

ILLINOIS POLLUTION CONTROL BOARD  
May 5, 1994

IN THE MATTER OF: )  
 )  
15% ROP PLAN CONTROL MEASURES )  
FOR VOM EMISSIONS - PART I: ) R94-12  
PRESSURE/VACUUM RELIEF VALVES ) (Rulemaking)  
AND 7.2 RVP (AMENDMENTS TO )  
35 ILL. ADM. CODE 201, 211, )  
218, AND 219) )

Proposed Rule. First Notice.

OPINION AND ORDER OF THE BOARD (by R. C. Flemal):

On April 25, 1994, the Illinois Environmental Protection Agency (Agency) filed this proposal for rulemaking. Section 182(b)(1) of the Clean Air Act (CAA), as amended in 1990, requires all moderate and above ozone nonattainment areas to achieve a 15% reduction of 1990 emissions of volatile organic material (VOM) by 1996. In Illinois, the Chicago and the Metro-East St. Louis (Metro-East) areas are classified as "severe" and "moderate" nonattainment for ozone, respectively, and as such are subject to the 15% reduction requirement. Also pursuant to Section 182(b) of the CAA, Illinois is to submit a 15% Rate of Progress Plan (ROP) within three years of the enactment of the CAA Amendments. This rulemaking represents Part I of the rules proposed in the State's 15% ROP.

The proposal contains rules which would include the installation of pressure/vacuum relief valves on storage tank vent pipes at gasoline dispensing operations. Also, for the Metro-East area a lowering of the Reid vapor pressure (RVP) of gasoline from 9.0 pounds per square inch (psi) to 7.2 psi is proposed. An addition of a definition and a few other minor changes necessary for the pressure/vacuum relief valves and RVP rules are proposed.

This proposal was filed pursuant to Section 28.5 of the Environmental Protection Act (Act). (415 ILCS 5/28.5 (1992).) That section requires the Board to proceed with rulemaking under set time-frames. The Board has no discretion to adjust these time frames under any circumstances. Today the Board acts to send this proposal to first notice under the Illinois Administrative Procedure Act, but without commenting on the merits of the proposal.

The following schedule indicates the deadlines by which the Board must act, as provided in Section 28.5:

first notice	on or before May 9, 1994
first hearing	on or before June 18, 1994
second hearing	no later than 30 days after the start of the first hearing
third hearing	no later than 14 days after the start of the second hearing
second notice	
(if third hearing cancelled)	on or before September 2, 1994
(if third hearing held)	on or before September 22, 1994
final adoption and filing	21 days after receipt of JCAR certificate of no objection

The Board notes that the above dates are the deadlines as established by Section 28.5 and do not represent actual hearing dates or filing dates. While the schedule includes second and third hearings, these hearings may be cancelled if they are unnecessary. The Board will proceed in this matter as prescribed in Section 28.5 and discussed in the Board's resolution. (See Clean Air Act Rulemaking Procedures Pursuant to Section 28.5 of the Environmental Protection Act, as Added By P.A. 87-1213, (October 29, 1992 and December 3, 1992), RES 92-2.)

The Agency has filed a motion for waiver of requirements with the proposal. The Agency requests waiver of the following requirements: that the Agency submit the original and nine copies of the entire regulatory proposal; that the Agency submit a copy of the proposal to the Attorney General and the Department of Energy and Natural Resources (ENR); and that the Agency submit copies of all documents upon which it relied. The Agency asks that it be permitted to file an original plus five complete copies of the proposal and four partial copies. A partial copy includes the pleadings and the proposed rules, but does not include the supporting exhibits. The Attorney General and ENR have agreed with the Agency that a copy of the proposal need not be served upon them. The Agency had provided the Board with one copy of the majority of the documents on which it relied, and notes that the other documents are readily accessible or already in the Board's possession. The Board grants the Agency's motion.

