

OFFICE OF THE SECRETARY OF STATE

JESSE WHITE • Secretary of State

9/3/2008

POLLUTION CONTROL BOARD

JAMES R THOMPSON CENTER 100 W RANDOLPH ST STE 11-500

JOHN THERRIAULT ASSISTANT CLERK

CHICAGO, IL 60601

Dear JOHN THERRIAULT ASSISTANT CLERK

Your rules Listed below met our codification standards and have been published in Volume 32, Issue 37 of the Illinois Register, dated 9/12/2008.

ADOPTED RULES

Organic Material Emission Standards and Limitations for the Chicago Area 35 III. Adm. Code 218 Point Of Contact:Nancy Miller

Page 14874

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

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

- 1) Heading of the Part: Organic Material Emission Standards and Limitations for the Chicago Area
- 2) Code Citation: 35 Ill. Adm. Code 218
- 3) <u>Section Numbers</u>: <u>Adopted Action</u>: 218.480 <u>Amend</u>
- 4) <u>Statutory Authority</u>: Implementing Section 10 and authorized by Sections 27 and 28 of the Environmental Protection Act [415 ILCS 5/10, 27 and 28].
- 5) Effective Date of Amendments: All 6 2 6 2008
- 6) Does this rulemaking contain an automatic repeal date? No
- 7) Do these amendments contain incorporations by reference? No
- 8) The adopted amendments, on file in the Board's Chicago office at the James R. Thompson Center, 100 W. Randolph, Suite 11-500 and are available for public inspection.
- 9) Notice of Proposal Published in Illinois Register:

October 26, 2007; 31 Ill. Reg. 14581

- 10) Has JCAR issued a Statement of Objections to these amendments? No
- Differences between proposal and final version:

 The Board made changes to the text as it was published in the *Illinois Register* only to reflect the text that the Board filed with the Secretary of State's Index department for first notice.
- Have all the changes agreed upon by the agency and JCAR been made as indicated in the agreements letter issued by JCAR? Yes
- 13) Will these amendments replace emergency amendments currently in effect? No
- 14) Are there any amendments pending on this Part? No
- 15) Summary and Purpose of Amendments:

RECEIVED

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

For a more detailed discussion of these amendments, see the Board's August 21, 2008 opinion and order in docket R08-8: Abbott Laboratories' Proposed Site Specific Amendment to Applicability Section of Organic Material Emission Standards and Limitations for the Chicago Area; Subpart T: Pharmaceutical Manufacturing (35 Ill. Adm. Code 218.480(b)) (R08-8). Abbott Laboratories proposed site-specific amendments for its pharmaceutical manufacturing facility located in Libertyville Township, Lake County. 35 Ill. Adm. Code 218.480(b) contains certain exemptions that are only applicable to Abbott's air suspension coater/dryer, fluid bed dryers, tunnel dryers, and Accelacotas. The adopted amendment allows Abbott to "cap" and lower the overall emissions allowable from its tunnel dryers numbered #1, #2, #3 and #4, and fluid bed dryers numbered #1, #2 and #3, and to calculate the amount of exempted emissions from the dryers based on the actual combined emissions from the dryers. The Illinois Environmental Protection Agency and the United States Environmental Protection Agency supported the rule. The Board found that the proposed amendment will reduce the overall allowable emissions from these units while increasing Abbott's operational flexibility, by allowing Abbott to make preferential use of the more efficient fluid bed dryers.

