230.770 Nonmetallic Mineral Processing Plants

The Board incorporates by reference 40 CFR 60, Subpart OOO, as adopted at 50 Fed. Reg. 31328, August 1, 1985.

SUBPART PPP: WOOL FIBERGLASS
INSULATION MANUFACTURING PLANTS

Section 230.780 Wool Fiberglass Insulation Manufacturing
Plants

The Board incorporates by reference 40 CFR 60, Subpart PPP as adopted at 50 Fed. Reg. 7694, February 25, 1985.

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Appendix A: Reference Methods

The Board incorporates by reference 40 CFR 60, Appendix A, (1986); as amended at 51 Fed. Reg. 29104, August 14, 1986; as amended at 51 Fed. Reg. 32454, September 12, 1986; as amended at 51 Fed. Reg. 42839, November 26, 1986; as amended at 51 Fed. Reg. 44803, December 12, 1986; as amended at 52 Fed. Reg. 5105, February 19, 1987; as amended at 52 Fed. Reg. 9778, March 26, 1987; as amended at 52 Fed. Reg. 19797 (numbered as 18797), May 27, 1987; as amended at 52 Fed. Reg. 20391, June 1, 1987; as amended in R87-15, July 16, 1987.

Appendix B Performance Specifications

The Board incorporates by reference 40 CFR 60, Appendix B 1986, as amended at 52 Fed. Reg. 17555, May 11, 1987.

Appendix C
Determination of Emission Rate Change

The Board incorporates by reference 40 CFR 60, Appendix C (1982).

Appendix F: Quality Assurance Procedures

The Board incorporates by reference 52 Fed. Reg. 21003, June 4, 1987, as amended in R87-17, July 16, 1987; as amended at 52 Fed. Reg. 27612, July 22, 1987.

TITLE 35: ENVIRONMENTAL PROTECTION
SUBTITLE B: AIR POLLUTION
CHAPTER I: POLLUTION CONTROL BOARD
SUBCHAPTER e: PEREMPTORY RULES

PART 231
HAZARDOUS AIR POLLUTANTS (REPEALED)

SUBPART A: GENERAL PROVISIONS

Section
231.110 General Provisions

SUBPART B: RADON-222 EMISSIONS
FROM UNDERGROUND URANIUM MINES

Section
231.120 Emission Standard for Asbestos (renumbered)
231.122 Radon-222 Emissions from Underground Uranium Mines

SUBPART C: BERYLLIUM

Section
231.130 Emission Standard for Beryllium

SUBPART D: BERYLLIUM ROCKET MOTOR FIRING

Section
231.140 Emission Standard for Beryllium Rocket Motor Firing

SUBPART E: MERCURY

Section
231.150 Emission Standard for Mercury

SUBPART F: VINYL CHLORIDE

Section
231.160 Emission Standard for Vinyl Chloride

SUBPART H: RADIONUCLIDE EMISSIONS FROM
DEPARTMENT OF ENERGY (DOE) FACILITIES

231.180 Radionuclide Emissions from Department of Energy
(DOE) Facilities

SUBPART I: RADIONUCLIDE EMISSIONS FROM
FACILITIES LICENSED BY THE NUCLEAR REGULATORY
COMMISSION (NRC) AND FEDERAL FACILITIES NOT
COVERED BY 35 ILL. ADM. CODE 231.180

Section
231.190 Radionuclide Emissions from Facilities Licensed by
the Nuclear Regulatory Commission (NRC) and Federal
Facilities Not Covered by 35 Ill. Adm. Code 231.180

SUBPART J: EQUIPMENT LEAKS (Fugitive Emission Sources)
OF BENZENE

Section
231.200 Equipment Leaks (Fugitive Emission Sources) of
Benzene

SUBPART K: RADIONUCLIDE EMISSIONS FROM
ELEMENTAL PHOSPHORUS PLANTS

Section
231.210 Radionuclide Emissions from Elemental Phosphorus
Plants

SUBPART M: ASBESTOS

Section
231.230 Emission Standard for Asbestos

SUBPART N: INORGANIC ARSENIC EMISSIONS
FROM GLASS MANUFACTURING PLANTS

Section
231.240 Inorganic Arsenic Emissions from Glass
Manufacturing Plants

SUBPART O: INORGANIC ARSENIC EMISSIONS
FROM PRIMARY COPPER SMELTERS

Section
231.250 Inorganic Arsenic Emissions from Primary
Copper Smelters

SUBPART P: INORGANIC ARSENIC EMISSIONS
FROM ARSENIC TRIOXIDE AND METALLIC
ARSENIC PRODUCTION FACILITIES

Section
231.260 Inorganic Arsenic Emissions from Arsenic Trioxide
and Metallic Arsenic Production Facilities