ORDER

The Board directs the Clerk to cause publication of the following amendments in the Illinois Register for first notice<sup>1</sup>:

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 K: RECORDS AND REPORTS

Section 201.302 Reports

- a) The owner or operator of any emission ~~source~~ unit or air pollution control equipment, unless specifically exempted in this Section, shall submit to the Agency as a minimum, annual reports detailing the nature, specific ~~sources~~ emission units and total annual quantities of all specified air contaminant emissions; provided, however, that the Agency may require more frequent reports where necessary to accomplish the purposes of the Act and this Chapter.
- b) The Agency may adopt procedures which require that additional reports be submitted, and which set forth the format in which all reports shall be submitted. Such procedures and formats, and revisions thereto, shall not become effective until filed with the Secretary of State as required by the APA.
- ~~e) All emissions data received by the Agency relative to specified air contaminants shall be correlated by the Agency with any emission limitations or standards set forth in Subchapter c of this Chapter.~~
- dc) All emission data received by the Agency, shall be available for public inspection at reasonable times and upon reasonable notice.

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<sup>1</sup> For mailing purposes, the Board has omitted from the order those portions of the tables of contents amounting to some 20 pages that are not proposed to be changed in this rulemaking. Interested persons may view the entirety of the tables of contents in the copy of the proposal submitted by the Agency and retained in the Clerk's file. An entire version including the full tables of contents will also be published in the Illinois Register, and a copy of that submittal will be available in the Clerk's file.

d) Retail gasoline dispensing operations are exempt from the requirements of subsection (a) above unless the source has failed to comply with 35 Ill. Adm. Code 218.586(h) or to obtain a permit under 35 Ill. Adm. Code Part 201 if applicable.

(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 211  
DEFINITIONS AND GENERAL PROVISIONS

211.5060 Pressure/Vacuum Relief Valve

SUBPART B: DEFINITIONS

Section 211.5060 Pressure/Vacuum Relief Valve

"Pressure/vacuum relief valve" means a device affixed to the storage tank vent pipe to prevent the escape or intrusion of gases.

(Source: Added 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

PART 218  
ORGANIC MATERIAL EMISSION STANDARDS AND LIMITATIONS FOR THE  
CHICAGO AREA

SUBPART A: GENERAL PROVISIONS

Section 218.112 Incorporations by Reference

The following materials are incorporated by reference and do not contain any subsequent additions or amendments:

- a) American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103:

- 1) ASTM D2879-86
  - 2) ASTM D323-82
  - 3) ASTM D86-82
  - 4) ASTM D369-69 (1971)
  - 5) ASTM D396-69
  - 6) ASTM D2880-71
  - 7) ASTM D975-68
  - 8) ASTM D3925-81 (1985)
  - 9) ASTM E300-86
  - 10) ASTM D1475-85
  - 11) ASTM D2369-87
  - 12) ASTM D3792-86
  - 13) ASTM D4017-81 (1987)
  - 14) ASTM D4457-85
  - 15) ASTM D2697-86
  - 16) ASTM D3980-87
  - 17) ASTM E180-85
  - 18) ASTM D2372-85
  - 19) ASTM D97-66
  - 20) ASTM E168-67 (1977)
  - 21) ASTM E169-87
  - 22) ASTM E260-91
  - 23) ASTM D2504-83
  - 24) ASTM D2382-83
  - 25) ASTM D323-82 (approved 1982)
- b) Standard Industrial Classification Manual, published by Executive Office of the President, Office of Management and Budget, Washington, D.C., 1987.
- c) American Petroleum Institute Bulletin 2517, "Evaporation Loss From Floating Roof Tanks", Second ed., February, 1980.
- d) 40 CFR Part 60 (July 1, 1991) and 40 CFR 60, Appendix A, Method 24 (57 FR 30654, July 10, 1992).
- e) 40 CFR Part 61 (July 1, 1991).
- f) 40 CFR Part 50 (July 1, 1991).
- g) 40 CFR Part 51 (July 1, 1991).
- h) 40 CFR Part 52 (July 1, 1991).
- i) 40 CFR Part 80 (July 1, 1991) and 40 CFR 80 Appendixes D, E, and F (July 1, 1992).
- j) "A Guide for Surface Coating Calculation", United States Environmental Protection Agency, Washington, D.C., EPA-340/1-86-016.