16) <u>Information and questions regarding these adopted amendments shall be directed to:</u>

Kathleen Crowley Illinois Pollution Control Board 100 W. Randolph 11-500 Chicago, IL 60601 312-814-6929

Copies of the Board's opinions and orders may be requested from the Clerk of the Board at the address listed in #8 above or by calling 312/814-3620. Please refer to the Docket number R08-08 in your request. The Board order is also available from the Board's Web site (www.ipcb.state.il.us)

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

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

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

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

SUBPART A: GENERAL PROVISIONS

Section	
218.100	Introduction
218.101	Savings Clause
218.102	Abbreviations and Conversion Factors
218.103	Applicability
218.104	Definitions
218.105	Test Methods and Procedures
218.106	Compliance Dates
218.107	Operation of Afterburners
218.108	Exemptions, Variations, and Alternative Means of Control or Compliance
	Determinations
218.109	Vapor Pressure of Volatile Organic Liquids
218.110	Vapor Pressure of Organic Material or Solvent
218.111	Vapor Pressure of Volatile Organic Material
218.112	Incorporations by Reference
218.113	Monitoring for Negligibly-Reactive Compounds
218.114	Compliance with Permit Conditions
	SUBPART B: ORGANIC EMISSIONS FROM STORAGE AND
	LOADING OPERATIONS
Section	
218.119	Applicability for VOL
218.120	Control Requirements for Storage Containers of VOL
218.121	Storage Containers of VPL
218.122	Loading Operations
218.123	Petroleum Liquid Storage Tanks
218.124	External Floating Roofs
218.125	Compliance Dates

POLLUTION CONTROL BOARD

218.126 218.127	Compliance Plan (Repealed) Testing VOL Operations
218.128	Monitoring VOL Operations
218.129	Recordkeeping and Reporting for VOL Operations
	SUBPART C: ORGANIC EMISSIONS FROM MISCELLANEOUS EQUIPMENT
Section	EQUITMENT
218.141	Separation Operations
218.142	Pumps and Compressors
218.143	Vapor Blowdown
218.144	Safety Relief Valves
	SUBPART E: SOLVENT CLEANING
Section	SOBITACI E. SOBVEICI CEEDIUCIICO
218.181	Solvent Cleaning in General
218.182	Cold Cleaning
218.183	Open Top Vapor Degreasing
218.184	Conveyorized Degreasing
218.185	Compliance Schedule (Repealed)
218.186	Test Methods
	SUBPART F: COATING OPERATIONS
Section	
218.204	Emission Limitations
218.205	Daily-Weighted Average Limitations
218.206	Solids Basis Calculation
218.207	Alternative Emission Limitations
218.208	Exemptions from Emission Limitations
218.209	Exemption from General Rule on Use of Organic Material
218.210	Compliance Schedule
218.211	Recordkeeping and Reporting
218.212	Cross-Line Averaging to Establish Compliance for Coating Lines
218.213	Recordkeeping and Reporting for Cross-Line Averaging Participating Coating Lines
218.214	Changing Compliance Methods
218.215	Wood Furniture Coating Averaging Approach
218.216	Wood Furniture Coating Add-On Control Use
218.217	Wood Furniture Coating Work Practice Standards

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

SUBPART G: USE OF ORGANIC MATERIAL

	SOBTING G. OSE OF ORGANIC WITHERE
Section	
218.301	Use of Organic Material
218.302	Alternative Standard
218.303	Fuel Combustion Emission Units
218.304	Operations with Compliance Program
	SUBPART H: PRINTING AND PUBLISHING
Section	
218.401	Flexographic and Rotogravure Printing
218.402	Applicability
218.403	Compliance Schedule
218.404	Recordkeeping and Reporting
218.405	Lithographic Printing: Applicability
218.406	Provisions Applying to Heatset Web Offset Lithographic Printing Prior to March 15, 1996
218.407	Emission Limitations and Control Requirements for Lithographic Printing Lines On and After March 15, 1996
218.408	Compliance Schedule for Lithographic Printing On and After March 15, 1996
218.409	Testing for Lithographic Printing On and After March 15, 1996
218.410	Monitoring Requirements for Lithographic Printing
218.411	Recordkeeping and Reporting for Lithographic Printing
	SUBPART Q: SYNTHETIC ORGANIC CHEMICAL AND POLYMER
	MANUFACTURING PLANT
Section	
218.421	General Requirements
218.422	Inspection Program Plan for Leaks
218.423	Inspection Program for Leaks
218.424	Repairing Leaks
218.425	Recordkeeping for Leaks
218.426	Report for Leaks
218.427	Alternative Program for Leaks
218.428	Open-Ended Valves
218.429	Standards for Control Devices
218.430	Compliance Date (Repealed)
218.431	Applicability
218.432	Control Requirements
218.433	Performance and Testing Requirements
218.434	Monitoring Requirements

