

## POLLUTION CONTROL BOARD

## NOTICE OF PROPOSED AMENDMENTS

R 13-18

1) Heading of the Part: Permits and General Provisions

2) Code Citation: 35 Ill. Adm. Code 201

3) <u>Section Numbers:</u>	<u>Proposed Action:</u>
201.146	Amend
201.210	Amend
201.302	Amend

**RECEIVED**  
**CLERK'S OFFICE**

MAY 08 2013

**STATE OF ILLINOIS**  
**Pollution Control Board**

4) Statutory Authority: Implementing Sections 9, 10, 39, and 39.5 of the Environmental Protection Act [415 ILCS 5/9, 10, 39, 39.5] and authorized by Sections 27 and 28 of the Environmental Protection Act [415 ILCS 5/27, 28]

5) A Complete Description of the Subjects and Issues Involved: In this rulemaking, the Illinois Pollution Control Board (Board) proposes to phase out the Stage II (gasoline dispensing to motor vehicles at gasoline dispensing operations) (35 Ill. Adm. Code 218.586) program, including the Stage II registration provision (35 Ill. Adm. Code 218.586(h)). In addition, the Board proposes to repeal the Stage I (storage tank filling at gasoline dispensing operations) (35 Ill. Adm. Code 218.583(e) and 219.583(e)) registration provisions due to overlapping federal notification requirements and State tracking systems for gasoline dispensing operations. The available permitting exemptions (currently conditioned upon registration) provided by these Stage I and II registration provisions are proposed to be relocated to 35 Ill. Adm. Code 201.146(l). The new, combined Stage I and II proposed permitting exemption at Section 201.146(l) does not require registration and expands the exemption to include non-retail State I operations not previously exempted. Additionally, the amendments propose clarifications to Section 201.146(n) and (nn), and repeal Section 201.146(kk) as it is no longer necessary. Also, the amendments propose an insignificant activity for gasoline storage tanks with a capacity of less than 2000 gallons at Section 201.210(a)(10)(B). Additionally, the amendments propose an insignificant activity for fuel dispensing at Section 201.210(a)(19). The amendments propose a clarification to Section 201.210(b)(4). Further, the amendments propose a clarification and clean-up to the requirement for annual emissions reports at Section 201.302.

6) Published studies or reports, and sources of underlying data, used to compose this rulemaking:

Clean Air Act (42 USC 7401 *et seq.*)

40 CFR 63, Subpart CCCCCC (2012)

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- 7) Will this rulemaking replace any emergency rulemaking currently in effect? No
- 8) Does this rulemaking contain an automatic repeal date? No
- 9) Does this rulemaking contain incorporations by reference? No
- 10) Are there any other proposed rulemaking pending on this Part? No
- 11) Statement of Statewide Policy Objectives This proposed rulemaking does not create or enlarge a State mandate, as defined in Section 3(b) of the State Mandates Act. [30 ILCS 805/3(b)].
- 12) Time, Place, and Manner in which interested persons may comment on this proposed rulemaking: The Board will accept written public comments on this proposal for a period of at least 45 days after the date of publication in the *Illinois Register*. Public comments must be filed with the Clerk of the Board. Public comments may be filed at the following address:
- John Therriault, Assistant Clerk  
Pollution Control Board  
JRTC  
100 W. Randolph Street, Suite 11-500  
Chicago, IL 60601
- 312/814-3620
- Public comments may also be filed electronically through the Clerk's Office On-Line (COOL) on the Board's Web site at [www.ipcb.state.il.us](http://www.ipcb.state.il.us).
- In addition, two public hearings will be held. The first hearing will take place in Springfield on May 8, 2013. The second hearing will take place in Chicago on June 5, 2013.
- 13) Initial Regulatory Flexibility Analysis:
- A) Types of small businesses, small municipalities and not for profit corporations affected: Any small business, small municipality, or not for profit corporation engaged in storage tank filling or fuel dispensing at gasoline dispensing operations

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- B) Reporting, bookkeeping or other procedures required for compliance: Permitting exemptions will be maintained. Also, permitting exemptions and insignificant activities will be added for certain affected sources, which will remove the permitting requirement and/or remove or lessen permit application, reporting, and/or recordkeeping requirements.
- C) Types of professional skills necessary for compliance: None
- 14) Regulatory Agenda on which this rulemaking was summarized: January 2013

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

# 1<sup>ST</sup> NOTICE VERSION

JCAR350201-1306028r01

1 TITLE 35: ENVIRONMENTAL PROTECTION  
2 SUBTITLE B: AIR POLLUTION  
3 CHAPTER I: POLLUTION CONTROL BOARD  
4 SUBCHAPTER a: PERMITS AND GENERAL PROVISIONS

5  
6 PART 201  
7 PERMITS AND GENERAL PROVISIONS

8  
9 SUBPART A: DEFINITIONS

10  
11 Section  
12 201.101 Other Definitions  
13 201.102 Definitions  
14 201.103 Abbreviations and Units  
15 201.104 Incorporations by Reference

16  
17 SUBPART B: GENERAL PROVISIONS

18  
19 Section  
20 201.121 Existence of Permit No Defense  
21 201.122 Proof of Emissions  
22 201.123 Burden of Persuasion Regarding Exceptions  
23 201.124 Annual Report  
24 201.125 Severability  
25 201.126 Repealer

26  
27 SUBPART C: PROHIBITIONS

28  
29 Section  
30 201.141 Prohibition of Air Pollution  
31 201.142 Construction Permit Required  
32 201.143 Operating Permits for New Sources  
33 201.144 Operating Permits for Existing Sources  
34 201.146 Exemptions from State Permit Requirements  
35 201.147 Former Permits  
36 201.148 Operation Without Compliance Program and Project Completion Schedule  
37 201.149 Operation During Malfunction, Breakdown or Startups  
38 201.150 Circumvention  
39 201.151 Design of Effluent Exhaust Systems

40  
41 SUBPART D: PERMIT APPLICATIONS AND REVIEW PROCESS

42  
43 Section

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44	201.152	Contents of Application for Construction Permit
45	201.153	Incomplete Applications (Repealed)
46	201.154	Signatures (Repealed)
47	201.155	Standards for Issuance (Repealed)
48	201.156	Conditions
49	201.157	Contents of Application for Operating Permit
50	201.158	Incomplete Applications
51	201.159	Signatures
52	201.160	Standards for Issuance
53	201.161	Conditions
54	201.162	Duration
55	201.163	Joint Construction and Operating Permits
56	201.164	Design Criteria
57	201.165	Hearings
58	201.166	Revocation
59	201.167	Revisions to Permits
60	201.168	Appeals from Conditions
61	201.169	Special Provisions for Certain Operating Permits
62	201.170	Portable Emission Units
63	201.175	Registration of Smaller Sources (ROSS)

64  
65                   SUBPART E: SPECIAL PROVISIONS FOR OPERATING  
66                   PERMITS FOR CERTAIN SMALLER SOURCES  
67

68	Section	
69	201.180	Applicability (Repealed)
70	201.181	Expiration and Renewal (Repealed)
71	201.187	Requirement for a Revised Permit (Repealed)

72  
73                   SUBPART F: CAAPP PERMITS

74		
75	Section	
76	201.207	Applicability
77	201.208	Supplemental Information
78	201.209	Emissions of Hazardous Air Pollutants
79	201.210	Categories of Insignificant Activities or Emission Levels
80	201.211	Application for Classification as an Insignificant Activity
81	201.212	Revisions to Lists of Insignificant Activities or Emission Levels

82  
83                   SUBPART G: EXPERIMENTAL PERMITS (Reserved)

84  
85                   SUBPART H: COMPLIANCE PROGRAMS AND  
86                   PROJECT COMPLETION SCHEDULES

87		
88	Section	
89	201.241	Contents of Compliance Program
90	201.242	Contents of Project Completion Schedule
91	201.243	Standards for Approval
92	201.244	Revisions
93	201.245	Effects of Approval
94	201.246	Records and Reports
95	201.247	Submission and Approval Dates
96		
97		SUBPART I: MALFUNCTIONS, BREAKDOWNS OR STARTUPS
98		
99	Section	
100	201.261	Contents of Request for Permission to Operate During a Malfunction, Breakdown or Startup
101		
102	201.262	Standards for Granting Permission to Operate During a Malfunction, Breakdown or Startup
103		
104	201.263	Records and Reports
105	201.264	Continued Operation or Startup Prior to Granting of Operating Permit
106	201.265	Effect of Granting of Permission to Operate During a Malfunction, Breakdown or Startup
107		
108		
109		SUBPART J: MONITORING AND TESTING
110		
111	Section	
112	201.281	Permit Monitoring Equipment Requirements
113	201.282	Testing
114	201.283	Records and Reports
115		
116		SUBPART K: RECORDS AND REPORTS
117		
118	Section	
119	201.301	Records
120	201.302	Reports
121		
122		SUBPART L: CONTINUOUS MONITORING
123		
124	Section	
125	201.401	Continuous Monitoring Requirements
126	201.402	Alternative Monitoring
127	201.403	Exempt Sources
128	201.404	Monitoring System Malfunction
129	201.405	Excess Emission Reporting

- 130 201.406 Data Reduction
- 131 201.407 Retention of Information
- 132 201.408 Compliance Schedules
- 133
- 134 201.APPENDIX A Rule into Section Table
- 135 201.APPENDIX B Section into Rule Table
- 136 201.APPENDIX C Past Compliance Dates

137  
 138 AUTHORITY: Implementing Sections 10, 39 and 39.5 and authorized by Section 27 of the  
 139 Environmental Protection Act [415 ILCS 5/10, 27, 39 and 39.5].

140  
 141 SOURCE: Adopted as Chapter 2: Air Pollution, Part I: General Provisions, in R71-23, 4 PCB  
 142 191, filed and effective April 14, 1972; amended in R78-3 and 4, 35 PCB 75 and 243, at 3 Ill.  
 143 Reg. 30, p. 124, effective July 28, 1979; amended in R80-5, at 7 Ill. Reg. 1244, effective January  
 144 21, 1983; codified at 7 Ill. Reg. 13579; amended in R82-1 (Docket A) at 10 Ill. Reg. 12628,  
 145 effective July 7, 1986; amended in R87-38 at 13 Ill. Reg. 2066, effective February 3, 1989;  
 146 amended in R89-7(A) at 13 Ill. Reg. 19444, effective December 5, 1989; amended in R89-7(B)  
 147 at 15 Ill. Reg. 17710, effective November 26, 1991; amended in R93-11 at 17 Ill. Reg. 21483,  
 148 effective December 7, 1993; amended in R94-12 at 18 Ill. Reg. 15002, effective September 21,  
 149 1994; amended in R94-14 at 18 Ill. Reg. 15760, effective October 17, 1994; amended in R96-17  
 150 at 21 Ill. Reg. 7878, effective June 17, 1997; amended in R98-13 at 22 Ill. Reg. 11451, effective  
 151 June 23, 1998; amended in R98-28 at 22 Ill. Reg. 11823, effective July 31, 1998; amended in  
 152 R02-10 at 27 Ill. Reg. 5820, effective March 21, 2003; amended in R05-19 and R05-20 at 30 Ill.  
 153 Reg. 4901, effective March 3, 2006; amended in R07-19 at 33 Ill. Reg. 11965, effective August  
 154 6, 2009; amended in R10-21 at 34 Ill. Reg. 19575, effective December 1, 2010; amended in R12-  
 155 10 at 35 Ill. Reg. 19790, effective December 5, 2011; amended in R13-18 at 37 Ill. Reg. \_\_\_\_\_,  
 156 effective \_\_\_\_\_.