- k) "Procedures for Certifying Quantity of Volatile Organic Compounds Emitted by Paint, Ink and Other Coating", (revised June 1986), United States Environmental Protection Agency, Washington D.C., EPA-450/3-84-019.
- l) "A Guide for Graphic Arts Calculations", August 1988, United States Environmental Protection Agency, Washington D.C., EPA-340/1-88-003.
- m) "Protocol for Determining the Daily Volatile Organic Compound Emission Rate of Automobile and Light-Duty Truck Topcoat Operations", December 1988, United States Environmental Protection Agency, Washington D.C., EPA-450/3-88-018.
- n) "Control of Volatile Organic Emissions from Manufacturing of Synthesized Pharmaceutical Products", United States Environmental Protection Agency, Washington, D.C., EPA-450/2-78-029.
- o) "Control of Volatile Organic Compound Leaks from Gasoline Tank Trucks and Vapor Collection Systems", Appendix B, United States Environmental Protection Agency, Washington, D.C., EPA-450/2-78-051.
- p) "Control of Volatile Organic Compound Emissions from Large Petroleum Dry Cleaners", United States Environmental Protection Agency, Washington, D.C., EPA-450/3-82-009.
- q) "APTI Course SI417 Controlling Volatile Organic Compound Emissions from Leaking Process Equipment", United States Environmental Protection Agency, Washington, D.C., EPA-450/2-82-015.
- r) "Portable Instrument User's Manual for Monitoring VOC Sources", United States Environmental Protection Agency, Washington, D.C., EPA-340/1-86-015.
- s) "Protocols for Generating Unit-Specific Emission Estimates for Equipment Leaks of VOC and VHAP", United States Environmental Protection Agency, Washington, D.C., EPA-450/3-88-010.
- t) "Petroleum Refinery Enforcement Manual", United States Environmental Protection Agency, Washington, D.C., EPA-340/1-80-008.
- u) "Inspection Manual for Control of Volatile Organic Emissions from Gasoline Marketing Operations: Appendix D", United States Environmental Protection Agency, Washington, D.C., EPA-340/1-80-012.

- v) "Control of Hydrocarbons from Tank Truck Gasoline Loading Terminals: Appendix A", United States Environmental Protection Agency, Washington, D.C., EPA-450/2-77-026.
- w) "Technical Guidance-Stage II Vapor Recovery Systems for Control of Vehicle Refueling Emissions at Gasoline Dispensing Facilities", United States Environmental Protection Agency, Washington, D.C., EPA-450/3-91-022b.
- x) California Air Resources Board, Compliance Division. Compliance Assistance Program: Gasoline Marketing and Distribution: Gasoline Facilities Phase I & II (October 1988, rev. ~~March 1991~~ November 1993) (CARB Manual).
- y) South Coast Air Quality Management District (SCAQMD), Applied Science & Technology Division, Laboratory Services Branch, SCAQMD Method 309-91, Determination of Static Volatile Emissions.
- z) South Coast Air Quality Management District (SCAQMD), Applied Science & Technology Division, Laboratory Services Branch, SCAQMD Method 312-91, Determination of Percent Monomer in Polyester Resins.

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

#### SUBPART Y: GASOLINE DISTRIBUTION

##### Section 218.583 Gasoline Dispensing ~~Facilities~~Operations - Storage Tank Filling Operations

- a) Subject to subsection (b) below, no person shall cause or allow the transfer of gasoline from any delivery vessel into any stationary storage tank at a gasoline dispensing operation unless:
  - 1) The tank is equipped with a submerged loading pipe; and
  - 2) The vapors displaced from the storage tank during filling are processed by a vapor control system that includes one or more of the following:
    - A) A vapor collection system that meets the requirements of subsection (d)(4) below; or
    - B) A refrigeration-condensation system or any other system approved by the Agency and approved by the USEPA as a SIP revision, that recovers at least 90

percent by weight of all vaporized organic material from the equipment being controlled; and

