

ILLINOIS POLLUTION CONTROL BOARD  
July 19, 1990

IN THE MATTER OF: )  
 )  
LIMITS TO VOLATILITY ) R88-30(B)  
OF GASOLINE ) (Rulemaking)  
 )

PROPOSED RULE. SECOND FIRST NOTICE.

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

This matter comes before the Board upon its own petition for rulemaking. The Board initially introduced gasoline volatility rules in January of 1989. Subsequent to its proposal for First Notice, the rulemaking was split into two dockets [(A) and (B)]. While docket (A) did proceed to Final Adoption, the Board was forced to undertake an emergency rulemaking effective only for the summer of 1990 due to some late-filed language from USEPA, the acceptance of which was necessary for federal approval.

Since the Board's proposal, federal regulations have been finalized. Yet these gasoline volatility standards will not be effectuated until 1992. Accordingly, the Board is proceeding with this rulemaking to reduce the ozone levels in Illinois during the summer of 1991 and, further, to adopt those federal standards which will apply to Illinois in 1992. In this regard, the Board notes that this rulemaking will contain those suggestions urged by the federal EPA which ultimately necessitated the adoption of the emergency rule.

The Board notes that this permanent rule will seek to reduce the Reid Vapor Pressure ("RVP") standard from 9.5 lbs. per square inch ("psi") (as enacted in the emergency rule) to 9.0 psi. In this regard, the Board emphasizes that it brings this proposed rule to First Notice without the benefits of hearings on the matter and, as such, takes no position on the merits of the proposal. The Board initiates this proposal at this time to begin the rulemaking process pursuant to the Administrative Procedure Act as well as to allow the potentially affected parties sufficient time to argue substantive issues and possibly adjust to new standards.

In addition, the Board will use this opportunity to correct the typographical error contained within the definition of "Transfer Efficiency" (35 Ill. Adm. Code, Section 211.122) in RACT Rulemaking [R89-16(A)] pursuant to its Order dated July 3, 1990.

ORDER

The Board hereby proposes for First Notice the following amendments to the Illinois Administrative Code to be published in the Illinois Register.

TITLE 35: ENVIRONMENTAL PROTECTION  
SUBTITLE B: AIR POLLUTION  
CHAPTER I: POLLUTION CONTROL BOARD

SUBCHAPTER c: EMISSION STANDARDS AND LIMITATIONS FOR  
STATIONARY SOURCES

PART 211  
DEFINITIONS AND GENERAL PROVISIONS

SUBPART B: DEFINITIONS

Section  
211.121 Other Definitions  
211.122 Definitions

"Transfer Efficiency": ratio of the amount of coating solids deposited onto a part or product to the total amount of coating solids used.

PART 215  
ORGANIC MATERIAL EMISSION STANDARDS AND LIMITATIONS

SUBPART Y: GASOLINE DISTRIBUTION

Section  
215.581 Bulk Gasoline Plants  
215.582 Bulk Gasoline Terminals  
215.583 Gasoline Dispensing Facilities  
215.584 Gasoline Delivery Vessels  
215.585 Gasoline Volatility Standards

Section 215.585 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) during the regulatory control periods, which shall be ~~July 1~~ May 1 to ~~August 31~~ September 15 for retail outlets, wholesale purchaser-consumer facilities, and all other facilities.
- b) The Reid vapor pressure of gasoline, a measure of its volatility, shall not exceed ~~9.5~~ 9.0 psi (~~65.5~~ 62.1 kPa) during the regulatory control period in 1990 and each year thereafter.

- c) The Reid vapor pressure of ethanol blend gasolines shall not exceed the limitations for gasoline set forth in subsection (b) 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 procedures which are incorporated by reference in Section 215.105.
- 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 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, incorporated by reference in Section 215.105. ~~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 Section 215.105.
- g) Any alternate to the sampling or testing methods or procedures contained in subsections (d), (e), and (f) 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. Upon approval of the alternate sampling or test methods or procedures contained in subsections (d), (e), and (f), the Agency will submit the methods or

procedures to the United States Environmental Protection Agency (USEPA) as a revision to the State plan. Alternate methods or procedures become effective only upon approval of the incorporation of the alternate method or procedure in the State plan by USEPA.

- h) Each refiner or supplier that distributes gasoline or ethanol blends shall:
- 1) 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 Section 215.585(b) and (c). Any facility 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.
  - 2) Maintain records for a period of one year 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.
- i) Each retail outlet and facility operated by a wholesale purchaser-consumer shall, for a period of at least two years during the regulatory control period, maintain records regarding each delivery of gasoline, which shall include Reid vapor pressure, quantity received and date received. The Agency shall be provided with copies of such records, if requested.

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     day of                     , 1990 by a vote of                     .

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Dorothy M. Gunn, Clerk  
Illinois Pollution Control Board