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 158 SUBPART C: PROHIBITIONS

159  
 160 **Section 201.146 Exemptions from State Permit Requirements**

161  
 162 Construction or operating permits, pursuant to Sections 201.142, 201.143 and 201.144 of this  
 163 Part, are not required for the classes of equipment and activities listed below in this Section. The  
 164 permitting exemptions in this Section do not relieve the owner or operator of any source from  
 165 any obligation to comply with any other applicable requirements, including the obligation to  
 166 obtain a permit pursuant to Sections 9.1(d) and 39.5 of the Act, sections 165, 173 and 502 of the  
 167 Clean Air Act or any other applicable permit or registration requirements.

- 168
- 169 a) Air contaminant detectors or recorders, combustion controllers or combustion
- 170 shutoffs;
- 171
- 172 b) Air conditioning or ventilating equipment not designed to remove air

- 173 contaminants generated by or released from associated equipment;  
174
- 175 c) Each fuel burning emission unit for indirect systems and for heating and reheating  
176 furnace systems used exclusively for residential, or commercial establishments  
177 using gas and/or fuel oil exclusively with a design heat input capacity of less than  
178 14.6 MW (50 mmbtu/hr), except that a permit shall be required for any such  
179 emission unit with a design heat input capacity of at least 10 mmbtu/hr that was  
180 constructed, reconstructed or modified after June 9, 1989 and that is subject to 40  
181 CFR 60, subpart D;  
182
- 183 d) Each fuel burning emission unit other than those listed in subsection (c) of this  
184 Section for direct systems used for comfort heating purposes and indirect heating  
185 systems with a design heat input capacity of less than 2930 kW (10 mmbtu/hr);  
186
- 187 e) Internal combustion engines or boilers (including the fuel system) of motor  
188 vehicles, locomotives, air craft, watercraft, lifttrucks and other vehicles powered  
189 by nonroad engines;  
190
- 191 f) Bench scale laboratory equipment and laboratory equipment used exclusively for  
192 chemical and physical analysis, including associated laboratory fume hoods,  
193 vacuum producing devices and control devices installed primarily to address  
194 potential accidental releases;  
195
- 196 g) Coating operations located at a source using not in excess of 18,925 l (5,000 gal)  
197 of coating (including thinner) per year;  
198
- 199 h) Any emission unit acquired exclusively for domestic use, except that a permit  
200 shall be required for any incinerator and for any fuel combustion emission unit  
201 using solid fuel with a design heat input capacity of 14.6 MW (50 mmbtu/hr) or  
202 more;  
203
- 204 i) Any stationary internal combustion engine with a rated power output of less than  
205 1118 kW (1500 bhp) or stationary turbine, except that a permit shall be required  
206 for the following:  
207
- 208 1) Any internal combustion engine with a rating at equal to or greater than  
209 500 bhp output that is subject to the control requirements of 35 Ill. Adm.  
210 Code 217.388(a) or (b); or  
211
- 212 2) Any stationary gas turbine engine with a rated heat input at peak load of  
213 10.7 gigajoules/hr (10 mmbtu/hr) or more that is constructed,  
214 reconstructed or modified after October 3, 1977 and that is subject to  
215 requirements of 40 CFR 60, subpart GG;

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- j) Rest room facilities and associated cleanup operations, and stacks or vents used to prevent the escape of sewer gases through plumbing traps;
  - k) Safety devices designed to protect life and limb, provided that a permit is not otherwise required for the emission unit with which the safety device is associated;
  - l) Storage tanks and fuel dispensing equipment that are both used for the dispensing of fuel to mobile sources, including on-road and off-road vehicles, for use in such mobile sources~~Storage tanks for liquids for retail dispensing except for storage tanks that are subject to the requirements of 35 Ill. Adm. Code 215.583(a)(2), 218.583(a)(2) or 219.583(a)(2);~~
  - m) Printing operations with aggregate organic solvent usage that never exceeds 2,839 l (750 gal) per year from all printing lines at the source, including organic solvent from inks, dilutents, fountain solutions and cleaning materials;
  - n) Storage tanks of:
    - 1) Organic liquids with a capacity of less than 37,850 l (10,000 gal), provided the storage tank is not used to store any amount of material or mixture of any material listed as a hazardous air pollutant pursuant to section 112(b) of the Clean Air Act, ~~and provided the storage tank is not subject to the requirements of 35 Ill. Adm. Code 215.583(a)(2), 218.583(a)(2) or 219.583(a)(2);~~
    - 2) Any size containing exclusively soaps, detergents, surfactants, waxes, glycerin, vegetable oils, greases, animal fats, sweetener, corn syrup, aqueous salt solutions or aqueous caustic solutions, provided an organic solvent has not been mixed with such materials; or
    - 3) Any size containing virgin or re-refined distillate oil, hydrocarbon condensate from natural gas pipeline or storage systems, lubricating oil or residual fuel oils;
  - o) Threaded pipe connections, vessel manways, flanges, valves, pump seals, pressure relief valves, pressure relief devices and pumps;
  - p) Sampling connections used exclusively to withdraw materials for testing and analyses;
  - q) All storage tanks of Illinois crude oil with capacity of less than 151,400 l (40,000

- 259 gal) located on oil field sites;  
 260  
 261 r) All organic material-water single or multiple compartment effluent water  
 262 separator facilities for Illinois crude oil of vapor pressure of less than 34.5 kPa  
 263 absolute (5 psia);  
 264  
 265 s) Grain-handling operations, exclusive of grain-drying operations, with an annual  
 266 grain through-put not exceeding 300,000 bushels;  
 267  
 268 t) Grain-drying operations with a total grain-drying capacity not exceeding 750  
 269 bushels per hour for 5% moisture extraction at manufacturer's rated capacity,  
 270 using the American Society of Agricultural Engineers Standard 248.2, Section 9,  
 271 Basis for Stating Drying Capacity of Batch and Continuous-Flow Grain Dryers;  
 272  
 273 u) Portable grain-handling equipment and one-turn storage space;  
 274  
 275 v) Cold cleaning degreasers that are not in-line cleaning machines, where the vapor  
 276 pressure of the solvents used never exceeds 2 kPa (15 mmHg or 0.3 psi) measured  
 277 at 38°C (100°F) or 0.7 kPa (5 mmHg or 0.1 psi) at 20°C (68°F);  
 278  
 279 w) Coin-operated dry cleaning operations;  
 280  
 281 x) Dry cleaning operations at a source that consume less than 30 gallons per month  
 282 of perchloroethylene;  
 283  
 284 y) Brazing, soldering, wave soldering or welding equipment, including associated  
 285 ventilation hoods;  
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 287 z) Cafeterias, kitchens, and other similar facilities, including smokehouses, used for  
 288 preparing food or beverages, but not including facilities used in the manufacturing  
 289 and wholesale distribution of food, beverages, food or beverage products, or food  
 290 or beverage components;  
 291  
 292 aa) Equipment for carving, cutting, routing, turning, drilling, machining, sawing,  
 293 surface grinding, sanding, planing, buffing, sand blast cleaning, shot blasting, shot  
 294 peening, or polishing ceramic artwork, leather, metals (other than beryllium),  
 295 plastics, concrete, rubber, paper stock, wood or wood products, where such  
 296 equipment is either:  
 297  
 298 1) Used for maintenance activity;  
 299  
 300 2) Manually operated;  
 301

- 302 3) Exhausted inside a building; or  
303  
304 4) Vented externally with emissions controlled by an appropriately operated  
305 cyclonic inertial separator (cyclone), filter, electro-static precipitor or a  
306 scrubber;  
307
- 308 bb) Feed mills that produce no more than 10,000 tons of feed per calendar year,  
309 provided that a permit is not otherwise required for the source pursuant to Section  
310 201.142, 201.143 or 201.144;  
311
- 312 cc) Extruders used for the extrusion of metals, minerals, plastics, rubber or wood,  
313 excluding:  
314
- 315 1) Extruders used in the manufacture of polymers;  
316
- 317 2) Extruders using foaming agents or release agents that contain volatile  
318 organic materials or Class I or II substances subject to the requirements of  
319 Title VI of the Clean Air Act; and  
320
- 321 3) Extruders processing scrap material that was produced using foaming  
322 agents containing volatile organic materials or Class I or II substances  
323 subject to the requirements of Title VI of the Clean Air Act;  
324
- 325 dd) Furnaces used for melting metals, other than beryllium, with a brim full capacity  
326 of less than 450 cubic inches by volume;  
327
- 328 ee) Equipment used for the melting or application of less than 22,767 kg/yr (50,000  
329 lbs/yr) of wax to which no organic solvent has been added;  
330
- 331 ff) Equipment used for filling drums, pails or other packaging containers, excluding  
332 aerosol cans, with soaps, detergents, surfactants, lubricating oils, waxes, vegetable  
333 oils, greases, animal fats, glycerin, sweeteners, corn syrup, aqueous salt solutions  
334 or aqueous caustic solutions, provided an organic solvent has not been mixed with  
335 such materials;  
336
- 337 gg) Loading and unloading systems for railcars, tank trucks, or watercraft that handle  
338 only the following liquid materials: soaps, detergents, surfactants, lubricating  
339 oils, waxes, glycerin, vegetable oils, greases, animal fats, sweetener, corn syrup,  
340 aqueous salt solutions or aqueous caustic solutions, provided an organic solvent  
341 has not been mixed with such materials;  
342
- 343 hh) Equipment used for the mixing and blending of materials at ambient temperatures  
344 to make water based adhesives, provided each material mixed or blended contains

- 345 less than 5% organic solvent by weight;  
 346  
 347 ii) Die casting machines where a metal or plastic is formed under pressure in a die  
 348 located at a source with a through-put of less than 2,000,000 lbs of metal or  
 349 plastic per year, in the aggregate, from all die casting machines;  
 350  
 351 jj) Air pollution control devices used exclusively with other equipment that is  
 352 exempt from permitting, as provided in this Section;  
 353  
 354 ~~kk) An emission unit for which a registration system designed to identify sources and~~  
 355 ~~emission units subject to emission control requirements is in place, such as the~~  
 356 ~~registration system found at 35 Ill. Adm. Code 218.586 (Gasoline Dispensing~~  
 357 ~~Operations—Motor Vehicle Fueling Operations) and 35 Ill. Adm. Code 218,~~  
 358 ~~Subpart HH (Motor Vehicle Refinishing);~~  
 359  
 360 ~~kk)H) Photographic process equipment by which an image is reproduced upon material~~  
 361 ~~sensitized to radiant energy;~~  
 362  
 363 ~~ll)mm) Equipment used for hydraulic or hydrostatic testing;~~  
 364  
 365 ~~mm)nn) General vehicle maintenance and servicing activities conducted at a source, motor~~  
 366 ~~vehicle repair shops, and motor vehicle body shops, but not including motor~~  
 367 ~~vehicle refinishing;~~  
 368  
 369 1) ~~Gasoline fuel handling; and~~  
 370  
 371 2) ~~Motor vehicle refinishing;~~  
 372  
 373 ~~nn)oo) Equipment using water, water and soap or detergent, or a suspension of abrasives~~  
 374 ~~in water for purposes of cleaning or finishing, provided no organic solvent has~~  
 375 ~~been added to the water;~~  
 376  
 377 ~~oo)pp) Administrative activities including, but not limited to, paper shredding, copying,~~  
 378 ~~photographic activities and blueprinting machines. This does not include~~  
 379 ~~incinerators;~~  
 380  
 381 ~~pp)qq) Laundry dryers, extractors, and tumblers processing that have been cleaned with~~  
 382 ~~water solutions of bleach or detergents that are:~~  
 383  
 384 1) Located at a source and process clothing, bedding and other fabric items  
 385 used at the source, provided that any organic solvent present in such items  
 386 before processing that is retained from cleanup operations shall be  
 387 addressed as part of the VOM emissions from use of cleaning materials;

