

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

- 1) Heading of the Part: Organic Material Emission Standards and Limitations for the Chicago Area
- 2) Code Citation: 35 Ill. Adm. Code Part 218
- 3) Section Number: 218.480 Proposed Action: Amend
- 4) Statutory Authority: Implementing Section 10 and authorized by Sections 27 and 28 of the Environmental Protection Act [415 ILCS 5/10, 27 and 28]
- 5) A Complete Description of the Subjects and Issues Involved: For a more detailed discussion of these amendments, see the Board's October 4, 2007 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. Abbott is proposing to amend these site-specific exemptions by "capping" and lowering the overall emissions allowable under the exemptions from its tunnel dryers numbered #1, #2, #3 and #4, and fluid bed dryers numbered #1, #2 and #3, and calculating the amount of exempted emissions from the dryers based on the actual combined emissions from the dryers. Abbott believes that, if adopted, the proposed amendment would reduce the overall allowable emissions from these units while increasing Abbott's operational flexibility, by allowing it to make preferential use of the more efficient fluid bed dryers. In response to Abbott's request, the Board accepted the proposal for hearing, and first notice publication, but does not comment on the merits of the Abbott proposal.
- 6) Published studies or reports, and sources of underlying data, used to compose this rulemaking: None presently identified.
- 7) Will this proposed rulemaking replace any emergency rulemaking currently in effect? No
- 8) Does this rulemaking contain an automatic repeal date? No
- 9) Does this proposed rulemaking contain incorporations by reference? No
- 10) Are there any other proposed amendments pending on this Part? No

RECEIVED
CLERK'S OFFICE
OCT 19 2007
STATE OF ILLINOIS
Pollution Control Board

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

- 11) Statement of Statewide Policy Objectives: This proposed rule does not create or enlarge a State mandate, as defined in Section 3(b) of the State Mandates Act. [30 ILCS 805/3(b) (2006)]
- 12) Time, Place, and Manner in which interested persons may comment on this proposed rulemaking: The Board is in the process of scheduling a hearing in the rulemaking. Additionally, the Board will accept written public comment on this proposal for 45 days after the date of publication in the *Illinois Register*. Comments should reference Docket R08-8 and be addressed to:

Clerk's Office
Illinois Pollution Control Board
100 W. Randolph St., Suite 11-500
Chicago, IL 60601

Interested persons may request copies of the Board's opinion and order by calling the Clerk's office at 312/814-3620, or may download copies from the Board's Web site at www.ipcb.state.il.us.

For more information, contact hearing officer Kathleen M. Crowley at 312/814-6929 or email at crowlek@ipcb.state.il.us.

- 13) Initial Regulatory Flexibility Analysis:
- A) Types of small businesses, small municipalities and not for profit corporations affected: This proposed rulemaking is site specific and will only impact Abbott Laboratories.
- B) Reporting, bookkeeping or other procedures required for compliance: This rulemaking does not impose any additional reporting or recordkeeping requirements.
- C) Types of professional skills necessary for compliance: No professional skills beyond those currently required by the existing state and federal air pollution control regulations applicable to affected source will be required.
- 14) Regulatory Agenda on which this rulemaking was summarized: The Board did not anticipate that Abbott Laboratories would request this site-specific relief.

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

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

1ST NOTICE VERSION

JCAR350218-0714581r01

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

13	Section	
14	218.100	Introduction
15	218.101	Savings Clause
16	218.102	Abbreviations and Conversion Factors
17	218.103	Applicability
18	218.104	Definitions
19	218.105	Test Methods and Procedures
20	218.106	Compliance Dates
21	218.107	Operation of Afterburners
22	218.108	Exemptions, Variations, and Alternative Means of Control or Compliance
23		Determinations
24	218.109	Vapor Pressure of Volatile Organic Liquids
25	218.110	Vapor Pressure of Organic Material or Solvent
26	218.111	Vapor Pressure of Volatile Organic Material
27	218.112	Incorporations by Reference
28	218.113	Monitoring for Negligibly-Reactive Compounds
29	218.114	Compliance with Permit Conditions

SUBPART B: ORGANIC EMISSIONS FROM STORAGE
AND LOADING OPERATIONS

34	Section	
35	218.119	Applicability for VOL
36	218.120	Control Requirements for Storage Containers of VOL
37	218.121	Storage Containers of VPL
38	218.122	Loading Operations
39	218.123	Petroleum Liquid Storage Tanks
40	218.124	External Floating Roofs
41	218.125	Compliance Dates
42	218.126	Compliance Plan (Repealed)
43	218.127	Testing VOL Operations