POLLUTION CONTROL BOARD

218.435	Recordkeeping and Reporting Requirements
218.436	Compliance Date
	SUBPART R: PETROLEUM REFINING AND RELATED
α .:	INDUSTRIES; ASPHALT MATERIALS
Section	
218.441	Petroleum Refinery Waste Gas Disposal
218.442	Vacuum Producing Systems
218.443	Wastewater (Oil/Water) Separator
218.444	Process Unit Turnarounds
218.445	Leaks: General Requirements
218.446	Monitoring Program Plan for Leaks
218.447	Monitoring Program for Leaks
218.448	Recordkeeping for Leaks
218.449	Reporting for Leaks
218.450	Alternative Program for Leaks
218.451	Sealing Device Requirements
218.452	Compliance Schedule for Leaks
218.453	Compliance Dates (Repealed)
	SUBPART S: RUBBER AND MISCELLANEOUS PLASTIC
	PRODUCTS
Section	1 RODUCTS
218.461	Manufacture of Pneumatic Rubber Tires
218.462	Green Tire Spraying Operations
218.463	Alternative Emission Reduction Systems
218.464	Emission Testing
218.465	Compliance Dates (Repealed)
218.466	Compliance Plan (Repealed)
210.400	Compliance Flair (Repealed)
	SUBPART T: PHARMACEUTICAL MANUFACTURING
Section	
218.480	Applicability
218.481	Control of Reactors, Distillation Units, Crystallizers, Centrifuges and Vacuum
	Dryers
218.482	Control of Air Dryers, Production Equipment Exhaust Systems and Filters
218.483	Material Storage and Transfer
218.484	In-Process Tanks
218.485	Leaks
218.486	Other Emission Units
	Cinci Zimoron Cinc

POLLUTION CONTROL BOARD

218.487	Testing
218.488	Monitoring for Air Pollution Control Equipment
218.489	Recordkeeping for Air Pollution Control Equipment
	SUBPART V: BATCH OPERATIONS AND AIR OXIDATION
	PROCESSES
Section	
218.500	Applicability for Batch Operations
218.501	Control Requirements for Batch Operations
218.502	Determination of Uncontrolled Total Annual Mass Emissions and Average Flow
	Rate Values for Batch Operations
218.503	Performance and Testing Requirements for Batch Operations
218.504	Monitoring Requirements for Batch Operations
218.505	Reporting and Recordkeeping for Batch Operations
218.506	Compliance Date
218.520	Emission Limitations for Air Oxidation Processes
218.521	Definitions (Repealed)
218.522	Savings Clause
218.523	Compliance
218.524	Determination of Applicability
218.525	Emission Limitations for Air Oxidation Processes
218.526	Testing and Monitoring
218.527	Compliance Date (Repealed)
	SUBPART W: AGRICULTURE
Section	
218.541	Pesticide Exception
	SUBPART X: CONSTRUCTION
Section	
218.561	Architectural Coatings
218.562	Paving Operations
218.563	Cutback Asphalt
	SUBPART Y: GASOLINE DISTRIBUTION
Section	
218.581	Bulk Gasoline Plants
218.582	Bulk Gasoline Terminals
218.583	Gasoline Dispensing Operations - Storage Tank Filling Operations
218.584	Gasoline Delivery Vessels