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- 2) Located at a commercial laundry; or
- 3) Coin operated;

qq)rr) Housekeeping activities for cleaning purposes, including collecting spilled and accumulated materials, including operation of fixed vacuum cleaning systems specifically for such purposes, but not including use of cleaning materials that contain organic solvent;

rr)ss) Refrigeration systems, including storage tanks used in refrigeration systems, but excluding any combustion equipment associated with such systems;

ss)tt) Activities associated with the construction, on-site repair, maintenance or dismantlement of buildings, utility lines, pipelines, wells, excavations, earthworks and other structures that do not constitute emission units;

tt)uu) Piping and storage systems for natural gas, propane and liquefied petroleum gas;

uu)vv) Water treatment or storage systems, as follows:

- 1) Systems for potable water or boiler feedwater;
- 2) Systems, including cooling towers, for process water, provided that such water has not been in direct or indirect contact with process streams that contain volatile organic material or materials listed as hazardous air pollutants pursuant to section 112(b) of the Clean Air Act;

vv)ww) Lawn care, landscape maintenance and grounds keeping activities;

ww)xx) Containers, reservoirs or tanks used exclusively in dipping operations to coat objects with oils, waxes or greases, provided no organic solvent has been mixed with such materials;

xx)yy) Use of consumer products, including hazardous substances as that term is defined in the Federal Hazardous Substances Act (15 USC 1261 et seq.), where the product is used at a source in the same manner as normal consumer use;

yy)zz) Activities directly used in the diagnosis and treatment of disease, injury or other medical condition;

zz)aaa) Activities associated with the construction, repair or maintenance of roads or other paved or open areas, including operation of street sweepers, vacuum trucks,

- 431 spray trucks and other vehicles related to the control of fugitive emissions of such  
432 roads or other areas;  
433
- 434 aaabbb) Storage and handling of drums or other transportable containers, where the  
435 containers are sealed during storage and handling;  
436
- 437 bbbeee) Activities at a source associated with the maintenance, repair or  
438 dismantlement of an emission unit or other equipment installed at the  
439 source, not including the shutdown of the unit or equipment, including  
440 preparation for maintenance, repair or dismantlement, and preparation for  
441 subsequent startup, including preparation of a shutdown vessel for entry,  
442 replacement of insulation, welding and cutting, and steam purging of a  
443 vessel prior to startup;  
444
- 445 cccddee) Equipment used for corona arc discharge surface treatment of plastic with  
446 a power rating of 5 kW or less or equipped with an ozone destruction  
447 device;  
448
- 449 dddeee) Equipment used to seal or cut plastic bags for commercial, industrial or  
450 domestic use;  
451
- 452 eeeffff) Each direct-fired gas dryer used for a washing, cleaning, coating or  
453 printing line, excluding:  
454
- 455 1) Dryers with a rated heat input capacity of 2930 kW (10 mmbtu/hr) or  
456 more; and  
457
  - 458 2) Dryers for which emissions other than those attributable to combustion of  
459 fuel in the dryer, including emissions attributable to use or application of  
460 cleaning agents, washing materials, coatings or inks or other process  
461 materials that contain volatile organic material are not addressed as part of  
462 the permitting of such line, if a permit is otherwise required for the line;  
463
- 464 fffggg) Municipal solid waste landfills with a maximum total design capacity of less than  
465 2.5 million Mg or 2.5 million m<sup>3</sup> that are not required to install a gas collection  
466 and control system pursuant to 35 Ill. Adm. Code 220 or 800 through 849 or  
467 Section 9.1 of the Act;  
468
- 469 ggghhh) Replacement or addition of air pollution control equipment for existing  
470 emission units in circumstances where:  
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- 472 1) The existing emission unit is permitted and has operated in compliance for  
473 the past year;

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- 2) The new control equipment will provide equal or better control of the target pollutants;
- 3) The new control device will not be accompanied by a net increase in emissions of any non-targeted criteria air pollutant;
- 4) Different State or federal regulatory requirements or newly proposed regulatory requirements will not apply to the unit; and  
BOARD NOTE: All sources must comply with underlying federal regulations and future State regulations.
- 5) Where the existing air pollution control equipment had required monitoring equipment, the new air pollution control equipment will be equipped with the instrumentation and monitoring devices that are typically installed on the new equipment of that type.  
BOARD NOTE: For major sources subject to Section 39.5 of the Act, where the new air pollution control equipment will require a different compliance determination method in the facility's CAAPP permit, the facility may need a permit modification to address the changed compliance determination method;

hhiii) Replacement, addition, or modification of emission units at facilities with federally enforceable State operating permits limiting their potential to emit in circumstances where:

- 1) The potential to emit any regulated air pollutant in the absence of air pollution control equipment from the new emission unit, or the increase in the potential to emit resulting from the modification of any existing emission unit, is less than 0.1 pound per hour or 0.44 tons per year;
- 2) The raw materials and fuels used or present in the emission unit that cause or contribute to emissions, based on the information contained in Material Safety Data Sheets for those materials, do not contain equal to or greater than 0.01 percent by weight of any hazardous air pollutant as defined under section 112(b) of the federal Clean Air Act;
- 3) The emission unit or modification is not subject to an emission standard or other regulatory requirement pursuant to section 111 of the federal Clean Air Act;
- 4) Potential emissions of regulated air pollutants from the emission unit or modification will not, in combination with emissions from existing units

517 or other proposed units, trigger permitting requirements under Section  
518 39.5, permitting requirements under section 165 or 173 of the federal  
519 Clean Air Act, or the requirement to obtain a revised federally enforceable  
520 State operating permit limiting the source's potential to emit; and  
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- 522 5) The source is not currently the subject of a Non-compliance Advisory,  
523 Clean Air Act Section 114 Request, Violation Notice, Notice of Violation,  
524 Compliance Commitment Agreement, Administrative Order, or civil or  
525 criminal enforcement action, related to the air emissions of the source;  
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527 iiijjj) Replacement, addition, or modification of emission units at permitted sources that  
528 are not major sources subject to Section 39.5 of the Act and that do not have a  
529 federally enforceable State operating permit limiting their potential to emit, in  
530 circumstances where:  
531

- 532 1) The potential to emit of any regulated air pollutant in the absence of air  
533 pollution control equipment from the new emission unit, or the increase in  
534 the potential to emit resulting from the modification of any existing  
535 emission unit is either:  
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537 A) Less than 0.1 pound per hour or 0.44 tons per year; or  
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539 B) Less than 0.5 pound per hour, and the permittee provides prior  
540 notification to the Agency of the intent to construct or install the  
541 unit. The unit may be constructed, installed or modified  
542 immediately after the notification is filed;  
543

- 544 2) The emission unit or modification is not subject to an emission standard or  
545 other regulatory requirement under section 111 or 112 of the federal Clean  
546 Air Act;  
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- 548 3) Potential emissions of regulated air pollutants from the emission unit or  
549 modification will not, in combination with the emissions from existing  
550 units or other proposed units, trigger permitting requirements under  
551 Section 39.5 of the Act or the requirement to obtain a federally  
552 enforceable permit limiting the source's potential to emit; and  
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- 554 4) The source is not currently the subject of a Non-compliance Advisory,  
555 Clean Air Act Section 114 Request, Violation Notice, Notice of Violation,  
556 Compliance Commitment Agreement, Administrative Order, or civil or  
557 criminal enforcement action, related to the air emissions of the source;  
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559 jjjkkk) The owner or operator of a CAAPP source is not required to obtain an air

560 pollution control construction permit for the construction or modification of an  
 561 emission unit or activity that is an insignificant activity as addressed by Section  
 562 201.210 or 201.211 of this Part. Section 201.212 of this Part must still be  
 563 followed, as applicable. Other than excusing the owner or operator of a CAAPP  
 564 source from the requirement to obtain an air pollution control construction permit  
 565 for the emission units or activities, nothing in this subsection shall alter or affect  
 566 the liability of the CAAPP source for compliance with emission standards and  
 567 other requirements that apply to the emission units or activities, either  
 568 individually or in conjunction with other emission units or activities constructed,  
 569 modified or located at the source;

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 571 kkkH) Plastic injection molding equipment with an annual through-put not exceeding  
 572 5,000 tons of plastic resin in the aggregate from all plastic injection molding  
 573 equipment at the source, and all associated plastic resin loading, unloading,  
 574 conveying, mixing, storage, grinding, and drying equipment and associated mold  
 575 release and mold cleaning agents.

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 577 (Source: Amended at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)  
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579 **SUBPART F: CAAPP PERMITS**

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 581 **Section 201.210 Categories of Insignificant Activities or Emission Levels**

- 582  
 583 a) The owner or operator of a CAAPP source, pursuant to 35 Ill. Adm. Code 270,  
 584 shall submit to the Agency within its CAAPP application a list of the following  
 585 activities or emission levels:  
 586
- 587 1) Any emission unit determined to be an insignificant activity by the  
 588 Agency pursuant to Section 201.211 of this Part;
  - 589  
 590 2) Emission units with emissions that never exceed 0.1 lbs/hr of any  
 591 regulated air pollutant in the absence of air pollution control equipment  
 592 and that do not emit any air pollutant listed as hazardous pursuant to  
 593 section~~Section~~ 112(b) of the Clean Air Act;
  - 594  
 595 3) Emission units with emissions that never exceed 0.44 tons/year of any  
 596 regulated air pollutant in the absence of air pollution control equipment  
 597 and that do not emit any air pollutant listed as hazardous pursuant to  
 598 section~~Section~~ 112(b) of the Clean Air Act;
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 600 4) Direct combustion units designed and used for comfort heating purposes  
 601 and fuel combustion emission units as follows:  
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- A) Units with a rated heat input capacity of less than 2.5 mmbtu/hr that fire only natural gas, propane or liquefied petroleum gas;
  - B) Units with a rated heat input capacity of less than 1.0 mmbtu/hr that fire only oil or oil in combination with only natural gas, propane, or liquefied petroleum gas;
  - C) Units with a rated capacity of less than 200,000 btu/hr which never burn refuse or treated or chemically contaminated wood;
- 5) Extruders used for the extrusion of metals, minerals, plastics, rubber, or wood, excluding extruders used in the manufacture of polymers, provided that volatile organic materials or class I or II substances subject to the requirements of Title VI of the Clean Air Act are not used as foaming agents or release agents or were not used as foaming agents in the case of extruders processing scrap material;
  - 6) Furnaces used for melting metals other than beryllium with a brim full capacity of less than 450 cubic inches by volume;
  - 7) Equipment used for the melting or application of less than 50,000 lbs/yr of wax to which no organic solvent has been added;
  - 8) Equipment used for filling drums, pails or other packaging containers, excluding aerosol cans, with soaps, detergents, surfactants, lubricating oils, waxes, vegetable oils, greases, animal fats, glycerin, sweeteners, corn syrup, aqueous salt solutions, or aqueous caustic solutions;
  - 9) Equipment used for the mixing and blending of materials at ambient temperature to make water based adhesives provided each material contains less than 5% organic solvent by weight;
  - 10) Storage tanks, as follows:
    - A) Storage tanks of organic liquids with a capacity of less than 10,000 gallons and an annual throughput of less than 100,000 gallons provided the tank is not used for the storage of gasoline or any material listed as a hazardous air pollutant pursuant to ~~section~~Section 112(b) of the Clean Air Act;
    - B) Storage tanks of gasoline, including gasoline/ethanol blend fuels, with a capacity of less than 2000 gallons;

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- 11) Storage tanks of virgin or rerefined distillate oil, hydrocarbon condensate from natural gas pipeline or storage systems, lubricating oil, or residual fuel oils;
  - 12) Die casting machines where a metal or plastic is formed under pressure in a die;
  - 13) Coating operations (excluding powder, architectural and industrial maintenance coating) with aggregate VOM usage that never exceeds 15 lbs/day from all coating lines at the source, including VOM from coating, dilutents, and cleaning materials;
  - 14) Printing operations with aggregate organic solvent usage that never exceeds 750 gallons per year from all printing lines at the source, including organic solvent from inks, dilutents, fountain solutions, and cleaning materials;
  - 15) Gas turbines and stationary reciprocating internal combustion engines of less than 112 kW (150 horsepower) power output;
  - 16) Gas turbines and stationary reciprocating internal combustion engines of between 1118 and 112 kW (1500 and 150 horsepower) power output that are emergency or standby units;
  - 17) Storage tanks of any size containing exclusively soaps, detergents, surfactants, waxes, glycerin, vegetable oils, greases, animal fats, sweetener, corn syrup, aqueous salt solutions, or aqueous caustic solutions provided an organic solvent has not been mixed with such materials; ~~and~~
  - 18) Loading and unloading systems for railcars, tank trucks, or watercraft that handle only the following liquid materials provided an organic solvent has not been mixed with such materials: soaps, detergents, surfactants, lubricating oils, waxes, glycerin, vegetable oils, greases, animal fats, sweetener, corn syrup, aqueous salt solutions, or aqueous caustic solutions; ~~and~~
  - 19) Fuel dispensing operations and fuel dispensing equipment for the fuels specified in subsections (a)(19)(A) and (B), for mobile sources, including on-road and off-road vehicles, for use in such mobile sources. For purposes of this subsections (a)(19), fuel dispensing equipment means equipment for transferring fuel to a mobile source, including nozzles, hoses, swivels, breakaways, hose retractors, vapor valves, dispensers, vacuum-assist devices, vapor-return piping, and liquid collection points.