RECEIVED
CLERK'S OFFICE
OCT 19 2007
STATE OF ILLINOIS
Pollution Control Board

- 44 218.128 Monitoring VOL Operations
- 45 218.129 Recordkeeping and Reporting for VOL Operations

46
47 SUBPART C: ORGANIC EMISSIONS FROM MISCELLANEOUS EQUIPMENT

- 48
- 49 Section
- 50 218.141 Separation Operations
- 51 218.142 Pumps and Compressors
- 52 218.143 Vapor Blowdown
- 53 218.144 Safety Relief Valves

54
55 SUBPART E: SOLVENT CLEANING

- 56
- 57 Section
- 58 218.181 Solvent Cleaning in General
- 59 218.182 Cold Cleaning
- 60 218.183 Open Top Vapor Degreasing
- 61 218.184 Conveyorized Degreasing
- 62 218.185 Compliance Schedule (Repealed)
- 63 218.186 Test Methods

64
65 SUBPART F: COATING OPERATIONS

- 66
- 67 Section
- 68 218.204 Emission Limitations
- 69 218.205 Daily-Weighted Average Limitations
- 70 218.206 Solids Basis Calculation
- 71 218.207 Alternative Emission Limitations
- 72 218.208 Exemptions from Emission Limitations
- 73 218.209 Exemption from General Rule on Use of Organic Material
- 74 218.210 Compliance Schedule
- 75 218.211 Recordkeeping and Reporting
- 76 218.212 Cross-Line Averaging to Establish Compliance for Coating Lines
- 77 218.213 Recordkeeping and Reporting for Cross-Line Averaging Participating Coating
- 78 Lines
- 79 218.214 Changing Compliance Methods
- 80 218.215 Wood Furniture Coating Averaging Approach
- 81 218.216 Wood Furniture Coating Add-On Control Use
- 82 218.217 Wood Furniture Coating Work Practice Standards

83
84 SUBPART G: USE OF ORGANIC MATERIAL

- 85
- 86 Section

- 87 218.301 Use of Organic Material
- 88 218.302 Alternative Standard
- 89 218.303 Fuel Combustion Emission Units
- 90 218.304 Operations with Compliance Program

91
92
93

SUBPART H: PRINTING AND PUBLISHING

94 Section

- 95 218.401 Flexographic and Rotogravure Printing
- 96 218.402 Applicability
- 97 218.403 Compliance Schedule
- 98 218.404 Recordkeeping and Reporting
- 99 218.405 Lithographic Printing: Applicability
- 100 218.406 Provisions Applying to Heatset Web Offset Lithographic Printing Prior to March
101 15, 1996
- 102 218.407 Emission Limitations and Control Requirements for Lithographic Printing Lines
103 On and After March 15, 1996
- 104 218.408 Compliance Schedule for Lithographic Printing On and After March 15, 1996
- 105 218.409 Testing for Lithographic Printing On and After March 15, 1996
- 106 218.410 Monitoring Requirements for Lithographic Printing
- 107 218.411 Recordkeeping and Reporting for Lithographic Printing

108
109
110
111

SUBPART Q: SYNTHETIC ORGANIC CHEMICAL
AND POLYMER MANUFACTURING PLANT

112 Section

- 113 218.421 General Requirements
- 114 218.422 Inspection Program Plan for Leaks
- 115 218.423 Inspection Program for Leaks
- 116 218.424 Repairing Leaks
- 117 218.425 Recordkeeping for Leaks
- 118 218.426 Report for Leaks
- 119 218.427 Alternative Program for Leaks
- 120 218.428 Open-Ended Valves
- 121 218.429 Standards for Control Devices
- 122 218.430 Compliance Date (Repealed)
- 123 218.431 Applicability
- 124 218.432 Control Requirements
- 125 218.433 Performance and Testing Requirements
- 126 218.434 Monitoring Requirements
- 127 218.435 Recordkeeping and Reporting Requirements
- 128 218.436 Compliance Date