SUBPART V: EQUIPMENT LEAKS (Fugitive Emission Sources)

Section
231.320 Equipment Leaks (Fugitive Emission Sources)

SUBPART W: RADON-222 EMISSIONS FROM
LICENSED URANIUM MILL TAILINGS

Section
231.330 Radon-222 Emissions from Licensed Uranium Mill
Tailings

Table A Rule into Section Table; Section into Rule Table
Appendix A National Emission Standards for Hazardous Air
Pollutants, Compliance Status Information
Appendix B Test Methods
Appendix C Quality Assurance Procedures

AUTHORITY: Implementing and authorized by Section 9.1(c) of the
Environmental Protection Act (Ill. Rev. Stat. 1985, ch. 111 $\frac{1}{2}$,
par. 1009.1(c)).

SOURCE: Peremptory rule adopted at 4 Ill. Reg. 9, p. 255,
effective February 20, 1980; peremptory amendment at 6 Ill. Reg.
9437, effective July 15, 1982; peremptory amendment at 6 Ill.
Reg. 14572, effective November 5, 1982; peremptory amendment at 7
Ill. Reg. 3029, effective March 7, 1983; codified at 7 Ill. Reg.
13624; peremptory amendment at 8 Ill. Reg. 1815, effective
January 24, 1984; peremptory amendment at 8 Ill. Reg. 14660,
effective August 1, 1984; peremptory amendment at 8 Ill. Reg.
24315, effective November 29, 1984; peremptory amendment at 9
Ill. Reg. 8878, effective May 28, 1985; peremptory amendment at 9
Ill. Reg. 9249, effective June 4, 1985; peremptory amendment at 9
Ill. Reg. 20924, effective December 16, 1985, peremptory
amendment at 10 Ill. Reg. effective 9820, effective May 20, 1986;
peremptory amendment at 10 Ill. Reg. 10152, effective May 21,
1986; peremptory amendment at 10 Ill. Reg. 15315, effective
September 9, 1986; peremptory amendment in R86-43, R86-45, R86-47
at 10 Ill. Reg. 19578, effective October 30, 1986; peremptory
amendment at Ill. Reg. 10922, effective June 1, 1987; peremptory
amendment at 11 Ill. Reg. 11551, effective June 18, 1987;
peremptory amendment at 11 Ill. Reg. 14848, effective August 25,
1987; repealed at ___ Ill. Reg. _____, effective _____.

SUBPART A: GENERAL PROVISIONS

Section 231.110 General Provisions

The Board incorporates by reference 40 CFR 61, Subpart A (1986), as amended at 51 Fed. Reg. 34904, September 30, 1986.

SUBPART B: RADON-222 EMISSIONS FROM
UNDERGROUND URANIUM MINES

Section 231.120 Emission Standard for Asbestos (renumbered)

Section 231.122 Radon-222 Emissions from Underground
Uranium Mines

The Board incorporates by reference 40 CFR 61, Subpart B as adopted at 50 Fed. Reg. 15386, April 17, 1985.

SUBPART C: BERYLLIUM

Section 231.130 Emission Standard for Beryllium

The Board incorporates by reference 40 CFR 61, Subpart C (1982).

SUBPART D: BERYLLIUM ROCKET MOTOR FIRING

Section 231.140 Emission Standard for Beryllium Rocket Motor
Firing

The Board incorporates by reference 40 CFR 61, Subpart D (1982).

SUBPART E: MERCURY

Section 231.150 Emission Standard for Mercury

The Board incorporates by reference 40 CFR 61, Subpart E (1986), as amended at 52 Fed. Reg. 8724, March 19, 1987.

SUBPART F: VINYL CHLORIDE

Section 231.160 Emission Standard for Vinyl Chloride

The Board incorporates by reference 40 CFR 61, Subpart F (1986), as amended at 51 Fed. Reg. 34904, September 30, 1986.

SUBPART H: RADIONUCLIDE EMISSIONS FROM
DEPARTMENT OF ENERGY (DOE) FACILITIES

Section 231.180 Radionuclide Emissions from Department of
Energy (DOE) Facilities

The Board incorporates by reference 40 CFR 61, Subpart H as adopted by 50 Fed. Reg. 5190, February 6, 1985.