689                    Storage tanks and storage tank equipment are not included in fuel  
690                    dispensing operations or fuel dispensing equipment and are addressed  
691                    separately.

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693                    A)    Gasoline, including gasoline/ethanol blend fuels, if the annual  
694                    average throughput of the fuel dispensed is less than 120,000  
695                    gallons (rolling 12 month total).

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697                    B)    Distillate oil, including kerosene and diesel fuel, biodiesel and  
698                    biodiesel/distillate oil blends.

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700                    b)    The owner or operator of a CAAPP source is not required to individually list the  
701                    following activities in a CAAPP application pursuant to 35 Ill. Adm. Code 270.  
702                    The applicant shall denote whether any of the following activities are present at  
703                    the source in its CAAPP application:

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705                    1)    Air conditioning or ventilating equipment not designed to remove air  
706                    contaminants generated by or released from associated equipment;  
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708                    2)    Photographic process equipment by which an image is reproduced upon  
709                    material sensitized to radiant energy;  
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711                    3)    Equipment used for hydraulic or hydrostatic testing;  
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713                    4)    General vehicle maintenance and servicing activities at the source, other  
714                    than gasoline, including gasoline/ethanol blend fuels, distillate oil,  
715                    including kerosene and diesel fuel, biodiesel, and biodiesel/distillate oil  
716                    blends fuel handling and dispensing;  
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718                    5)    Cafeterias, kitchens, and other facilities used for preparing food or  
719                    beverages primarily for consumption at the source;  
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721                    6)    Equipment using water, water and soap or detergent, or a suspension of  
722                    abrasives in water for purposes of cleaning or finishing provided no  
723                    organic solvent has been added to the water;  
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725                    7)    Administrative activities including, but not limited to, paper shredding,  
726                    copying, photographic activities, and blueprinting machines. This does  
727                    not include incinerators;  
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729                    8)    Laundry dryers, extractors, and tumblers processing clothing, bedding, and  
730                    other fabric items used at the source that have been cleaned with water  
731                    solutions of bleach or detergents provided that any organic solvent present

- 732 in such items before processing that is retained from clean-up operations  
733 shall be addressed as part of the VOM emissions from use of cleaning  
734 materials;
- 735
- 736 9) Housekeeping activities for cleaning purposes, including collecting spilled  
737 and accumulated materials at the source, including operation of fixed  
738 vacuum cleaning systems specifically for such purposes, but not including  
739 use of cleaning materials that contain organic solvent;
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- 741 10) Refrigeration systems, including storage tanks used in refrigeration  
742 systems, but excluding any combustion equipment associated with such  
743 systems;
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- 745 11) Bench scale laboratory equipment and laboratory equipment used  
746 exclusively for chemical and physical analysis, including associated  
747 laboratory fume hoods, vacuum producing devices and control devices  
748 installed primarily to address potential accidental releases;
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- 750 12) Restroom facilities, and associated clean-up operations, and stacks or  
751 vents used to prevent the escape of sewer gases through plumbing traps;
- 752
- 753 13) Activities associated with the construction, on-site repair, maintenance or  
754 dismantlement of buildings, utility lines, pipelines, wells, excavations,  
755 earthworks and other structures that do not constitute emission units;
- 756
- 757 14) Storage tanks of organic liquids with a capacity of less than 500 gallons,  
758 provided the tank is not used for storage of any material listed as a  
759 hazardous air pollutant pursuant to ~~section~~Section 112(b) of the Clean Air  
760 Act;
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- 762 15) Piping and storage systems for natural gas, propane, and liquefied  
763 petroleum gas;
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- 765 16) Water treatment or storage systems, as follows:
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- 767 A) Systems for potable water or boiler feedwater;
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- 769 B) Systems, including cooling towers, for process water provided that  
770 such water has not been in direct or indirect contact with process  
771 streams that contain volatile organic material or materials listed as  
772 hazardous air pollutants pursuant to ~~section~~Section 112(b) of the  
773 Clean Air Act;
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- 17) Lawn care, landscape maintenance, and groundskeeping activities;
  - 18) Containers, reservoirs, or tanks used exclusively in dipping operations to coat objects with oils, waxes, or greases, provided no organic solvent has been mixed with such materials;
  - 19) Cold cleaning degreasers that are not in-line cleaning machines, where the vapor pressure of the solvents used never exceed 2 kPa (15 mmHg or 0.3 psi) measured at 38°C (100°F) or 0.7 kPa (5 mmHg or 0.1 psi) at 20°C (68°F);
  - 20) Manually operated equipment used for buffing, polishing, carving, cutting, drilling, machining, routing, sanding, sawing, scarfing, surface grinding or turning;
  - 21) Use of consumer products, including hazardous substances as that term is defined in the Federal Hazardous Substances Act (15 U.S.C. 1261 et seq.), where the product is used at a source in the same manner as normal consumer use;
  - 22) Activities directly used in the diagnosis and treatment of disease, injury or other medical condition;
  - 23) Firefighting activities and training in preparation for fighting fires conducted at the source;  
BOARD NOTE(Note: Open burning permits may be required for certain training activities.);
  - 24) Internal combustion engine or boiler (including the fuel system) of motor vehicles, locomotives, aircraft, watercraft, lifttrucks, and other vehicles powered by nonroad engines;
  - 25) Activities associated with the construction, repair or maintenance of roads or other paved or open areas, including operation of street sweepers, vacuum trucks, spray trucks and other vehicles related to the control of fugitive emissions of such roads or other areas;
  - 26) Storage and handling of drums or other transportable containers where the containers are sealed during storage and handling;
  - 27) Individual points of emission or activities as follows:
    - A) Individual flanges, valves, pump seals, pressure relief valves and

818 other individual components that have the potential for leaks;

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- B) Individual sampling points, analyzers, and process instrumentation, whose operation may result in emissions;
- C) Individual features of an emission unit such as each burner and sootblowers in a boiler or each use of cleaning materials on a coating or printing line;
- D) Individual equipment that is transportable or activities within a facility established for testing units prior to sale or distribution or for purposes of research; and
- E) Individual equipment or activities within a pilot plant facility that is used for research or training;

BOARD NOTE(Note: Notwithstanding the foregoing, such points of emissions or activities shall be addressed in a CAAPP application in sufficient detail to identify applicable requirements and demonstrate compliance with such requirements. Emission data for such activities shall be addressed in the aggregate for each emission unit or group of related emission units).

- 28) Activities at a source associated with the modification only or construction only of a facility, an emission unit or other equipment at the source; and BOARD NOTE(Note: Notwithstanding the status of this activity as insignificant, a particular activity that entails modification or construction of an emission unit or construction of air pollution control equipment may require a construction permit pursuant to Section 201.142 of this Part and may subsequently require a revised CAAPP permit. A revised CAAPP permit may also be necessary for operation of an emission unit after completion of a particular activity if the existing CAAPP permit does not accommodate the new state of the emission unit.)

- 29) Activities at a source associated with the maintenance, repair, or dismantlement of an emission unit or other equipment installed at the source, not including the shutdown of the unit or equipment, including preparation for maintenance, repair or dismantlement, and preparation for subsequent startup, including preparation of a shutdown vessel for entry, replacement of insulation, welding and cutting, and steam purging of a vessel prior to startup.

(Source: Amended at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

SUBPART K: RECORDS AND REPORTS

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**Section 201.302 Reports**

- a) The owner or operator of any emission unit or air pollution control equipment meeting the applicability criteria contained in 35 Ill. Adm. Code 254.102, unless specifically exempted in this Section, shall submit to the Agency, as a minimum, annual reports detailing the nature, specific emission units and total annual quantities of all specified air contaminant emissions; provided, however, that the Agency may require more frequent reports when~~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 Illinois Administrative Procedure Act~~APA~~.
- c) All emission data received by the Agency, shall be available for public inspection at reasonable times and upon reasonable notice.
- 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 this Part if applicable.~~

(Source: Amended at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

## POLLUTION CONTROL BOARD

## NOTICE OF PROPOSED AMENDMENTS

R13-18

- 1) Heading of the Part: Organic Material Emission Standards and Limitations for the Chicago Area
- 2) Code Citation: 35 Ill. Adm. Code 218
- 3) Section Numbers:      Proposed Action:  
 218.112                      Amend  
 218.583                      Amend  
 218.586                      Amend
- 4) Statutory Authority: Implementing Section 10 of the Environmental Protection Act [415 ILCS 5/10] and authorized by Sections 27 and 28 of the Environmental Protection Act [415 ILCS 5/27, 28]
- 5) A Complete Description of the Subjects and Issues Involved: This proposal will phase out the Stage II vapor recovery program applicable in the Chicago nonattainment area. As proposed, beginning January 1, 2014, new gasoline dispensing operations (those operating for the first time on or after January 1, 2014) are not subject to the Stage II vapor recovery equipment requirement of the rules of the Illinois Pollution Control Board (Board). Also, beginning January 1, 2014, existing affected gasoline dispensing operations (those operating at any time prior to January 1, 2014) may begin decommissioning Stage II vapor recovery equipment, but must complete decommissioning of all Stage II vapor recovery equipment no later than December 31, 2016. The proposal requires existing affected gasoline dispensing operations to comply with the Board's Stage II requirement until decommissioning is allowed and commenced in accordance with the rule. The proposal requires decommissioning to be performed in accordance with the Petroleum Equipment Institute's "Recommended Practices for Installation and Testing of Vapor-Recovery Systems at Vehicle-Fueling Sites," PEI/RP300-09, which the Board proposes to incorporate by reference at 35 Ill. Adm. Code 218.112. Also, the proposal requires decommissioning to be performed by contractors licensed/registered by the Office of the State Fire Marshal and the Illinois Department of Agriculture. Further, contractors must possess the appropriate dispenser-manufacturer certifications and training, if any. The proposal clarifies decommissioning testing requirements. Additionally, the proposal requires submission of decommissioning notifications, checklists, and certifications, and establishes recordkeeping requirements.

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 CLERK'S OFFICE  
 MAY 08 2013  
 STATE OF ILLINOIS  
 Pollution Control Board

The Board proposes to repeal the Stage I (storage tank filling at gasoline dispensing operations) (35 Ill. Adm. Code 218.583(e)) registration provision due to overlapping federal notification requirements and State tracking systems for gasoline dispensing operations. The available permit exemptions (currently conditioned upon registration)

## POLLUTION CONTROL BOARD

## NOTICE OF PROPOSED AMENDMENTS

provided by this Stage I registration provision as well as the Stage II registration provision (35 Ill. Adm. Code 218.586(h)) will be relocated to 35 Ill. Adm. Code 201 and will not require registration. The proposal makes other minor clarifications and clean-ups.