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

218.585	Gasoline Volatility Standards
218.586	Gasoline Dispensing Operations - Motor Vehicle Fueling Operations
	SUBPART Z: DRY CLEANERS
Section	
218.601	Perchloroethylene Dry Cleaners (Repealed)
218.602	Applicability (Repealed)
218.603	Leaks (Repealed)
218.604	Compliance Dates (Repealed)
218.605	Compliance Plan (Repealed)
218.606	Exception to Compliance Plan (Repealed)
218.607	Standards for Petroleum Solvent Dry Cleaners
218.608	Operating Practices for Petroleum Solvent Dry Cleaners
218.609	Program for Inspection and Repair of Leaks
218.610	Testing and Monitoring
218.611	Applicability for Petroleum Solvent Dry Cleaners
218.612	Compliance Dates (Repealed)
218.613	Compliance Plan (Repealed)
	SUBPART AA: PAINT AND INK MANUFACTURING
Section	
218.620	Applicability
218.621	Exemption for Waterbase Material and Heatset Offset Ink
218.623	Permit Conditions (Repealed)
218.624	Open Top Mills, Tanks, Vats or Vessels
218.625	Grinding Mills
218.626	Storage Tanks
218.628	Leaks
218.630	Clean Up
218.636	Compliance Schedule
218.637	Recordkeeping and Reporting
	SUBPART BB: POLYSTYRENE PLANTS
Section	
218.640	Applicability
218.642	Emissions Limitation at Polystyrene Plants
218.644	Emissions Testing
	·

SUBPART CC: POLYESTER RESIN PRODUCT MANUFACTURING PROCESS

POLLUTION CONTROL BOARD

Section	
218.660	Applicability
218.666	Control Requirements
218.667	Compliance Schedule
218.668	Testing
218.670	Recordkeeping and Reporting for Exempt Emission Units
218.672	Recordkeeping and Reporting for Subject Emission Units
	SUBPART DD: AEROSOL CAN FILLING
Section	
218.680	Applicability
218.686	Control Requirements
218.688	Testing
218.690	Recordkeeping and Reporting for Exempt Emission Units
218.692	Recordkeeping and Reporting for Subject Emission Units
	SUBPART FF: BAKERY OVENS (REPEALED)
Section	
218.720	Applicability (Repealed)
218.722	Control Requirements (Repealed)
218.726	Testing (Repealed)
218.727	Monitoring (Repealed)
218.728	Recordkeeping and Reporting (Repealed)
218.729	Compliance Date (Repealed)
218.730	Certification (Repealed)
	SUBPART GG: MARINE TERMINALS
Section	
218.760	Applicability
218.762	Control Requirements
218.764	Compliance Certification
218.766	Leaks
218.768	Testing and Monitoring
218.770	Recordkeeping and Reporting
	SUBPART HH: MOTOR VEHICLE REFINISHING
Section	
218.780	Emission Limitations
218.782	Alternative Control Requirements
218.784	Equipment Specifications

POLLUTION CONTROL BOARD

218.786	Surface Preparation Materials
218.787	Work Practices
218.788	Testing
218.789	Monitoring and Recordkeeping for Control Devices
218.790	General Recordkeeping and Reporting (Repealed)
218.791	Compliance Date
218.792	Registration
218.875	Applicability of Subpart BB (Renumbered)
218.877	Emissions Limitation at Polystyrene Plants (Renumbered)
218.879	Compliance Date (Repealed)
218.881	Compliance Plan (Repealed)
218.883	Special Requirements for Compliance Plan (Repealed)
218.886	Emissions Testing (Renumbered)
	SUBPART PP: MISCELLANEOUS FABRICATED PRODUCT
	MANUFACTURING PROCESSES
Section	
218.920	Applicability
218.923	Permit Conditions (Repealed)
218.926	Control Requirements
218.927	Compliance Schedule
218.928	Testing
218.929	Cementable and Dress or Performance Shoe Leather
	SUBPART QQ: MISCELLANEOUS FORMULATION
_	MANUFACTURING PROCESSES
Section	
218.940	Applicability
218.943	Permit Conditions (Repealed)
218.946	Control Requirements
218.947	Compliance Schedule
218.948	Testing
	SUBPART RR: MISCELLANEOUS ORGANIC CHEMICAL
a .:	MANUFACTURING PROCESSES
Section	A 12 1 110
218.960	Applicability
218.963	Permit Conditions (Repealed)
218.966	Control Requirements
218.967	Compliance Schedule