SUBPART I: RADIONUCLIDE EMISSIONS FROM
FACILITIES LICENSED BY THE NUCLEAR REGULATORY
COMMISSION (NRC) AND FEDERAL FACILITIES NOT
COVERED BY 35 ILL. ADM. CODE 231.180

Section 231.190 Radionuclide Emissions from Facilities
Licensed by the Nuclear Regulatory Commission
(NRC) and Federal Facilities Not Covered by 35
Ill. Adm. Code 231.180

The Board incorporates by reference 40 CFR 61, Subpart I as adopted by 50 Fed. Reg. 5190, February 6, 1985.

SUBPART J: EQUIPMENT LEAKS (Fugitive Emission Sources)
OF BENZENE

Section 231.200 Equipment Leaks (Fugitive Emission Sources)
of Benzene

The Board incorporates by reference 40 CFR 61, Subpart J as adopted at 49 Fed. Reg. 23498, June 6, 1984.

SUBPART K: RADIONUCLIDE EMISSIONS FROM
ELEMENTAL PHOSPHORUS PLANTS

Section 231.210 Radionuclide Emissions from Elemental
Phosphorus Plants

The Board incorporates by reference 40 CFR 61, Subpart K (1986), as amended at 52 Fed. Reg. 28140, July 28, 1987.

SUBPART M: ASBESTOS

Section 231.230 Emission Standard for Asbestos

The Board incorporates by reference 40 CFR 61, Subpart M (1985) as amended at 51 Fed. Reg. 8199, March 10, 1986.

SUBPART N: INORGANIC ARSENIC EMISSIONS FROM
GLASS MANUFACTURING PLANTS

Section 231.240 Inorganic Arsenic Emissions from Glass
Manufacturing Plants

The Board incorporates by reference 40 CFR 61, Subpart N as adopted at 51 Fed. Reg. 27956, August 4, 1986; as amended at 51 Fed. Reg. 35354, October 3, 1986.

SUBPART O: INORGANIC ARSENIC EMISSIONS
FROM PRIMARY COPPER SMELTERS

Section 231.250 Inorganic Arsenic Emissions from
Primary Copper Smelters

The Board incorporates by reference 40 CFR 61, Subpart O as adopted at 51 Fed. Reg. 27956, August 4, 1986; as amended at 51 Fed. Reg. 35354, October 3, 1986.

SUBPART P: INORGANIC ARSENIC EMISSIONS
FROM ARSENIC TRIOXIDE AND METALLIC ARSENIC
PRODUCTION FACILITIES

Section 231.260 Inorganic Arsenic Emissions from
Arsenic Trioxide and Metallic Arsenic
Production Facilities

The Board incorporates by reference 40 CFR 61, Subpart P as adopted at 51 Fed. Reg. 27956, August 4, 1986; as amended at 51 Fed. Reg. 35354, October 3, 1986.

SUBPART V: EQUIPMENT LEAKS (Fugitive Emission Sources)

Section 231.320 Equipment Leaks (Fugitive Emission Sources)

The Board incorporates by reference 40 CFR 61, Subpart V (1986) as amended at 51 Fed. Reg. 34904, September 30, 1986.

SUBPART W: RADON-222 EMISSIONS FROM
LICENSED URANIUM MILL TAILINGS

Section 231.330 Radon-222 Emissions from Licensed Uranium Mill
Tailings

The Board incorporates by reference 40 CFR 61, Subpart W as adopted at 51 Fed. Reg. 34056, September 24, 1986.

Table A
Rule into Section Table;
Section into Rule Table

RULE	SECTION
1001	231.110
1002	231.120

1003	231.130
1004	231.140
1005	231.150
1006	231.160
1051	Appendix A
1052	Appendix B

Appendix A
National Emission Standards for Hazardous Air
Pollutants, Compliance Status Information

The Board incorporates by reference 40 CFR 61, Appendix A (1982).

Appendix B
Test Methods

The Board incorporates by reference 40 CFR 61, Appendix B (1986), as amended in R86-33 at 51 Fed. Reg. 27956, August 4, 1986; as amended at 52 Fed. Reg. 20397, June 1, 1987.

Appendix C
Quality Assurance Procedures

The Board incorporates by reference 40 CFR 61, Appendix C (1982) as amended at 47 Fed. Reg. 39168, September 7, 1982.

IT IS SO ORDERED

I, Dorothy M. Gunn, Clerk of the Illinois Pollution Controlboard, hereby certify that the above Opinion and Order was adopted on the 2nd day of December, 1989 by a vote of 6-0.


Dorothy M. Gunn, Clerk
Illinois Pollution Control Board