- 6) Published studies or reports, and sources of underlying data, used to compose this rulemaking:

Clean Air Act (42 USC 7401 *et seq.*)

40 CFR 63, Subpart CCCCCC (2012)

77 Fed. Reg. 28772 (May 16, 2012)

"Guidance on Removing Stage II Gasoline Vapor Control Programs from State Implementation Plans and Assessing Comparable Measures" (Aug. 7, 2012) (EPA-457/B12-001)

Petroleum Equipment Institute, "Recommended Practices for Installation and Testing of Vapor-Recovery Systems at Vehicle-Fueling Sites", PEI/RP300-09 (2009)

- 7) Will this rulemaking replace any emergency rulemaking currently in effect? No
- 8) Does this rulemaking contain an automatic repeal date? No
- 9) Does this rulemaking contain incorporations by reference? Yes
- 10) Are there any other proposed rulemakings pending on this Part? No
- 11) Statement of Statewide Policy Objectives: This proposed rulemaking does not create or enlarge a State mandate, as defined in Section 3(b) of the State Mandates Act. [30 ILCS 805/3(b)].
- 12) Time, Place, and Manner in which interested persons may comment on this proposed rulemaking: The Board will accept written public comments on this proposal for a period of at least 45 days after the date of publication in the *Illinois Register*. Public comments must be filed with the Clerk of the Board. Public comments may be filed at the following address:

John Therriault, Assistant Clerk

## POLLUTION CONTROL BOARD

## NOTICE OF PROPOSED AMENDMENTS

Pollution Control Board  
JRTC  
100 W. Randolph Street, Suite 11-500  
Chicago, IL 60601

Public comments may also be filed electronically through the Clerk's Office On-Line (COOL) on the Board's Web site at [www.ipcb.state.il.us](http://www.ipcb.state.il.us).

In addition, two public hearings will be held. The first hearing will take place in Springfield on May 8, 2013. The second hearing will take place in Chicago on June 5, 2013.

13) Initial Regulatory Flexibility Analysis:

- A) Types of small businesses, small municipalities and not for profit corporations affected: Any small business, small municipality, or not for profit corporation engaged in storage tank filling or fuel dispensing at gasoline dispensing operations located in the Chicago nonattainment area.
- B) Reporting, bookkeeping or other procedures required for compliance: Affected sources will be required to decommission existing Stage II vapor recovery equipment and maintain/submit records relating to decommissioning.
- C) Types of professional skills necessary for compliance: Decommissioning must be performed only by contractors that are licensed/registered through the Office of the State Fire Marshal and the Illinois Department of Agriculture. Contractors must possess the appropriate dispenser-manufacturer certification and training, if any.

14) Regulatory Agenda on which this rulemaking was summarized: January 2013

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

**1<sup>ST</sup> NOTICE VERSION**

JCAR350218-1306054r01

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

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Pollution Control Board

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

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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

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55 SUBPART E: SOLVENT CLEANING

- 56
- 57 Section
- 58 218.181 Solvent Cleaning Degreasing Operations
- 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
- 64 218.187 Other Industrial Solvent Cleaning Operations

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66 SUBPART F: COATING OPERATIONS

- 67
- 68 Section
- 69 218.204 Emission Limitations
- 70 218.205 Daily-Weighted Average Limitations
- 71 218.206 Solids Basis Calculation
- 72 218.207 Alternative Emission Limitations
- 73 218.208 Exemptions from Emission Limitations
- 74 218.209 Exemption from General Rule on Use of Organic Material
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- 80 218.214 Changing Compliance Methods
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- 82 218.216 Wood Furniture Coating Add-On Control Use
- 83 218.217 Wood Furniture Coating and Flat Wood Paneling Coating Work Practice  
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- 85 218.218 Work Practice Standards for Paper Coatings, Metal Furniture Coatings, and Large  
86 Appliance Coatings

87 218.219 Work Practice Standards for Automobile and Light-Duty Truck Assembly  
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102 218.402 Applicability  
103 218.403 Compliance Schedule  
104 218.404 Recordkeeping and Reporting  
105 218.405 Lithographic Printing: Applicability  
106 218.406 Provisions Applying to Heatset Web Offset Lithographic Printing Prior to March  
107 15, 1996 (Repealed)  
108 218.407 Emission Limitations and Control Requirements for Lithographic Printing Lines  
109 218.408 Compliance Schedule for Lithographic Printing On and After March 15, 1996  
110 (Repealed)  
111 218.409 Testing for Lithographic Printing  
112 218.410 Monitoring Requirements for Lithographic Printing  
113 218.411 Recordkeeping and Reporting for Lithographic Printing  
114 218.412 Letterpress Printing Lines: Applicability  
115 218.413 Emission Limitations and Control Requirements for Letterpress Printing Lines  
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117 218.416 Monitoring Requirements for Letterpress Printing Lines  
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177	218.484	In-Process Tanks
178	218.485	Leaks
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182	218.489	Recordkeeping for Air Pollution Control Equipment

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188	218.501	Control Requirements for Batch Operations
189	218.502	Determination of Uncontrolled Total Annual Mass Emissions and Average Flow Rate Values for Batch Operations
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197	218.522	Savings Clause
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262	218.644	Emissions Testing

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268	218.666	Control Requirements
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277	218.680	Applicability
278	218.686	Control Requirements
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 283                           SUBPART FF: BAKERY OVENS (REPEALED)

284		
285	Section	
286	218.720	Applicability (Repealed)
287	218.722	Control Requirements (Repealed)
288	218.726	Testing (Repealed)
289	218.727	Monitoring (Repealed)
290	218.728	Recordkeeping and Reporting (Repealed)
291	218.729	Compliance Date (Repealed)
292	218.730	Certification (Repealed)

293  
 294                           SUBPART GG: MARINE TERMINALS

295		
296	Section	
297	218.760	Applicability
298	218.762	Control Requirements
299	218.764	Compliance Certification
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307 218.780 Emission Limitations

308 218.782 Alternative Control Requirements

309 218.784 Equipment Specifications

310 218.786 Surface Preparation Materials

311 218.787 Work Practices

312 218.788 Testing

313 218.789 Monitoring and Recordkeeping for Control Devices

314 218.790 General Recordkeeping and Reporting (Repealed)

315 218.791 Compliance Date

316 218.792 Registration (Repealed)

317 218.875 Applicability of Subpart BB (Renumbered)

318 218.877 Emissions Limitation at Polystyrene Plants (Renumbered)

319 218.879 Compliance Date (Repealed)

320 218.881 Compliance Plan (Repealed)

321 218.883 Special Requirements for Compliance Plan (Repealed)

322 218.886 Emissions Testing (Renumbered)

323

324 SUBPART II: FIBERGLASS BOAT MANUFACTURING MATERIALS

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326 Section

327 218.890 Applicability

328 218.891 Emission Limitations and Control Requirements

329 218.892 Testing Requirements

330 218.894 Recordkeeping and Reporting Requirements

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332 SUBPART JJ: MISCELLANEOUS INDUSTRIAL ADHESIVES

333 Section

334 218.900 Applicability

335 218.901 Emission Limitations and Control Requirements

336 218.902 Testing Requirements

337 218.903 Monitoring Requirements

338 218.904 Recordkeeping and Reporting Requirements

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340 SUBPART PP: MISCELLANEOUS FABRICATED PRODUCT  
341 MANUFACTURING PROCESSES

342

343 Section

344 218.920 Applicability

345	218.923	Permit Conditions (Repealed)
346	218.926	Control Requirements
347	218.927	Compliance Schedule
348	218.928	Testing
349	218.929	Cementable and Dress or Performance Shoe Leather
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351		SUBPART QQ: MISCELLANEOUS FORMULATION
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355	218.940	Applicability
356	218.943	Permit Conditions (Repealed)
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359	218.948	Testing
360		
361		SUBPART RR: MISCELLANEOUS ORGANIC CHEMICAL
362		MANUFACTURING PROCESSES
363		
364		Section
365	218.960	Applicability
366	218.963	Permit Conditions (Repealed)
367	218.966	Control Requirements
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369	218.968	Testing
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371		SUBPART TT: OTHER EMISSION UNITS
372		
373		Section
374	218.980	Applicability
375	218.983	Permit Conditions (Repealed)
376	218.986	Control Requirements
377	218.987	Compliance Schedule
378	218.988	Testing
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380		SUBPART UU: RECORDKEEPING AND REPORTING
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382		Section
383	218.990	Exempt Emission Units
384	218.991	Subject Emission Units
385		
386	218.APPENDIX A	List of Chemicals Defining Synthetic Organic Chemical and Polymer
387		Manufacturing

388 218.APPENDIX B VOM Measurement Techniques for Capture Efficiency (Repealed)  
 389 218.APPENDIX C Reference Methods and Procedures  
 390 218.APPENDIX D Coefficients for the Total Resource Effectiveness Index (TRE) Equation  
 391 218.APPENDIX E List of Affected Marine Terminals  
 392 218.APPENDIX G TRE Index Measurements for SOCFI Reactors and Distillation Units  
 393 218.APPENDIX H Baseline VOM Content Limitations for Subpart F, Section 218.212  
 394 Cross-Line Averaging  
 395

396 **AUTHORITY:** Implementing Section 10 and authorized by Sections 27, 28, and 28.5 of the  
 397 Environmental Protection Act [415 ILCS 5/10, 27, 28, and 28.5].  
 398

399 **SOURCE:** Adopted at R91-7 at 15 Ill. Reg. 12231, effective August 16, 1991; amended in R91-  
 400 24 at 16 Ill. Reg. 13564, effective August 24, 1992; amended in R91-28 and R91-30 at 16 Ill.  
 401 Reg. 13864, effective August 24, 1992; amended in R93-9 at 17 Ill. Reg. 16636, effective  
 402 September 27, 1993; amended in R93-14 at 18 Ill. Reg. 1945, effective January 24, 1994;  
 403 amended in R94-12 at 18 Ill. Reg. 14973, effective September 21, 1994; amended in R94-15 at  
 404 18 Ill. Reg. 16392, effective October 25, 1994; amended in R94-16 at 18 Ill. Reg. 16950,  
 405 effective November 15, 1994; amended in R94-21, R94-31 and R94-32 at 19 Ill. Reg. 6848,  
 406 effective May 9, 1995; amended in R94-33 at 19 Ill. Reg. 7359, effective May 22, 1995;  
 407 amended in R96-13 at 20 Ill. Reg. 14428, effective October 17, 1996; amended in R97-24 at 21  
 408 Ill. Reg. 7708, effective June 9, 1997; amended in R97-31 at 22 Ill. Reg. 3556, effective  
 409 February 2, 1998; amended in R98-16 at 22 Ill. Reg. 14282, effective July 16, 1998; amended in  
 410 R02-20 at 27 Ill. Reg. 7283, effective April 8, 2003; amended in R04-12/20 at 30 Ill. Reg. 9684,  
 411 effective May 15, 2006; amended in R06-21 at 31 Ill. Reg. 7086, effective April 30, 2007;  
 412 amended in R08-8 at 32 Ill. Reg. 14874, effective August 26, 2008; amended in R10-10 at 34 Ill.  
 413 Reg. 5330, effective March 23, 2010; amended in R10-8 at 34 Ill. Reg. 9096, effective June 25,  
 414 2010; amended in R10-20 at 34 Ill. Reg. 14174, effective September 14, 2010; amended in R10-  
 415 8(A) at 35 Ill. Reg. 469, effective December 21, 2010; amended in R11-23 at 35 Ill. Reg. 13473,  
 416 effective July 27, 2011; amended in R11-23(A) at 35 Ill. Reg. 18813, effective October 25, 2011;  
 417 amended in R12-24 at 37 Ill. Reg. 1699, effective January 28, 2013; amended in R13-18 at 37 Ill.  
 418 Reg. \_\_\_\_\_, effective \_\_\_\_\_.  
 419