- C) The delivery vessel displays the appropriate sticker pursuant to the requirements of Section 218.584(b) or (d) of this Part.
- 3) By March 15, 1995, all tank vent pipes shall be equipped with pressure/vacuum relief valves with the following design specifications:
- A) The pressure/vacuum relief valve shall be set to resist a pressure of at least 3.5 inches water column and to resist a vacuum of no less than 6.0 inches water column; or
- B) The pressure/vacuum relief valve shall meet the requirements of Section 218.586(c) of this Part.
- 4) For the purposes of demonstrating compliance with subsection (a)(3) above, by March 15, 1995 or 30 days after installation of each pressure/vacuum relief valve, whichever is later, and at least annually thereafter, the owner or operator of a gasoline dispensing operation shall measure and record the pressure indicated by a pressure/vacuum gauge at each tank vent pipe. The test shall be performed on each tank vent pipe within two hours of product delivery into the respective storage tank. For manifolded tank vent systems, observations at any point within the system shall be adequate. The owner or operator shall maintain any records required by this subsection for a period of three years.
- b) The requirements of subsections (a)(2) and (a)(3) above shall not apply to transfers of gasoline to a stationary storage tank at a gasoline dispensing operation if:
- 1) The tank is equipped with a floating roof, or other system of equal or better emission control approved by the Agency and approved by the USEPA as a SIP revision;
  - 2) The tank has a capacity of less than 2000 gallons and was in place and operating before January 1, 1979; or
  - 3) The tank has a capacity of less than 575 gallons.
- c) Subject to subsection (b) above, each owner of a gasoline dispensing operation shall:
- 1) Install all control systems and make all process modifications required by subsection (a) above;



- 2) Provide instructions to the operator of the gasoline dispensing operation describing necessary maintenance operations and procedures for prompt notification of the owner in case of any malfunction of a vapor control system; and
  - 3) Repair, replace or modify any worn out or malfunctioning component or element of design.
- d) Subject to subsection (b) above, each operator of a gasoline dispensing operation shall:
- 1) Maintain and operate each vapor control system in accordance with the owner's instructions;
  - 2) Promptly notify the owner of any scheduled maintenance or malfunction requiring replacement or repair of a major component of a vapor control system;
  - 3) Maintain gauges, meters or other specified testing devices in proper working order;
  - 4) Operate the vapor collection system and delivery vessel unloading points in a manner that prevents:
    - A) A reading equal to or greater than 100 percent of the lower explosive limit (LEL measured as propane) when tested in accordance with the procedure described in EPA 450/2-78-051 Appendix B incorporated by reference in Section 218.112 of this Part, and
    - B) Avoidable leaks of liquid during the filling of storage tanks; and
  - 5) Within 15 business days after discovery of the leak by the owner, operator, or the Agency, repair and retest a vapor collection system which exceeds the limits of subsection (d)(4)(A) above.
- e) Any retail gasoline dispensing operation subject to subsection (a) above, unless subject to Section 218.586 of this Part, shall be exempt from the permit requirements specified under 35 Ill. Adm. Code 201.142, 201.143, and 201.144 provided that:
- 1) The owner or operator of the gasoline dispensing operation submits to the Agency a registration which provides at a minimum the operation name and address, signature of the owner or operator, the location (including contact person's name, address and telephone number) of records and reports required by this

Section, the number of underground tanks, the number of tank pipe tank vents, and the date of completion of installation of the vapor control system and pressure/vacuum relief valve.

- 2) The registration is submitted to the Agency by March 15, 1995 or 30 days after installation of a vapor control system or pressure/vacuum relief valve, whichever is later.
- 3) The registration certification is displayed at the gasoline dispensing operation.
- 4) Upon modification of an existing vapor control system or pressure/vacuum relief valve, the owner or operator of the gasoline dispensing operation submits to the Agency a registration that details the changes to the information provided in the previous registration and which includes the signature of the owner or operator. The registration must be submitted to the Agency within 30 days of completion of such modification.