129

130 SUBPART R: PETROLEUM REFINING AND
131 RELATED INDUSTRIES; ASPHALT MATERIALS
132

- 133 Section
134 218.441 Petroleum Refinery Waste Gas Disposal
135 218.442 Vacuum Producing Systems
136 218.443 Wastewater (Oil/Water) Separator
137 218.444 Process Unit Turnarounds
138 218.445 Leaks: General Requirements
139 218.446 Monitoring Program Plan for Leaks
140 218.447 Monitoring Program for Leaks
141 218.448 Recordkeeping for Leaks
142 218.449 Reporting for Leaks
143 218.450 Alternative Program for Leaks
144 218.451 Sealing Device Requirements
145 218.452 Compliance Schedule for Leaks
146 218.453 Compliance Dates (Repealed)

147
148 SUBPART S: RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS
149

- 150 Section
151 218.461 Manufacture of Pneumatic Rubber Tires
152 218.462 Green Tire Spraying Operations
153 218.463 Alternative Emission Reduction Systems
154 218.464 Emission Testing
155 218.465 Compliance Dates (Repealed)
156 218.466 Compliance Plan (Repealed)

157
158 SUBPART T: PHARMACEUTICAL MANUFACTURING
159

- 160 Section
161 218.480 Applicability
162 218.481 Control of Reactors, Distillation Units, Crystallizers, Centrifuges and Vacuum
163 Dryers
164 218.482 Control of Air Dryers, Production Equipment Exhaust Systems and Filters
165 218.483 Material Storage and Transfer
166 218.484 In-Process Tanks
167 218.485 Leaks
168 218.486 Other Emission Units
169 218.487 Testing
170 218.488 Monitoring for Air Pollution Control Equipment
171 218.489 Recordkeeping for Air Pollution Control Equipment

172

216
 217 Section
 218 218.601 Perchloroethylene Dry Cleaners (Repealed)
 219 218.602 Applicability (Repealed)
 220 218.603 Leaks (Repealed)
 221 218.604 Compliance Dates (Repealed)
 222 218.605 Compliance Plan (Repealed)
 223 218.606 Exception to Compliance Plan (Repealed)
 224 218.607 Standards for Petroleum Solvent Dry Cleaners
 225 218.608 Operating Practices for Petroleum Solvent Dry Cleaners
 226 218.609 Program for Inspection and Repair of Leaks
 227 218.610 Testing and Monitoring
 228 218.611 Applicability for Petroleum Solvent Dry Cleaners
 229 218.612 Compliance Dates (Repealed)
 230 218.613 Compliance Plan (Repealed)

231
 232 SUBPART AA: PAINT AND INK MANUFACTURING
 233

234 Section
 235 218.620 Applicability
 236 218.621 Exemption for Waterbase Material and Heatset_Offset Ink
 237 218.623 Permit Conditions (Repealed)
 238 218.624 Open_Top Mills, Tanks, Vats or Vessels
 239 218.625 Grinding Mills
 240 218.626 Storage Tanks
 241 218.628 Leaks
 242 218.630 Clean Up
 243 218.636 Compliance Schedule
 244 218.637 Recordkeeping and Reporting

245
 246 SUBPART BB: POLYSTYRENE PLANTS
 247

248 Section
 249 218.640 Applicability
 250 218.642 Emissions Limitation at Polystyrene Plants
 251 218.644 Emissions Testing

252
 253 SUBPART CC: POLYESTER RESIN PRODUCT MANUFACTURING PROCESS
 254

255 Section
 256 218.660 Applicability
 257 218.666 Control Requirements
 258 218.667 Compliance Schedule

259 218.668 Testing
 260 218.670 Recordkeeping and Reporting for Exempt Emission Units
 261 218.672 Recordkeeping and Reporting for Subject Emission Units

262

SUBPART DD: AEROSOL CAN FILLING

263

264

265 Section

266 218.680 Applicability
 267 218.686 Control Requirements
 268 218.688 Testing
 269 218.690 Recordkeeping and Reporting for Exempt Emission Units
 270 218.692 Recordkeeping and Reporting for Subject Emission Units

271

SUBPART FF: BAKERY OVENS (REPEALED)

272

273

274 Section

275 218.720 Applicability (Repealed)
 276 218.722 Control Requirements (Repealed)
 277 218.726 Testing (Repealed)
 278 218.727 Monitoring (Repealed)
 279 218.728 Recordkeeping and Reporting (Repealed)
 280 218.729 Compliance Date (Repealed)
 281 218.730 Certification (Repealed)

282

SUBPART GG: MARINE TERMINALS

283

284

285 Section

286 218.760 Applicability
 287 218.762 Control Requirements
 288 218.764 Compliance Certification
 289 218.766 Leaks
 290 218.768 Testing and Monitoring
 291 218.770 Recordkeeping and Reporting