420 **SUBPART A: GENERAL PROVISIONS**  
 421

422 **Section 218.112 Incorporations by Reference**  
 423

424 The following materials are incorporated by reference and do not contain any subsequent  
 425 additions or amendments.  
 426

- 427 a) American Society for Testing and Materials, 100 Barr Harbor Drive, West  
 428 Conshohocken PA 19428-9555:
- 429 1) ASTM D 2879-86  
 430

- 431
- 432           2)     ASTM D 323-08
- 433
- 434           3)     ASTM D 86-82
- 435
- 436           4)     ASTM D 369-69 (1971)
- 437
- 438           5)     ASTM D 396-69
- 439
- 440           6)     ASTM D 2880-71
- 441
- 442           7)     ASTM D 975-68
- 443
- 444           8)     ASTM D 3925-81 (1985)
- 445
- 446           9)     ASTM E 300-86
- 447
- 448           10)    ASTM D 1475-85
- 449
- 450           11)    ASTM D 2369-87
- 451
- 452           12)    ASTM D 3792-86
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- 454           13)    ASTM D 4017-81 (1987)
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- 456           14)    ASTM D 4457-85
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- 458           15)    ASTM D 2697-86
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- 460           16)    ASTM D 3980-87
- 461
- 462           17)    ASTM E 180-85
- 463
- 464           18)    ASTM D 2372-85
- 465
- 466           19)    ASTM D 97-66
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- 468           20)    ASTM E 168-67 (1977)
- 469
- 470           21)    ASTM E 169-87
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- 472           22)    ASTM E 260-91
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- 474 23) ASTM D 2504-83  
 475  
 476 24) ASTM D 2382-83  
 477  
 478 25) ASTM D 2099-00  
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 480 b) Standard Industrial Classification Manual, published by Executive Office of the  
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 483 c) American Petroleum Institute Bulletin 2517, "Evaporation Loss From Floating  
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 485  
 486 d) 40 CFR 60 (July 1, 1991) and 40 CFR 60, ~~appendix~~Appendix A, Method 24 (57  
 487 FR 30654, July 10, 1992).  
 488  
 489 e) 40 CFR 61 (July 1, 1991).  
 490  
 491 f) 40 CFR 50 (July 1, 1991).  
 492  
 493 g) 40 CFR 51 (July 1, 1991) and 40 CFR 51, appendix M, Methods 204-204F (July 1,  
 494 1999).  
 495  
 496 h) 40 CFR 52 (July 1, 1991).  
 497  
 498 i) "A Guide for Surface Coating Calculation", July 1986, United States  
 499 Environmental Protection Agency, Washington, D.C., EPA-340/1-86-016.  
 500  
 501 j) "Procedures for Certifying Quantity of Volatile Organic Compounds Emitted by  
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 503 Protection Agency, Washington, D.C., EPA-450/3-84-019.  
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 505 k) "A Guide for Graphic Arts Calculations", August 1988, United States  
 506 Environmental Protection Agency, Washington, D.C., EPA-340/1-88-003.  
 507  
 508 l) "Protocol for Determining the Daily Volatile Organic Compound Emission Rate of  
 509 Automobile and Light-Duty Truck Topcoat Operations", December 1988, United  
 510 States Environmental Protection Agency, Washington, D.C., EPA-450/3-88-018.  
 511  
 512 m) "Control of Volatile Organic Emissions from Manufacturing of Synthesized  
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 514 Protection Agency, Washington, D.C., EPA-450/22-78-029.  
 515  
 516 n) "Control of Volatile Organic Compound Leaks from Gasoline Tank Trucks and

- 517 Vapor Collection Systems", December 1978, Appendix B, United States  
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 519
- 520 o) "Control of Volatile Organic Compound Emissions from Large Petroleum Dry  
 521 Cleaners", September 1982, United States Environmental Protection Agency,  
 522 Washington, D.C., EPA-450/3-82-009.  
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- 524 p) "APTI Course SI417 Controlling Volatile Organic Compound Emissions from  
 525 Leaking Process Equipment", 1982, United States Environmental Protection  
 526 Agency, Washington, D.C., EPA-450/2-82-015.  
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- 528 q) "Portable Instrument User's Manual for Monitoring VOC Sources", June 1986,  
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 530 86-015.  
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- 532 r) "Protocols for Generating Unit-Specific Emission Estimates for Equipment Leaks  
 533 of VOC and VHAP", October 1988, United States Environmental Protection  
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 535
- 536 s) "Petroleum Refinery Enforcement Manual", March 1980, United States  
 537 Environmental Protection Agency, Washington, D.C., EPA-340/1-80-008.  
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- 539 t) "Inspection Manual for Control of Volatile Organic Emissions from Gasoline  
 540 Marketing Operations: Appendix D", 1980, United States Environmental  
 541 Protection Agency, Washington, D.C., EPA-340/1-80-012.  
 542
- 543 u) "Control of Hydrocarbons from Tank Truck Gasoline Loading Terminals:  
 544 Appendix A", December 1977, United States Environmental Protection Agency,  
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 553 (October 1988, rev. November 1993) (CARB Manual).  
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- 555 x) South Coast Air Quality Management District (SCAQMD), Applied Science &  
 556 Technology Division, Laboratory Services Branch, SCAQMD Method 309-91,  
 557 Determination of Static Volatile Emissions (February 1993).  
 558
- 559 y) South Coast Air Quality Management District (SCAQMD), Applied Science &

- 560 Technology Division, Laboratory Services Branch, SCAQMD Method 312-91,  
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564 Quality Planning and Standards, United States Environmental Protection Agency,  
565 Research Triangle Park NC.  
566  
567 aa) Memorandum "Revised Capture Efficiency Guidance for Control of Volatile  
568 Organic Compound Emissions", February 1995, John S. Seitz, Director, Office of  
569 Air Quality Planning and Standards, United States Environmental Protection  
570 Agency.  
571  
572 bb) "Protocol for Determining the Daily Volatile Organic Compound Emission Rate  
573 of Automobile and Light-Duty Truck Primer-Surfacer and Topcoat Operations",  
574 September 2008, United States Environmental Protection Agency, Washington,  
575 D.C., EPA-453/R-08-002.  
576  
577 cc) 40 CFR 63, subpart PPPP, appendix A (2008).  
578  
579 dd) 46 CFR subchapter Q (2007).  
580  
581 ee) 46 CFR subchapter T (2008).  
582  
583 ff) Petroleum Equipment Institute, "Recommended Practices for Installation and  
584 Testing of Vapor-Recovery Systems at Vehicle-Fueling Sites", PEI/RP300-09  
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586  
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588

589 **SUBPART Y: GASOLINE DISTRIBUTION**  
590

591 **Section 218.583 Gasoline Dispensing Operations – Storage Tank Filling Operations**  
592

- 593 a) Subject to subsection (b)-below, no person shall cause or allow the transfer of  
594 gasoline from any delivery vessel into any stationary storage tank at a gasoline  
595 dispensing operation unless:  
596  
597 1) The tank is equipped with a submerged loading pipe; and  
598  
599 2) The vapors displaced from the storage tank during filling are processed by  
600 a vapor control system that includes one or more of the following:  
601  
602 A) A vapor collection system that meets the requirements of

603 subsection (d)(4)-below; or

- 604
- 605 B) A refrigeration-condensation system or any other system approved
- 606 by the Agency and approved by the USEPA as a SIP revision, that
- 607 recovers at least 90 percent by weight of all vaporized organic
- 608 material from the equipment being controlled; and
- 609
- 610 C) The delivery vessel displays the appropriate sticker pursuant to the
- 611 requirements of Section 218.584(b) or (d) of this Part; and
- 612
- 613 3) By March 15, 1995, all tank vent pipes are equipped with
- 614 pressure/vacuum relief valves with the following design specifications:
- 615
- 616 A) The pressure/vacuum relief valve shall be set to resist a pressure of
- 617 at least 3.5 inches water column and to resist a vacuum of no less
- 618 than 6.0 inches water column; or
- 619
- 620 B) The pressure/vacuum relief valve shall meet the requirements of
- 621 Section 218.586(c) of this Part; and
- 622
- 623 4) The owner or operator of a gasoline dispensing operation demonstrates
- 624 compliance with subsection (a)(3) of this Section, by March 15, 1995 or
- 625 30 days after installation of each pressure/vacuum relief valve, whichever
- 626 is later, and at least annually thereafter, by measuring and recording the
- 627 pressure indicated by a pressure/vacuum gauge at each tank vent pipe.
- 628 The test shall be performed on each tank vent pipe within two hours after
- 629 product delivery into the respective storage tank. For manifold tank vent
- 630 systems, observations at any point within the system shall be adequate.
- 631 The owner or operator shall maintain any records required by this
- 632 subsection for a period of three years.
- 633

634 b) The requirements of subsections (a)(2) and (a)(3)-above shall not apply to

635 transfers of gasoline to a stationary storage tank at a gasoline dispensing operation

636 if:

637

- 638 1) The tank is equipped with a floating roof, or other system of equal or
- 639 better emission control approved by the Agency and approved by the
- 640 USEPA as a SIP revision;
- 641
- 642 2) The tank has a capacity of less than 2000 gallons and was in place and
- 643 operating before January 1, 1979; or
- 644
- 645 3) The tank has a capacity of less than 575 gallons.

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- 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~~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.

- 689 e) Any retail gasoline dispensing operation subject to subsection (a) above, unless  
 690 subject to Section 218.586 of this Part, shall be exempt from the permit  
 691 requirements specified under 35 Ill. Adm. Code 201.142, 201.143, and 201.144  
 692 provided that:
- 693 1) The owner or operator of the gasoline dispensing operation submits to the  
 694 Agency a registration which provides, at a minimum, the operation name  
 695 and address, signature of the owner or operator, the location (including  
 696 contact person's name, address and telephone number) of records and  
 697 reports required by this Section, the number of underground tanks, the  
 698 number of tank pipe vents, and the date of completion of installation of the  
 699 vapor control system and pressure/vacuum relief valve.  
 700
  - 701 2) The registration is submitted to the Agency by March 15, 1995 or 30 days  
 702 after installation of a vapor control system or pressure/vacuum relief  
 703 valve, whichever is later.  
 704
  - 705 3) The registration certification is displayed at the gasoline dispensing  
 706 operation.  
 707
  - 708 4) Upon modification of an existing vapor control system or  
 709 pressure/vacuum relief valve, the owner or operator of the gasoline  
 710 dispensing operation submits to the Agency a registration that details the  
 711 changes to the information provided in the previous registration and which  
 712 includes the signature of the owner or operator. The registration must be  
 713 submitted to the Agency within 30 days after completion of such  
 714 modification.  
 715

716 (Source: Amended at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)  
 717

718  
 719 **Section 218.586 Gasoline Dispensing Operations – Motor Vehicle Fueling Operations**  
 720

- 721 a) Definitions. For the purposes of this Section, the following definitions apply.  
 722
- 723 1) Average monthly volume means the amount of motor vehicle fuel  
 724 dispensed per month from a gasoline dispensing operation based upon a  
 725 monthly average for the 2-year period of November, 1990 through  
 726 October, 1992 or, if not available, the monthly average for the most recent  
 727 twelve calendar months. Monthly averages are to include only those  
 728 months when the operation was operating.  
 729
  - 730 2) Certified means any vapor collection and control system which has been  
 731 tested and approved by CARB as having a vapor recovery and removal