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

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

PART 219  
 ORGANIC MATERIAL EMISSION STANDARDS AND  
 LIMITATIONS FOR METRO EAST AREA

SUBPART A: GENERAL PROVISIONS

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- d) 40 CFR Part 60 (July 1, 1991).
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- f) 40 CFR Part 50 (July 1, 1991).
- g) 40 CFR Part 51 (July 1, 1991).
- h) 40 CFR Part 52 (July 1, 1991).
- i) 40 CFR Part 80 (July 1, 1991) and 40 CFR 80 Appendixes D, E, and F (July 1, 1992).
- j) "A Guide for Surface Coating Calculation", United States Environmental Protection Agency, Washington, D.C., EPA-340/1-86-016.
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- p) "Control of Volatile Organic Compound emissions from Large Petroleum Dry Cleaners", United States Environmental Protection Agency, Washington, D.C., EPA-450/3-82-009.
- q) "APTI Course SI417 Controlling Volatile Organic Compound Emissions from Leaking Process Equipment", United States Environmental Protection Agency, Washington, D.C., EPA-450/2-82-015.
- r) "Portable Instrument User's Manual for Monitoring VOM Sources", United States Environmental Protection Agency, Washington, D.C., EPA-340/1-86-015.
- s) "Protocols for Generating Unit-Specific Emission Estimates for Equipment Leaks of VOM and VHAP", United States Environmental Protection Agency, Washington, D.C., EPA-450/3-88-010.
- t) "Petroleum Refinery Enforcement Manual", United States Environmental Protection Agency, Washington, D.C., EPA-340/1-80-008.
- u) "Inspection Manual for Control of Volatile Organic Emissions from Gasoline Marketing Operations: Appendix D", United States Environmental Protection Agency, Washington, D.C., EPA-340/1-80-012.
- v) "Control of Hydrocarbons from Tank Truck Gasoline Loading Terminals: Appendix A", United States Environmental Protection Agency, Washington, D.C., EPA-450/2-77-026.

- w) "Technical Guidance-Stage II Vapor Recovery Systems for Control of Vehicle Refueling Emissions at Gasoline Dispensing Facilities", United States Environmental Protection Agency, Washington, D.C., EPA-450/3-91-022b.
- x) California Air Resources Board, Compliance Division. Compliance Assistance Program: Gasoline Marketing and Distribution: Gasoline Facilities Phase I & II (October 1988, rev. ~~March 1991~~ November 1993) (CARB Manual).

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

#### SUBPART Y: GASOLINE DISTRIBUTION

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  - 1) The tank is equipped with a submerged loading pipe; and
  - 2) The vapors displaced from the storage tank during filling are processed by a vapor control system that includes one or more of the following:
    - A) A vapor collection system that meets the requirements of subsection (d)(4) below; or
    - B) A refrigeration-condensation system or any other system approved by the Agency and approved by the USEPA as a SIP revision, that recovers at least 90 percent by weight of all vaporized organic material from the equipment being controlled; and
    - C) The delivery vessel displays the appropriate sticker pursuant to the requirements of Section 219.584(b) or (d) of this Part.
  - 3) By March 15, 1995, all tank vent pipes shall be equipped with pressure/vacuum relief valves with the following design specifications:
    - A) The pressure/vacuum relief valve shall be set to resist a pressure of at least 3.5 inches water column and to resist a vacuum of no less than 6.0 inches water column; or