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

218.968	Testing	
	SU	JBPART TT: OTHER EMISSION UNITS
Section		
218.980	Applicability	
218.983	Permit Condi	tions (Repealed)
218.986	Control Requ	irements
218.987	Compliance S	Schedule
218.988	Testing	
	SUBPART U	JU: RECORDKEEPING AND REPORTING
Section		
218.990	.990 Exempt Emission Units	
218.991	Subject Emiss	
218.APPEND	OIX A:	List of Chemicals Defining Synthetic Organic Chemical and Polymer Manufacturing
218.APPEND	IX B:	VOM Measurement Techniques for Capture Efficiency (Repealed)
218.APPENDIX C:		Reference Methods and Procedures
218.APPEND	IX D:	Coefficients for the Total Resource Effectiveness Index (TRE)
		Equation
218.APPEND	IX E:	List of Affected Marine Terminals
218.APPEND	IX G:	TRE Index Measurements for SOCMI Reactors and Distillation
		Units
218.APPEND	IX H:	Baseline VOM Content Limitations for Subpart F, Section 218.212 Cross-Line Averaging

AUTHORITY: Implementing Section 10 and authorized by Sections 27, 28, 28.5 of the Environmental Protection Act [415 ILCS 5/10 and 28.5].

SOURCE: Adopted at R91-7 at 15 Ill. Reg. 12231, effective August 16, 1991; amended in R91-24 at 16 Ill. Reg. 13564, effective August 24, 1992; amended in R91-28 and R91-30 at 16 Ill. Reg. 13864, effective August 24, 1992; amended in R93-9 at 17 Ill. Reg. 16636, effective September 27, 1993; amended in R93-14 at 18 Ill. Reg. at 1945, effective January 24, 1994; amended in R94-12 at 18 Ill. Reg. 14973, effective September 21, 1994; amended in R94-15 at 18 Ill. Reg. 16392, effective October 25, 1994; amended in R94-16 at 18 Ill. Reg. 16950, effective November 15, 1994; amended in R94-21, R94-31 and R94-32 at 19 Ill. Reg. 6848, effective May 9, 1995; amended in R94-33 at 19 Ill. Reg. 7359, effective May 22, 1995; amended in R96-13 at 20 Ill. Reg. 14428, effective October 17, 1996; amended in R97-24 at 21 Ill. Reg. 7708, effective June 9, 1997; amended in R97-31 at 22 Ill. Reg. 3556, effective

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

February 2, 1998; amended in R98-16 at 22 Ill. Reg. 14282, effective July 16, 1998; amended in
R02-20 at 27 Ill. Reg. 7283, effective April 8, 2003; amended in R04-12/20 at 30 Ill. Reg. 9684
effective May 15, 2006; amended in R06-21 at 31 Ill. Reg. 7086, effective April 30, 2007;
amended in R08-8 at 32 III. Reg, effective