- 732 efficiency of at least 95% (by weight) shall constitute a certified vapor  
 733 collection and control system. CARB testing and approval is pursuant to  
 734 the CARB manual, incorporated by reference at Section 218.112 of this  
 735 Part  
 736
- 737 3) Completion of installation means the successful passing of one or more of  
 738 the following tests applicable to the installed vapor collection and control  
 739 system: Dynamic Backpressure Test, Pressure Decay/Leak Test, and  
 740 Liquid Blockage Test, incorporated by reference at Section 218.112 of this  
 741 Part.  
 742
- 743 4) ~~Constructed means fabricated, erected or installed; refers to any facility,~~  
 744 ~~emission source or air pollution control equipment.~~  
 745
- 746 45) CARB means California Air Resources Board, P.O. Box 2815,  
 747 Sacramento, CA 95812.  
 748
- 749 56) Employee means any person who performs work for an employer.  
 750
- 751 67) Operation means any building, structure, installation, operation or  
 752 combination thereof located on contiguous properties and under common  
 753 ownership that provides for the dispensing of motor vehicle fuel.  
 754
- 755 78) Gasoline dispensing operation means any operation where motor vehicle  
 756 fuel is dispensed into motor vehicle fuel tanks or portable containers from  
 757 a storage tank with a capacity of 2176 liters (575 gallons) or more.  
 758
- 759 89) Modification means any change, removal or addition, other than an  
 760 identical replacement, of any component contained within the vapor  
 761 collection and control system.  
 762
- 763 910) Motor vehicle means any self-propelled vehicle powered by an internal  
 764 combustion engine including, but not limited to, automobiles and trucks.  
 765 Specifically excluded from this definition are watercraft and aircraft.  
 766
- 767 1011) Motor vehicle fuel means any petroleum distillate having a Reid vapor  
 768 pressure of more than 27.6 kilopascals (kPa) (four pounds per square inch)  
 769 and which is used to power motor vehicles.  
 770
- 771 1112) Owner or operator means any person who owns, leases, operates,  
 772 manages, supervises or controls (directly or indirectly) a gasoline  
 773 dispensing operation.  
 774

- 775            ~~1213~~) Reid vapor pressure for gasoline, shall be measured in accordance with  
 776            either the method ASTM D323 or a modification of ASTM D323 known  
 777            as the "dry method" as set forth in 40 CFR 80, ~~appendix~~Appendix E,  
 778            incorporated by references in ~~Section~~35 III. Adm. Code 218.112 of this  
 779            Part.  
 780
- 781            ~~1314~~) Vapor collection and control system means any system certified by CARB  
 782            which limits the discharge to the atmosphere of motor vehicle fuel vapors  
 783            displaced during the dispensing of motor vehicle fuel into motor vehicle  
 784            fuel tanks.  
 785
- 786            b)    Applicability. The provisions of subsection (c)~~below~~ shall apply to any gasoline  
 787            dispensing operation which dispenses an average monthly volume of more than  
 788            10,000 gallons of motor vehicle fuel per month. Compliance shall be required  
 789            and demonstrated in accordance with the schedule provided in subsection (d)  
 790            below.  
 791
- 792            c)    Vapor Collection and Control Systems. No owner or operator of a gasoline  
 793            dispensing operation subject to the requirements of subsection (b)~~above~~ shall  
 794            cause or allow the dispensing of motor vehicle fuel at any time from a motor fuel  
 795            dispenser unless the dispenser is equipped with and utilizes a vapor collection and  
 796            control system which is properly installed and operated as provided in this  
 797            subsection (c)below:  
 798
- 799            1)    Any vapor collection and control system installed, used or maintained has  
 800            been CARB certified.
  - 801
  - 802            2)    Any vapor collection and control system utilized is maintained in  
 803            accordance with the manufacturer's specifications and the certification.
  - 804
  - 805            3)    No elements or components of a vapor collection and control system are  
 806            modified, removed, replaced or otherwise rendered inoperative in a  
 807            manner which prevents the system from performing in accordance with its  
 808            certification and design specifications.
  - 809
  - 810            4)    A vapor collection and control system has no defective, malfunctioning or  
 811            missing components.
  - 812
  - 813            5)    Operators and employees of the gasoline dispensing operation are trained  
 814            and instructed in the proper operation and maintenance of a vapor  
 815            collection and control system.
  - 816
  - 817            6)    Instructions are posted in a conspicuous and visible place within the motor

818 fuel dispensing area and describe the proper method of dispensing motor  
 819 vehicle fuel with the use of the vapor collection and control system.  
 820

821 d) Compliance. In conjunction with the compliance provisions of Section 218.105  
 822 of this Part, gasoline dispensing operations subject to the requirements of  
 823 subsection (c) ~~above~~ shall comply and demonstrate compliance according to the  
 824 following:  
 825

826 1) Gasoline dispensing operations that operate at any time prior to January 1,  
 827 2014 shall comply with subsection (c) until decommissioning is allowed  
 828 and commenced in accordance with subsections (i)(1) and (i)(2)(B).  
 829

830 2) The provisions of subsection (c) shall not apply to any new gasoline  
 831 dispensing operation that commences operating for the first time on or  
 832 after January 1, 2014.  
 833

834 1) ~~Operations that commenced construction after November 1, 1990, must~~  
 835 ~~comply by May 1, 1993.~~  
 836

837 2) ~~Operations that commenced construction before November 1, 1990, and~~  
 838 ~~dispense an average monthly volume of more than 100,000 gallons of~~  
 839 ~~motor fuel per month must comply by November 1, 1993.~~  
 840

841 3) ~~Operations that commenced construction before November 1, 1990, and~~  
 842 ~~dispense an average monthly volume of less than 100,000 gallons of motor~~  
 843 ~~fuel per month must comply by November 1, 1994.~~  
 844

845 4) ~~New operations constructed after the adoption of this Section shall comply~~  
 846 ~~with the requirements of subsection (c) above upon startup of the~~  
 847 ~~operation.~~  
 848

849 5) ~~Existing operations previously exempted from, but which become subject~~  
 850 ~~to, the requirements of subsection (c) above after May 1, 1993 shall~~  
 851 ~~comply with the requirements of subsection (c) above within six calendar~~  
 852 ~~months of the date from which the operation becomes subject.~~  
 853

854 e) Except as provided in subsection (d), anyAny gasoline dispensing operation that  
 855 becomes subject to the provisions of subsection (c)~~above~~ at any time shall remain  
 856 subject to the provisions of subsection (c)~~above~~ at all times.  
 857

858 f) Upon request by the Agency, the owner or operator of a gasoline dispensing  
 859 operation which claims to be exempt from the requirements of subsection (c) ~~this~~  
 860 ~~Section~~ shall submit records to the Agency within 30 calendar days from the date

861 of the request which demonstrate that the gasoline dispensing operation is in fact  
862 exempt.

863 g) Recordkeeping and ~~Reporting~~~~reporting~~:

864 1) Any gasoline dispensing operation subject to subsection (c)~~-above~~ shall  
865 retain at the operation copies of the registration information required at  
866 subsection (h)~~-below~~.

867 2) Except as provided in subsection (g)(4), records~~Records~~ and reports  
868 required pursuant to this subsection (g) shall be made available to the  
869 Agency upon request.

870 3) Records and reports, which shall be maintained by the owner or operator  
871 at ~~a of the~~ gasoline dispensing operation subject to subsection (c), shall  
872 clearly demonstrate:

873 A) That a certified vapor collection and control system has been  
874 installed and tested to verify its performance according to its  
875 specifications.

876 B) That proper maintenance has been conducted in accordance with  
877 the manufacturer's specifications and requirements.

878 C) The time period and duration of all malfunctions of the vapor  
879 collection and control system.

880 D) The motor vehicle fuel throughput of the operation for each  
881 calendar month of the previous year.

882 E) That operators and employees are trained and instructed in the  
883 proper operation and maintenance of the vapor collection and  
884 control system and informed as to the potential penalties associated  
885 with the violation of any provision of this Section.

886 4) Any and all records relating to decommissioning shall be maintained by  
887 the owner or operator of a gasoline dispensing operation for a period of 5  
888 years after completion of decommissioning in accordance with subsection  
889 (i). For purposes of this subsection (g)(4), "records" include, but are not  
890 limited to, any documents, papers, reports, test results, logs, invoices,  
891 forms, certifications and receipts that relate to decommissioning. Records  
892 relating to decommissioning shall be made available to the Agency or its  
893 designee within 30 minutes after the Agency's, or its designee's, request.  
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h) Any gasoline dispensing operation subject to subsection (c) ~~above shall comply with the following registration requirements~~ shall be exempt from the permit requirements specified under 35 Ill. Adm. Code 201.142, 201.143 and 201.144 for its vapor collection and control systems, provided that:

- 1) Upon the installation of a vapor collection and control system, the owner or operator of the gasoline dispensing operation ~~shall submit~~ submits to the Agency a registration which provides at minimum the operation name and address, signature of the owner or operator, the CARB Executive Order Number for the vapor collection and control system to be utilized, the number of nozzles (excluding diesel or kerosene) used for motor vehicle refueling, the monthly average volume of motor vehicle fuel dispensed, the location (including contact person's name, address, and telephone number) of records and reports required by this Section, and the date of completion of installation of the vapor collection and control system.
- 2) The registration ~~shall be~~ is submitted to the Agency within 30 days ~~after~~ of completion of ~~the~~ such installation.
- 3) A copy of the registration information ~~shall be~~ is maintained at the gasoline dispensing operation.
- 4) Upon the modification of an existing vapor collection and control system, the owner or operator of the gasoline dispensing operation ~~shall submit~~ submits to the Agency a registration that details the changes to the information provided in the previous registration of the vapor collection and control system and which includes the signature of the owner or operator. The registration must be submitted to the Agency within 30 days ~~after~~ of completion of ~~the~~ such modification.

i) Decommissioning. The owner or operator of a gasoline dispensing operation subject at any time to subsection (c) shall decommission vapor collection and control systems in accordance with the provisions of this subsection (i).

1) Compliance

A) Beginning January 1, 2014, an owner or operator of a gasoline dispensing operation may commence decommissioning of vapor collection and control systems. The decommissioning of vapor collection and control systems must be conducted in accordance with all of the provisions specified in subsection (i)(2).