- B) The pressure/vacuum relief valve shall meet the requirements of 35 Ill. Adm. Code 218.586(c).
- 4) For the purposes of demonstrating compliance with subsection (a)(3) above, by March 15, 1995 or 30 days after installation of each pressure/vacuum relief valve, whichever is later, and at least annually thereafter, the owner or operator of a gasoline dispensing operation shall measure and record the pressure indicated by a pressure/vacuum gauge at each tank vent pipe. The test shall be performed on each tank vent pipe within two hours of product delivery into the respective storage tank. For manifolded tank vent systems, observations at any point within the system shall be adequate. The owner or operator shall maintain any records required by this subsection for a period of three years.
- b) The requirements of subsections (a)(2) and (a)(3) above shall not apply to transfers of gasoline to a stationary storage tank at a gasoline dispensing facility if:
- 1) The tank is equipped with a floating roof, or other system of equal or better emission control as approved by the Agency and approved by the USEPA as a SIP revision;
  - 2) The tank has a capacity of less than 2000 gallons and was in place and operating before January 1, 1979; or
  - 3) The tank has a capacity of less than 575 gallons.
- c) Subject to subsection (b) above, each owner of a gasoline dispensing facility shall:
- 1) Install all control systems and make all process modifications required by subsection (a) above;
  - 2) Provide instructions to the operator of the gasoline dispensing facility describing necessary maintenance operations and procedures for prompt notification of the owner in case of any malfunction of a vapor control system; and
  - 3) Repair, replace or modify any worn out or malfunctioning component or element of design.
- d) Subject to subsection (b) above, each operator of a gasoline dispensing facility shall:
- 1) Maintain and operate each vapor control system in accordance with the owner's instructions;

- 2) Promptly notify the owner of any scheduled maintenance or malfunction requiring replacement or repair of a major component of a vapor control system;
  - 3) Maintain gauges, meters or other specified testing devices in proper working order;
  - 4) Operate the vapor collection system and delivery vessel unloading points in a manner that prevents:
    - A) A reading equal to or greater than 100 percent of the lower explosive limit (LEL measured as propane) when tested in accordance with the procedure described in EPA 450/2-78-051 Appendix B incorporated by reference at Section 219.112 of this Part, and
    - B) Avoidable leaks of liquid during the filling of storage tanks; and
  - 5) Within 15 business days after discovery of the leak by the owner, operator, or the Agency, repair and retest a vapor collection system which exceeds the limits of subsection (d)(4)(A) above.
- e) Any retail gasoline dispensing operation subject to subsection (a) above shall be exempt from the permit requirements specified under 35 Ill. Adm. Code 201.142, 201.143, and 201.144 provided that:
- 1) The owner or operator of the gasoline dispensing operation submits to the Agency a registration which provides at a minimum the operation name and address, signature of the owner or operator, the location (including contact person's name, address and telephone number) of records and reports required by this Section, the number of underground tanks and the number of tank pipe vents, and the date of completion of installation of the vapor control system and pressure/vacuum relief valve.
  - 2) The registration is submitted to the Agency by March 15, 1995 or 30 days after installation of a vapor control system or pressure/vacuum relief valve, whichever is later.
  - 3) The registration certificate is displayed at the gasoline dispensing operation.
  - 4) Upon modification of an existing vapor control system or pressure/vacuum relief valve, the owner or operator of the gasoline dispensing operation submits to the

Agency a registration that details the changes to the information provided in the previous registration and which includes the signature of the owner or operator. The registration must be submitted to the Agency within 30 days of completion of such modification.

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

Section 219.585 Gasoline Volatility Standards

- a) No person shall sell, offer for sale, dispense, supply, offer for supply, or transport for use in Illinois gasoline whose Reid vapor pressure exceeds the applicable limitations set forth in subsections (b) and (c) ~~of this Section below~~ during the regulatory control periods, which shall be May June 1 to September 15 for retail outlets, and wholesale purchaser-consumer facilities, and from May 1 to September 15 for all other facilities.
- b) The Reid vapor pressure of gasoline, a measure of its volatility, shall not exceed ~~9.07.2~~ 9.07.2 psi (~~62.0749.68~~ 62.0749.68 kPa) during the regulatory control period in 19905 and each year thereafter.
- c) The Reid vapor pressure of ethanol blend gasolines having at least nine percent (9%) but not more than ten percent (10%) ethyl alcohol by volume of the blended mixture, shall not exceed the limitations for gasoline set forth in subsection (b) of this Section by more than 1.0 psi (6.9 kPa). Notwithstanding this limitation, blenders of ethanol blend gasolines whose Reid vapor pressure is less than 1.0 psi above the base stock gasoline immediately after blending with ethanol are prohibited from adding butane or any product that will increase the Reid vapor pressure of the blended gasoline.
- d) All sampling of gasoline required pursuant to the provisions of this Section shall be conducted ~~by one or more of the following approved methods or~~ in accordance with the procedures contained in 40 CFR 80, Appendix D, Sampling Procedures for Fuel Volatility, which are incorporated by reference in Section ~~215.105~~ 219.112 of this Part.
- 1) ~~For manual sampling, ASTM D4057;~~
  - 2) ~~For automatic sampling, ASTM D4177;~~
  - 3) ~~Sampling procedures for Fuel Volatility, 40 CFR 80 Appendix D.~~