SUBPART T: PHARMACEUTICAL MANUFACTURING

Section 218.480 Applicability

- a) The rules of this Subpart, except for Sections 218.483 through 218.485 of this Part, apply to all emission units of VOM, including but not limited to reactors, distillation units, dryers, storage tanks for VOL, equipment for the transfer of VOL, filters, crystallizers, washers, laboratory hoods, pharmaceutical coating operations, mixing operations and centrifuges used in manufacturing, including packaging, of pharmaceuticals, and emitting more than 6.8 kg/day (15 lbs/day) and more than 2,268 kg/year (2.5 tons/year) of VOM. If such an emission unit emits less than 2,268 kg/year (2.5 tons/year) of VOM, the requirements of this Subpart still apply to the emission unit if VOM emissions from the emission unit exceed 45.4 kg/day (100 lbs/day).
- b) Notwithstanding subsection (a) of this Section, the air suspension coater/dryer, fluid bed dryers, tunnel dryers, and Accelacotas located in Libertyville Township, Lake County, Illinois shall be exempt from the rules of this Subpart, except for Sections 218.483 through 218.485, if emissions of VOM not vented to air pollution control equipment do not exceed the following levels:
 - 1) For the air suspension coater/dryer: 2,268 kg/year (2.5 tons/year);
 - 2) Except as set forth in subsection 218.480(b)(4) of this Section, for For each fluid bed dryer: 4,535 kg/year (5.0 tons/year);
 - 3) Except as set forth in subsection 218.480(b)(4) of this Section, for For each tunnel dryer: 6,803 kg/year (7.5 tons/year); and
 - For fluid bed dryers #1, #2, and #3 and for tunnel dryers #1, #2, #3, and #4, the combined total annual emissions from the dryers listed in this subsection 218.480(b)(4) shall not exceed 18,688 kg/year (20.6 tons/year). [BOARD NOTE: tunnel dryers are otherwise referred to as warm air dryers]; and

POLLUTION CONTROL BOARD

- 4<u>5</u>) For each Accelacota: 6,803 kg/year (7.5 tons/year).
- c) Sections 218.483 through 218.485 of this Part apply to a source having one or more emission units that:
 - 1) Are used to manufacture pharmaceuticals, and
 - Emit more than 6.8 kg/day (15 lbs/day) of VOM and more than 2,268 kg/year (2.5 tons/year) of VOM, or, if less than 2,268 kg/year (2.5 tons/year), these Sections still apply if emissions from one or more sources exceed 45.4 kg/day (100 lbs/day).
- d) No owner or operator shall violate any condition in a permit when the condition results in exclusion of an emission unit from this Subpart.
- e) Any pharmaceutical manufacturing source that becomes subject to the provisions of this Subpart at any time shall remain subject to the provisions of this Subpart at all times.
- f) Emissions subject to this Subpart shall be controlled at all times consistent with the requirements set forth in this Subpart.
- g) Any control device required pursuant to this Subpart shall be operated at all times when the source it is controlling is operated.
- h) Determinations of daily and annual emissions for purposes of this Section shall be made using both data on the hourly emission rate (or the emissions per unit of throughput) and appropriate daily and annual data from records of emission unit operation (or material throughput or material consumption data). In the absence of representative test data pursuant to Section 218.487 of this Part for the hourly emission rate (or the emissions per unit of throughput) such items shall be calculated using engineering calculations, including the methods described in Appendix B of "Control of Volatile Organic Emissions from Manufacturing of Synthesized Pharmaceutical Products" (EPA-450/2-78-029), incorporated by reference in Section 218.112 of this Part. (This subsection shall not affect the Agency's or the USEPA's authority to require emission tests to be performed pursuant to Section 218.487 of this Part.)
- i) Equipment and operations emitting VOM at a source subject to subsection (a) or (c) of this Section and used to produce pharmaceutical products or a

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENT

pharmaceutical-like product such as a hormone, enzyme, or antibiotic, shall be deemed to be engaged in the manufacture of pharmaceuticals for the purposes of this Subpart.

(Source: Amended at 32 Ill.	Reg.	effective
-----------------------------	------	-----------

CERTIFICATE OF AMENDED PART

The Pollution Control Board certifies that the attached hereto is a true and correct copy of:

Heading of Part:

Organic Material Emission Standards and Limitations for the Chicago

Area

Code Citation:

35 Ill. Adm. Code 218

Sections Involved:

218.480

S. Tomer Guard

Statutory Authority: 415 ILCS 5/28.6415 ILCS 5/13.6

which was duly adopted by this Agency on the 21st day of August, 2008.

G. Tanner Girard Acting Chairman