

ILLINOIS POLLUTION CONTROL BOARD  
September 7, 1995

IN THE MATTER OF: )  
 )  
15% ROP PLAN: CLEAN-UP PART I- ) R96-2  
AMENDMENTS TO 35 ILL. ADM. ) (Rulemaking - Air)  
CODE 219.585(a) AND )  
219.APPENDIX E )

Proposed Rule. First Notice.

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

On September 6, 1995, 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 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 IV of the rules proposed in Illinois' 15% ROP.

The Agency proposal changes the annual compliance date for gasoline supply facilities that currently have an annual compliance date of May 1st of each year, for 7.2 pounds per square inch (psi) Reid vapor pressure (RVP) gasoline, to June 1st of each year. The Agency accomplishes this change by amending 35 Ill. Adm. Code 219.585(a).

Additionally, the Agency proposal corrects the identification number for the Clark Oil Company from 197800AAA to 119050AAA in 35 Ill. Adm. Code 219.Appendix E. Clark Oil Company is a terminal subject to the Marine Vessel Loading rules.

This proposal was filed pursuant to Section 28.5 of the Act and is accepted for hearing. (P.A. 87-1213, effective September 26, 1992; 415 ILCS 5/28.5.) Pursuant to the provisions of that section the Board is required to proceed within set time-frames toward the adoption of this regulation. The Board has no discretion to adjust these time-frames under any circumstances. Therefore, the Board acts today to send this proposal to first notice under the Illinois Administrative Procedure Act without

commenting on the merits of the proposal. The following schedule<sup>1</sup> indicates the deadlines by which the Board must act under the provisions of Section 28.5:

First Notice	on or before September 21, 1995
First Hearing	on or before October 31, 1995
Second Hearing	on or before November 30, 1995
Third Hearing	on or before December 14, 1995
Second Notice	on or before January 14, or February 3, 1996
Final Filing	21 days after receipt of JCAR certification of no objection

Additionally, the Agency has filed a Motion for Expedited Hearing. In an effort to expedite hearing, the Agency has included its testimony and exhibits along with the proposal. The Board will accommodate the Agency's request as much as possible.

ORDER

The Board directs the Clerk to cause the filing of the following proposal for First Notice in the Illinois Register:

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<sup>1</sup> This schedule includes a second and third hearing which may be cancelled if unnecessary. Hearings will be continued from day to day as necessary to complete the subject matter established by statute for each set of hearings.

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

Section	
219.100	Introduction
219.101	Savings Clause
219.102	Abbreviations and Conversion Factors
219.103	Applicability
219.104	Definitions
219.105	Test Methods and Procedures
219.106	Compliance Dates
219.107	Operation of Afterburners
219.108	Exemptions, Variations, and Alternative Means of Control or Compliance Determinations
219.109	Vapor Pressure of Volatile Organic Liquids
219.110	Vapor Pressure of Organic Material or Solvents
219.111	Vapor Pressure of Volatile Organic Material
219.112	Incorporations by Reference
219.113	Monitoring for Negligibly-Reactive Compounds

SUBPART B: ORGANIC EMISSIONS FROM STORAGE  
 AND LOADING OPERATIONS

Section	
219.119	Applicability for VOL
219.120	Control Requirements for Storage Containers of VOL
219.121	Storage Containers of VPL
219.122	Loading Operations
219.123	Petroleum Liquid Storage Tanks
219.124	External Floating Roofs
219.125	Compliance Dates
219.126	Compliance Plan (Repealed)
219.127	Testing VOL Operations
219.128	Monitoring VOL Operations
219.129	Recordkeeping and Reporting for VOL Operations

SUBPART C: ORGANIC EMISSIONS FROM  
 MISCELLANEOUS EQUIPMENT

Section	
219.141	Separation Operations
219.142	Pumps and Compressors
219.143	Vapor Blowdown

## 219.144 Safety Relief Valves

## SUBPART E: SOLVENT CLEANING

## Section

- 219.181 Solvent Cleaning in General
- 219.182 Cold Cleaning
- 219.183 Open Top Vapor Degreasing
- 219.184 Conveyorized Degreasing
- 219.185 Compliance Schedule (Repealed)
- 219.186 Test Methods

## SUBPART F: COATING OPERATIONS

## Section

- 219.204 Emission Limitations
- 219.205 Daily-Weighted Average Limitations
- 219.206 Solids Basis Calculation
- 219.207 Alternative Emission Limitations
- 219.208 Exemptions From Emission Limitations
- 219.209 Exemption From General Rule on Use of Organic Material
- 219.210 Compliance Schedule
- 219.211 Recordkeeping and Reporting
- 219.212 Cross-Line Averaging to Establish Compliance for Coating Lines
- 219.213 Recordkeeping and Reporting for Cross-Line Averaging Participating Coating Lines
- 219.214 Changing Compliance Methods