- e) The Reid vapor pressure of gasoline shall be measured in accordance with the procedures contained in "Tests for Determining Reid Vapor Pressure (RVP) of Gasoline and Gasoline-Oxygenate Blends" ~~either test method ASTM D323 or a modification of ASTM D323 known as the "dry method"~~ as set forth in 40 CFR 80, Appendix E, in effect July 1, 1992, incorporated by reference in 35 Ill. Adm. Code 219.112 of this Part. For gasoline - oxygenate blends which contain water-extractable oxygenates, the Reid vapor pressure shall be measured using the dry method test.
- f) The ethanol content of ethanol blend gasolines shall be determined by use of one of the approved testing methodologies specified in 40 CFR 80, Appendix F, incorporated by reference in 35 Ill. Adm. Code 219.112 of this Part.
- g) Any alternate to the sampling or testing methods or procedures contained in subsections (d), (e), and (f) of this Section must be approved by the Agency, which shall consider data comparing the performance of the proposed alternative to the performance of one or more approved test methods or procedures. Such data shall accompany any request for Agency approval of any alternate test procedure. If the Agency determines that such data demonstrates that the proposed alternative will achieve results equivalent to the approved test methods or will achieve results equivalent to the approved test methods or procedures, the Agency shall approve the proposed alternative.
- h) Recordkeeping and reporting:
- 1) Each refiner or supplier that distributes gasoline or ethanol blends shall:
    - 1A) During the regulatory control period, state that the Reid vapor pressure of all gasoline or ethanol blends leaving the refinery or distribution facility for use in Illinois complies with the Reid vapor pressure limitations set forth in 35 Ill. Adm. Code 219.585(b) and (c) of this Part. Any source receiving this gasoline shall be provided with a copy of an invoice, bill of lading, or other documentation used in normal business practice stating that the Reid vapor pressure of the gasoline complies with the State Reid vapor pressure standard.
    - 2B) Maintain records for a period of ~~one~~ three years on the Reid vapor pressure, quantity shipped and date of delivery of any gasoline or ethanol blends leaving the refinery or distribution facility for

use in Illinois. The Agency shall be provided with copies of such records if requested.

2) Records and reports required by subsections (h)(2)(A) and (h)(2)(B) below shall be made available to the Agency upon request. During the regulatory period, the owner or operator of a gasoline dispensing operation subject to this Section shall:

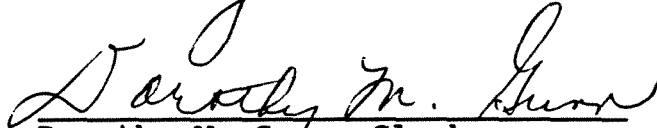
A) Retain a copy of an invoice, bill of lading, or other documentation used in normal business practice stating that the Reid vapor pressure of the gasoline complies with the State Reid vapor pressure standard as provided in subsection (h)(1)(A) above;

B) Maintain records for a period of three years on the Reid vapor pressure, quantity received and date of delivery of any gasoline or ethanol blends arriving at the gasoline operation.

(Source: Amended at 18 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

IT IS SO ORDERED.

I, Dorothy M. Gunn, Clerk of the Illinois Pollution Control Board, hereby certify that the above opinion and order was adopted on the 5<sup>th</sup> day of May, 1994, by a vote of 6-0.

  
Dorothy M. Gunn, Clerk  
Illinois Pollution Control Board