292

SUBPART HH: MOTOR VEHICLE REFINISHING

293

294

295 Section

296 218.780 Emission Limitations
 297 218.782 Alternative Control Requirements
 298 218.784 Equipment Specifications
 299 218.786 Surface Preparation Materials
 300 218.787 Work Practices
 301 218.788 Testing

302	218.789	Monitoring and Recordkeeping for Control Devices
303	218.790	General Recordkeeping and Reporting (Repealed)
304	218.791	Compliance Date
305	218.792	Registration
306	218.875	Applicability of Subpart BB (Renumbered)
307	218.877	Emissions Limitation at Polystyrene Plants (Renumbered)
308	218.879	Compliance Date (Repealed)
309	218.881	Compliance Plan (Repealed)
310	218.883	Special Requirements for Compliance Plan (Repealed)
311	218.886	Emissions Testing (Renumbered)

312

SUBPART PP: MISCELLANEOUS FABRICATED PRODUCT
MANUFACTURING PROCESSES

313

314 Section

316	218.920	Applicability
317	218.923	Permit Conditions (Repealed)
318	218.926	Control Requirements
319	218.927	Compliance Schedule
320	218.928	Testing
321	218.929	Cementable and Dress or Performance Shoe Leather

322

SUBPART QQ: MISCELLANEOUS FORMULATION
MANUFACTURING PROCESSES

323

324 Section

326	218.940	Applicability
327	218.943	Permit Conditions (Repealed)
328	218.946	Control Requirements
329	218.947	Compliance Schedule
330	218.948	Testing

331

SUBPART RR: MISCELLANEOUS ORGANIC CHEMICAL
MANUFACTURING PROCESSES

332

333 Section

335	218.960	Applicability
336	218.963	Permit Conditions (Repealed)
337	218.966	Control Requirements
338	218.967	Compliance Schedule
339	218.968	Testing

340

SUBPART TT: OTHER EMISSION UNITS

341

342

343

344

345
 346 Section
 347 218.980 Applicability
 348 218.983 Permit Conditions (Repealed)
 349 218.986 Control Requirements
 350 218.987 Compliance Schedule
 351 218.988 Testing

352
 353 SUBPART UU: RECORDKEEPING AND REPORTING

354
 355 Section
 356 218.990 Exempt Emission Units
 357 218.991 Subject Emission Units
 358
 359 218.APPENDIX A List of Chemicals Defining Synthetic Organic Chemical and Polymer
 360 Manufacturing
 361 218.APPENDIX B VOM Measurement Techniques for Capture Efficiency (Repealed)
 362 218.APPENDIX C Reference Methods and Procedures
 363 218.APPENDIX D Coefficients for the Total Resource Effectiveness Index (TRE) Equation
 364 218.APPENDIX E List of Affected Marine Terminals
 365 218.APPENDIX G TRE Index Measurements for SOCOMI Reactors and Distillation Units
 366 218.APPENDIX H Baseline VOM Content Limitations for Subpart F, Section 218.212
 367 Cross-Line Averaging
 368

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

371
 372 SOURCE: Adopted at R91-7 at 15 Ill. Reg. 12231, effective August 16, 1991; amended in R91-
 373 24 at 16 Ill. Reg. 13564, effective August 24, 1992; amended in R91-28 and R91-30 at 16 Ill.
 374 Reg. 13864, effective August 24, 1992; amended in R93-9 at 17 Ill. Reg. 16636, effective
 375 September 27, 1993; amended in R93-14 at 18 Ill. Reg. 1945, effective January 24, 1994;
 376 amended in R94-12 at 18 Ill. Reg. 14973, effective September 21, 1994; amended in R94-15 at
 377 18 Ill. Reg. 16392, effective October 25, 1994; amended in R94-16 at 18 Ill. Reg. 16950,
 378 effective November 15, 1994; amended in R94-21, R94-31 and R94-32 at 19 Ill. Reg. 6848,
 379 effective May 9, 1995; amended in R94-33 at 19 Ill. Reg. 7359, effective May 22, 1995;
 380 amended in R96-13 at 20 Ill. Reg. 14428, effective October 17, 1996; amended in R97-24 at 21
 381 Ill. Reg. 7708, effective June 9, 1997; amended in R97-31 at 22 Ill. Reg. 3556, effective
 382 February 2, 1998; amended in R98-16 at 22 Ill. Reg. 14282, effective July 16, 1998; amended in
 383 R02-20 at 27 Ill. Reg. 7283, effective April 8, 2003; amended in R04-12/20 at 30 Ill. Reg. 9684,
 384 effective May 15, 2006; amended in R06-21 at 31 Ill. Reg. 7086, effective April 30, 2007;
 385 amended in R08-8 at 32 Ill. Reg. _____, effective _____.