## SUBPART G: USE OF ORGANIC MATERIAL

## Section

- 219.301 Use of Organic Material
- 219.302 Alternative Standard
- 219.303 Fuel Combustion Emission Units
- 219.304 Operations with Compliance Program

## SUBPART H: PRINTING AND PUBLISHING

## Section

- 219.401 Flexographic and Rotogravure Printing
- 219.402 Applicability
- 219.403 Compliance Schedule
- 219.404 Recordkeeping and Reporting
- 219.405 Lithographic Printing: Applicability
- 219.406 Provisions Applying to Heatset Web Offset Lithographic Printing Prior to March 15, 1996
- 219.407 Emission Limitations and Control Requirements for Lithographic Printing Lines On and After March 15, 1996
- 219.408 Compliance Schedule for Lithographic Printing on and After March 15, 1996

- 219.409 Testing for Lithographic Printing On and After March 15, 1996
- 219.410 Monitoring Requirements for Lithographic Printing
- 219.411 Recordkeeping and Reporting for Lithographic Printing

SUBPART Q: SYNTHETIC ORGANIC CHEMICAL AND POLYMER  
MANUFACTURING PLANT

Section

- 219.421 General Requirements
- 219.422 Inspection Program Plan for Leaks
- 219.423 Inspection Program for Leaks
- 219.424 Repairing Leaks
- 219.425 Recordkeeping for Leaks
- 219.426 Report for Leaks
- 219.427 Alternative Program for Leaks
- 219.428 Open-Ended Valves
- 219.429 Standards for Control Devices
- 219.430 Compliance Date (Repealed)
- 219.431 Applicability
- 219.432 Control Requirements
- 219.433 Performance and Testing Requirements
- 219.434 Monitoring Requirements
- 219.435 Recordkeeping and Reporting Requirements
- 219.436 Compliance Date

SUBPART R: PETROLEUM REFINING AND RELATED  
INDUSTRIES; ASPHALT MATERIALS

Section

- 219.441 Petroleum Refinery Waste Gas Disposal
- 219.442 Vacuum Producing Systems
- 219.443 Wastewater (Oil/Water) Separator
- 219.444 Process Unit Turnarounds
- 219.445 Leaks: General Requirements
- 219.446 Monitoring Program Plan for Leaks
- 219.447 Monitoring Program for Leaks
- 219.448 Recordkeeping for Leaks
- 219.449 Reporting for Leaks
- 219.450 Alternative Program for Leaks
- 219.451 Sealing Device Requirements
- 219.452 Compliance Schedule for Leaks
- 219.453 Compliance Dates (Repealed)

SUBPART S: RUBBER AND MISCELLANEOUS  
PLASTIC PRODUCTS

Section

- 219.461 Manufacture of Pneumatic Rubber Tires
- 219.462 Green Tire Spraying Operations
- 219.463 Alternative Emission Reduction Systems
- 219.464 Emission Testing

- 219.465 Compliance Dates (Repealed)
- 219.466 Compliance Plan (Repealed)

SUBPART T: PHARMACEUTICAL MANUFACTURING

- Section
- 219.480 Applicability
- 219.481 Control of Reactors, Distillation Units, Crystallizers, Centrifuges and Vacuum Dryers
- 219.482 Control of Air Dryers, Production Equipment Exhaust Systems and Filters
- 219.483 Material Storage and Transfer
- 219.484 In-Process Tanks
- 219.485 Leaks
- 219.486 Other Emission Units
- 219.487 Testing
- 219.488 Monitoring for Air Pollution Control Equipment
- 219.489 Recordkeeping for Air Pollution Control Equipment

SUBPART V: BATCH OPERATIONS AND AIR OXIDATION PROCESSES

- Section
- 219.500 Applicability for Batch Operations
- 219.501 Control Requirements for Batch Operations
- 219.502 Determination of Uncontrolled Total Annual Mass Emissions and Actual Weighted Average Flow Rate Values for Batch Operations
- 219.503 Performance and Testing Requirements for Batch Operations
- 219.504 Monitoring Requirements for Batch Operations
- 219.505 Reporting and Recordkeeping for Batch Operations
- 219.506 Compliance Date
- 219.520 Emission Limitations for Air Oxidation Processes
- 219.521 Definitions (Repealed)
- 219.522 Savings Clause
- 219.523 Compliance
- 219.524 Determination of Applicability
- 219.525 Emission Limitations for Air Oxidation Processes (Renumbered)
- 219.526 Testing and Monitoring
- 219.527 Compliance Date (Repealed)

SUBPART W: AGRICULTURE

- Section
- 219.541 Pesticide Exception

SUBPART X: CONSTRUCTION

- Section
- 219.561 Architectural Coatings
- 219.562 Paving Operations

219.563 Cutback Asphalt

SUBPART Y: GASOLINE DISTRIBUTION

Section

219.581 Bulk Gasoline Plants  
219.582 Bulk Gasoline Terminals  
219.583 Gasoline Dispensing Operations - Storage Tank Filling  
Operations  
219.584 Gasoline Delivery Vessels  
219.585 Gasoline Volatility Standards  
219.586 Gasoline Dispensing Operations - Motor Vehicle Fueling  
Operations (Repealed)

SUBPART Z: DRY CLEANERS

Section

219.601 Perchloroethylene Dry Cleaners  
219.602 Exemptions  
219.603 Leaks  
219.604 Compliance Dates (Repealed)  
219.605 Compliance Plan (Repealed)  
219.606 Exception to Compliance Plan (Repealed)  
219.607 Standards for Petroleum Solvent Dry Cleaners  
219.608 Operating Practices for Petroleum Solvent Dry Cleaners  
219.609 Program for Inspection and Repair of Leaks  
219.610 Testing and Monitoring  
219.611 Exemption for Petroleum Solvent Dry Cleaners  
219.612 Compliance Dates (Repealed)  
219.613 Compliance Plan (Repealed)

SUBPART AA: PAINT AND INK MANUFACTURING

Section

219.620 Applicability  
219.621 Exemption for Waterbase Material and Heatset-Offset Ink  
219.622 Permit Conditions  
219.624 Open-Top Mills, Tanks, Vats or Vessels  
219.625 Grinding Mills  
219.626 Storage Tanks  
219.628 Leaks  
219.630 Clean Up  
219.636 Compliance Schedule  
219.637 Recordkeeping and Reporting

SUBPART BB: POLYSTYRENE PLANTS

Section

219.640 Applicability  
219.642 Emissions Limitation at Polystyrene Plants  
219.644 Emissions Testing

## SUBPART FF: BAKERY OVENS

Section  
 219.720 Applicability  
 219.722 Control Requirements  
 219.726 Testing  
 219.727 Monitoring  
 219.728 Recordkeeping and Reporting  
 219.729 Compliance Date  
 219.730 Certification

## SUBPART GG: MARINE TERMINALS

Section  
 219.760 Applicability  
 219.762 Control Requirements  
 219.764 Compliance Certification  
 219.766 Leaks  
 219.768 Testing and Monitoring  
 219.770 Recordkeeping and Reporting

## SUBPART HH: MOTOR VEHICLE REFINISHING

Section  
 219.780 Emission Limitations  
 219.782 Alternative Control Requirements  
 219.784 Equipment Specifications  
 219.786 Surface Preparation Materials  
 219.787 Work Practices  
 219.788 Testing  
 219.789 Monitoring and Recordkeeping for Control Devices  
 219.790 General Recordkeeping and Reporting  
 219.791 Compliance Date  
 219.792 Registration  
 219.875 Applicability of Subpart BB (Renumbered)  
 219.877 Emissions Limitation at Polystyrene Plants (Renumbered)  
 219.879 Compliance Date (Repealed)  
 219.881 Compliance Plan (Repealed)  
 219.883 Special Requirements for Compliance Plan (Repealed)  
 219.886 Emissions Testing (Renumbered)

SUBPART PP: MISCELLANEOUS FABRICATED  
PRODUCT MANUFACTURING PROCESSES

Section  
 219.920 Applicability  
 219.923 Permit Conditions  
 219.926 Control Requirements  
 219.927 Compliance Schedule  
 219.928 Testing

## SUBPART QQ: MISCELLANEOUS FORMULATION



## MANUFACTURING PROCESSES

Section  
 219.940 Applicability  
 219.943 Permit Conditions  
 219.946 Control Requirements  
 219.947 Compliance Schedule  
 219.948 Testing

SUBPART RR: MISCELLANEOUS ORGANIC CHEMICAL  
 MANUFACTURING PROCESSES

Section  
 219.960 Applicability  
 219.963 Permit Conditions  
 219.966 Control Requirements  
 219.967 Compliance Schedule  
 219.968 Testing

SUBPART TT: OTHER EMISSION UNITS

Section  
 219.980 Applicability  
 219.983 Permit Conditions  
 219.986 Control Requirements  
 219.987 Compliance Schedule  
 219.988 Testing