386
 387 SUBPART T: PHARMACEUTICAL MANUFACTURING

388
 389
 390
 391
 392
 393
 394
 395
 396
 397
 398
 399
 400
 401
 402
 403
 404
 405
 406
 407
 408
 409
 410
 411
 412
 413
 414
 415
 416
 417
 418
 419
 420
 421
 422
 423
 424
 425
 426
 427
 428
 429
 430

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 (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 (b)(4) of this Section, for~~For~~ each tunnel dryer: 6,803 kg/year (7.5 tons/year); ~~and~~
 - 4) 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 (b)(4) shall not exceed 18,779 kg/year (20.7 tons/year); and

BOARD NOTE: Tunnel dryers are otherwise referred to as warm air dryers.

 - 54) 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
 - 2) 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 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 _____)

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
- 218.126 Compliance Plan (Repealed)
- 218.127 Testing VOL Operations
- 218.128 Monitoring VOL Operations
- 218.129 Recordkeeping and Reporting for VOL Operations

SUBPART C: ORGANIC EMISSIONS FROM MISCELLANEOUS EQUIPMENT

Section

- 218.141 Separation Operations
- 218.142 Pumps and Compressors
- 218.143 Vapor Blowdown
- 218.144 Safety Relief Valves

SUBPART E: SOLVENT CLEANING

Section

RECEIVED
CLERK'S OFFICE
OCT 19 2007
STATE OF ILLINOIS
Pollution Control Board

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

SUBPART G: USE OF ORGANIC MATERIAL

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
218.435 Recordkeeping and Reporting Requirements
218.436 Compliance Date

SUBPART R: PETROLEUM REFINING AND
RELATED 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

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)

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

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
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

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
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
MANUFACTURING PROCESSES

Section
218.960 Applicability
218.963 Permit Conditions (Repealed)

218.966 Control Requirements
218.967 Compliance Schedule
218.968 Testing

SUBPART TT: OTHER EMISSION UNITS

Section

218.980 Applicability
218.983 Permit Conditions (Repealed)
218.986 Control Requirements
218.987 Compliance Schedule
218.988 Testing

SUBPART UU: RECORDKEEPING AND REPORTING

Section

218.990 Exempt Emission Units
218.991 Subject Emission Units

218.APPENDIX A+ List of Chemicals Defining Synthetic Organic Chemical and Polymer Manufacturing
218.APPENDIX B+ VOM Measurement Techniques for Capture Efficiency (Repealed)
218.APPENDIX C+ Reference Methods and Procedures
218.APPENDIX D+ Coefficients for the Total Resource Effectiveness Index (TRE) Equation
218.APPENDIX E+ List of Affected Marine Terminals
218.APPENDIX G+ TRE Index Measurements for SOCOMI Reactors and Distillation Units
218.APPENDIX H+ Baseline VOM Content Limitations for Subpart F, Section 218.212 Cross-Line Averaging

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

4) 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 18,779 kg/year (20.7 tons/year); ~~and~~

BOARD NOTE: ~~tunnel Tunnel~~ dryers are otherwise referred to as warm air dryers; ~~and~~

~~45~~) 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

2) 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 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 _____)
~~ILLINOIS REGISTER~~

JCAR350218-0714581r01

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENT~~

Document comparison done by DeltaView on Thursday, October 18, 2007 9:26:00 AM

Input:	
Document 1	file:///I:/Input/35-218-AGENCY(issue43).doc
Document 2	file:///I:/Input/35-218-JCARr01.doc
Rendering set	Standard

Legend:	
<u>Insertion</u>	
Deletion	
Moved from	
<u>Moved to</u>	
Style change	
Format change	
Moved deletion	
Inserted cell	
Deleted cell	
Moved cell	
Split/Merged cell	
Padding cell	

Statistics:	
	Count
Insertions	10
Deletions	25
Moved from	0
Moved to	0
Style change	0
Format changed	0
Total changes	35