SUBPART UU: RECORDKEEPING AND REPORTING

Section  
 219.990 Exempt Emission Units  
 219.991 Subject Emission Units

Section 219.Appendix A: List of Chemicals Defining Synthetic  
 Organic Chemical and Polymer  
 Manufacturing  
 Section 219.Appendix B: VOM Measurement Techniques for Capture  
 Efficiency  
 Section 219.Appendix C: Reference Methods And Procedures  
 Section 219.Appendix D: Coefficients for the Total Resource  
 Effectiveness Index (TRE) Equation  
 Section 219.Appendix E: List of Affected Marine Terminals  
 Section 219.Appendix G: TRE Index Measurements for SOCOMI  
 Reactors and Distillation Units  
 Section 219.Appendix H: Baseline VOM Content Limitations for  
 Subpart F, Section 219.212 Cross-Line  
 Averaging

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

SOURCE: Adopted at R91-8 at 15 Ill. Reg. 12491, effective August 16, 1991; amended in R91-24 at 16 Ill. Reg. 13597, effective August 24, 1992; amended in R91-30 at 16 Ill. Reg. 13883, effective August 24, 1992; emergency amendment in R93-12 at 17 Ill. Reg. 8295, effective May 24, 1993, for a maximum of 150 days, amended in R93-9 at 17 Ill. Reg. 16918, effective September 27, 1993 and October 21, 1993; amended in R93-28 at 18 Ill. Reg. 4242, effective March 3, 1994; amended in R94-12 at 18 Ill. Reg. 14987, effective September 21, 1994; amended in R94-15 at 18 Ill. Reg. 16415, effective October 25, 1994; amended in R94-16 at 18 Ill. Reg. 16980, effective November 15, 1994; emergency amendment in R95-10 at 19 Ill. Reg. 3059, effective February 28, 1995, for a maximum of 150 days; amended in R94-21, R94-31 and R94-32 at 19 Ill. Reg. 6958, effective May 9, 1995; amended in R94-33 at 19 Ill. Reg. 7385, effective May 22, 1995; amended in R96-2 at 19 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_.

BOARD NOTE: This Part implements the Illinois Environmental Protection Act as of July 1, 1994.

#### SUBPART Y: GASOLINE DISTRIBUTION

##### 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) below during the regulatory control periods, which shall be 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 7.2 psi (49.68 kPa) during the regulatory control period in 1995 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 in accordance with the procedures contained in 40 CFR Part 80, Appendix D, Sampling Procedures for Fuel Volatility, which are incorporated by reference in Section 219.112 of this Part.
- 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" as set forth in 40 CFR 80, Appendix E, incorporated by reference in 35 Ill. Adm. Code 219.112 of this Part.
- f) The ethanol content of ethanol blend gasolines shall be determined by use of one of the approved testing methodologies specified in 40 CFR Part 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:
    - A) 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.

- B) Maintain records for a period of 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 control 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; and
- 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: Emergency Amendment at 19 Ill. Reg. 3059, effective February 28, 1995, for a maximum of 150 days; amended at 19 Ill. Reg. \_\_\_\_\_ effective \_\_\_\_\_)

#### Section 219. Appendix E: List of Affected Marine Terminals

The following table identifies the expected volatile organic material (VOM) emission reductions, in pounds per day in 1996, from the control of the marine vessel loading of gasoline and crude oil from the listed sources, their successors, and assigns. Such reduction of VOM emissions must occur after November 1990 and may not include reductions resulting from compliance with any federally required controls or from any measures included in any State Implementation Plan adopted by the State of Illinois to satisfy any other Clean Air Act requirement.

Facility	Permit#	Reduction
Phillips Pipeline Co. Facility ID # 163020AAB	73040515014	10
Clark Oil and Refining Corp. Facility ID # <del>197800AAA</del> <u>119050AAA</u>	72110678053	468

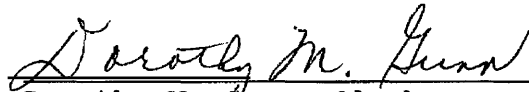
Marathon Pipe Line Co. Facility ID # 119050AAF	73021451001	2,417
Conoco Pipe Line Co. Facility ID # 119050AAK	73031095011	2,759
Shell Oil Co. Facility ID # 119090AAA	87120058128	7,554
Amoco Distribution Center Facility ID # 119115AAY	73020080007	10,443

(Source: Amended at 19 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_  
\_\_\_\_\_)

IT IS SO ORDERED.

Board Member J. Theodore Meyer dissented.

I, Dorothy M. Gunn, Clerk of the Illinois Pollution Control Board, hereby certify that the above order was adopted on the 7<sup>th</sup> day of September, 1995, by a vote of 6-1.

  
\_\_\_\_\_  
Dorothy M. Gunn, Clerk  
Illinois Pollution Control Board