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- B) No later than December 31, 2016, an owner or operator of a gasoline dispensing operation shall complete the decommissioning of all vapor collection and control systems in accordance with all of the provisions specified in subsection (i)(2).
  - 2) Decommissioning Procedures and Standards. The decommissioning of vapor collection and control systems shall be conducted as follows:
    - A) The owner or operator of a gasoline dispensing operation shall complete and submit a notice of intent form, provided by the Agency, notifying the Agency of its intent to decommission. The completed notice of intent form shall be submitted to the Agency at least 10 days prior to commencing decommissioning in accordance with subsection (i)(2)(B);
    - B) The owner or operator of a gasoline dispensing operation shall decommission vapor collection and control systems in accordance with all of the procedures specified in Section 14.6, except Section 14.6.14, of the Petroleum Equipment Institute's "Recommended Practices for Installation and Testing of Vapor-Recovery Systems at Vehicle-Fueling Sites". In addition to Section 14.6 of the PEI, the following requirements apply to decommissioning:
      - i) All decommissioning procedures, except testing, shall be performed only by a contractor who is both registered with the Illinois Department of Agriculture, Bureau of Weights and Measures, in the 3-A Gasoline Pump Meters Code pursuant to Section 8.1 of the Weights and Measures Act [225 ILCS 470/8.1] and licensed by the Office of the State Fire Marshal (OSFM) in the installation/retrofitting licensure module pursuant to the Petroleum Equipment Contractors Licensing Act [225 ILCS 729] and implementing regulations at 41 Ill. Adm. Code 172. Any such contractor shall also have the appropriate dispenser-manufacturer certification and training, if any. In the event that product piping must be broken or an OSFM permit otherwise required for any component of the work, the contractor shall ensure that the OSFM-permitted work is performed by the appropriate OSFM-licensed contractor and personnel;
      - ii) Decommissioning procedures related to testing shall be performed only by a contractor who is licensed by OSFM

990 in the tank tightness testing licensure module pursuant to  
991 the Petroleum Equipment Contractors Licensing Act and  
992 implementing regulations at 41 Ill. Adm. Code 172; and  
993

994 iii) The pressure decay test required by the PEI shall be passed  
995 in accordance with Appendix A of the PEI. The tie-tank  
996 test required by the PEI shall be conducted and passed in  
997 accordance with CARB TP201.3C to ensure that all tanks  
998 are properly vented; and  
999

1000 C) The owner or operator of a gasoline dispensing operation and the  
1001 contractors that performed the decommissioning shall complete  
1002 and sign a decommissioning checklist and certification, provided  
1003 by the Agency, documenting the decommissioning procedures  
1004 performed. Within 30 days after completion of the  
1005 decommissioning procedures specified by subsection (i)(2)(B), the  
1006 owner or operator shall provide the completed checklist and  
1007 certification and the test results to the Agency.  
1008

1009 (Source: Amended at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

## POLLUTION CONTROL BOARD

## NOTICE OF PROPOSED AMENDMENTS

R13-18

1) Heading of the Part: Organic Material Emission Standards and Limitations for the Metro East Area

2) Code Citation: 35 Ill. Adm. Code 219

<u>Section Numbers:</u>	<u>Proposed Action:</u>
219.105	Amend
219.112	Amend
219.583	Amend

**RECEIVED**  
CLERK'S OFFICE  
MAY 08 2013  
STATE OF ILLINOIS  
Pollution Control Board

4) Statutory Authority: Implementing Section 10 of the Environmental Protection Act [415 ILCS 5/10] and authorized by Sections 27 and 28 of the Environmental Protection Act [415 ILCS 5/27, 28]

5) A Complete Description of the Subjects and Issues Involved: This proposal repeals, as a matter of clean-up, State II vapor recovery test methods and a Stage II vapor recovery guidance document because the Stage II vapor recovery rule/program in the Metro-East nonattainment area was repealed in 1994. In addition, this proposal repeals the Stage I vapor recovery registration provision (35 Ill. Adm. Code 219.583(e)) due to overlapping federal notification requirements and other State tracking systems for gasoline dispensing operations. The available permit exemption (currently conditioned upon registration) provided by this Stage I registration provision will be relocated to 35 Ill. Adm. Code 201 and will not require registration.

6) Published studies or reports, and sources of underlying data, used to compose this rulemaking:

Clean Air Act (42 USC 7401 *et seq.*)

40 CFR 63, Subpart CCCCCC (2012)

7) Will this proposed rulemaking replace any emergency rule currently in effect? No

8) Does this rulemaking contain an automatic repeal date? No

9) Does this proposed rulemaking contain incorporations by reference? Yes

10) Are there any other proposed amendments pending on this Part? No

11) Statement of Statewide Policy Objectives: This proposed rulemaking does not create or

## POLLUTION CONTROL BOARD

## NOTICE OF PROPOSED AMENDMENTS

enlarge a State mandate, as defined in Section 3(b) of the State Mandates Act. [30 ILCS 805/3(b)].

- 12) Time, Place, and Manner in which interested persons may comment on this proposed rulemaking: The Board will accept written public comments on this proposal for a period of at least 45 days after the date of publication in the *Illinois Register*. Public comments must be filed with the Clerk of the Board. Public comments may be filed at the following address:

John Therriault, Assistant Clerk  
Pollution Control Board  
JRTC  
100 W. Randolph Street, Suite 11-500  
Chicago, IL 60601  
312/819-3620

Public comments may also be filed electronically through the Clerk's Office On-Line (COOL) on the Board's Web site at [www.ipcb.state.il.us](http://www.ipcb.state.il.us).

In addition, two public hearings will be held. The first hearing will take place in Springfield on May 8, 2013. The second hearing will take place in Chicago on June 5, 2013.

- 13) Initial Regulatory Flexibility Analysis:
- A) Types of small businesses, small municipalities and not for profit corporations affected: Any small business, small municipality, or not for profit corporation engaged in storage tank filling at gasoline dispensing operations located in the Metro-East nonattainment area.
  - B) Reporting, bookkeeping or other procedures required for compliance: This proposal repeals the Stage I registration provision.
  - C) Types of professional skills necessary for compliance: None.
- 14) Regulatory Agenda on which this rulemaking was summarized: January 2013

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

# 1<sup>ST</sup> NOTICE VERSION

JCAR350219-1306083r01

1 TITLE 35: ENVIRONMENTAL PROTECTION  
2 SUBTITLE B: AIR POLLUTION  
3 CHAPTER I: POLLUTION CONTROL BOARD  
4 SUBCHAPTER c: EMISSIONS STANDARDS AND LIMITATIONS  
5 FOR STATIONARY SOURCES  
6

7 PART 219  
8 ORGANIC MATERIAL EMISSION STANDARDS AND LIMITATIONS  
9 FOR THE METRO EAST AREA  
10

11 SUBPART A: GENERAL PROVISIONS  
12

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14	219.100	Introduction
15	219.101	Savings Clause
16	219.102	Abbreviations and Conversion Factors
17	219.103	Applicability
18	219.104	Definitions
19	219.105	Test Methods and Procedures
20	219.106	Compliance Dates
21	219.107	Operation of Afterburners
22	219.108	Exemptions, Variations, and Alternative Means of Control or Compliance
23		Determinations
24	219.109	Vapor Pressure of Volatile Organic Liquids
25	219.110	Vapor Pressure of Organic Material or Solvent
26	219.111	Vapor Pressure of Volatile Organic Material
27	219.112	Incorporations by Reference
28	219.113	Monitoring for Negligibly-Reactive Compounds
29		

30 SUBPART B: ORGANIC EMISSIONS FROM STORAGE AND LOADING OPERATIONS  
31

32	Section	
33	219.119	Applicability for VOL
34	219.120	Control Requirements for Storage Containers of VOL
35	219.121	Storage Containers of VPL
36	219.122	Loading Operations
37	219.123	Petroleum Liquid Storage Tanks
38	219.124	External Floating Roofs
39	219.125	Compliance Dates
40	219.126	Compliance Plan (Repealed)
41	219.127	Testing VOL Operations
42	219.128	Monitoring VOL Operations
43	219.129	Recordkeeping and Reporting for VOL Operations

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45           SUBPART C: ORGANIC EMISSIONS FROM MISCELLANEOUS EQUIPMENT  
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- 47    Section  
48    219.141    Separation Operations  
49    219.142    Pumps and Compressors  
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54

- 55    Section  
56    219.181    Solvent Cleaning Degreasing Operations  
57    219.182    Cold Cleaning  
58    219.183    Open Top Vapor Degreasing  
59    219.184    Conveyorized Degreasing  
60    219.185    Compliance Schedule (Repealed)  
61    219.186    Test Methods  
62    219.187    Other Industrial Solvent Cleaning Operations

63  
64                                    SUBPART F: COATING OPERATIONS  
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67    219.204    Emission Limitations  
68    219.205    Daily-Weighted Average Limitations  
69    219.206    Solids Basis Calculation  
70    219.207    Alternative Emission Limitations  
71    219.208    Exemptions From Emission Limitations  
72    219.209    Exemption From General Rule on Use of Organic Material  
73    219.210    Compliance Schedule  
74    219.211    Recordkeeping and Reporting  
75    219.212    Cross-Line Averaging to Establish Compliance for Coating Lines  
76    219.213    Recordkeeping and Reporting for Cross-Line Averaging Participating Coating  
77                                    Lines  
78    219.214    Changing Compliance Methods  
79    219.215    Wood Furniture Coating Averaging Approach  
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81    219.217    Wood Furniture Coating and Flat Wood Paneling Coating Work Practice  
82                                    Standards  
83    219.218    Work Practice Standards for Paper Coatings, Metal Furniture Coatings, and Large  
84                                    Appliance Coatings  
85    219.219    Work Practice Standards for Automobile and Light-Duty Truck Assembly  
86                                    Coatings and Miscellaneous Metal and Plastic Parts Coatings

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SUBPART G: USE OF ORGANIC MATERIAL

89

90 Section

91 219.301

Use of Organic Material

92 219.302

Alternative Standard

93 219.303

Fuel Combustion Emission Units

94 219.304

Operations with Compliance Program

95

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SUBPART H: PRINTING AND PUBLISHING

97

98 Section

99 219.401

Flexographic and Rotogravure Printing

100 219.402

Applicability

101 219.403

Compliance Schedule

102 219.404

Recordkeeping and Reporting

103 219.405

Lithographic Printing: Applicability

104 219.406

Provisions Applying to Heatset Web Offset Lithographic Printing Prior to March 15, 1996 (Repealed)

105

106 219.407

Emission Limitations and Control Requirements for Lithographic Printing Lines

107 219.408

Compliance Schedule for Lithographic Printing On and After March 15, 1996 (Repealed)

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109 219.409

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110 219.410

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112 219.412

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113 219.413

Emission Limitations and Control Requirements for Letterpress Printing Lines

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Testing for Letterpress Printing Lines

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Monitoring Requirements for Letterpress Printing Lines

116 219.417

Recordkeeping and Reporting for Letterpress Printing Lines

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POLYMER MANUFACTURING PLANT

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121 Section

122 219.421

General Requirements

123 219.422

Inspection Program Plan for Leaks

124 219.423

Inspection Program for Leaks

125 219.424

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126 219.425

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129 219.428

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130	219.429	Standards for Control Devices
131	219.430	Compliance Date (Repealed)
132	219.431	Applicability
133	219.432	Control Requirements
134	219.433	Performance and Testing Requirements
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136	219.435	Recordkeeping and Reporting Requirements
137	219.436	Compliance Date

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 140                                   RELATED INDUSTRIES; ASPHALT MATERIALS

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143	219.441	Petroleum Refinery Waste Gas Disposal
144	219.442	Vacuum Producing Systems
145	219.443	Wastewater (Oil/Water) Separator
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147	219.445	Leaks: General Requirements
148	219.446	Monitoring Program Plan for Leaks
149	219.447	Monitoring Program for Leaks
150	219.448	Recordkeeping for Leaks
151	219.449	Reporting for Leaks
152	219.450	Alternative Program for Leaks
153	219.451	Sealing Device Requirements
154	219.452	Compliance Schedule for Leaks
155	219.453	Compliance Dates (Repealed)

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162	219.463	Alternative Emission Reduction Systems
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164	219.465	Compliance Dates (Repealed)
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171	219.481	Control of Reactors, Distillation Units, Crystallizers, Centrifuges and Vacuum Dryers

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173	219.482	Control of Air Dryers, Production Equipment Exhaust Systems and Filters
174	219.483	Material Storage and Transfer
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179	219.488	Monitoring for Air Pollution Control Equipment
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192	219.506	Compliance Date
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194	219.521	Definitions (Repealed)
195	219.522	Savings Clause
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206  
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208		
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267	219.726	Testing (Repealed)
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269	219.728	Recordkeeping and Reporting (Repealed)
270	219.729	Compliance Date (Repealed)
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299	219.881	Compliance Plan (Repealed)
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301	219.886	Emissions Testing (Renumbered)

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303		SUBPART II: FIBERGLASS BOAT MANUFACTURING MATERIALS
304		
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307	219.891	Emission Limitations and Control Requirements
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312		
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314	219.900	Applicability
315	219.901	Emission Limitations and Control Requirements
316	219.902	Testing Requirements
317	219.903	Monitoring Requirements
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320		SUBPART PP: MISCELLANEOUS FABRICATED PRODUCT
321		MANUFACTURING PROCESSES
322		
323	Section	
324	219.920	Applicability
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326	219.926	Control Requirements
327	219.927	Compliance Schedule
328	219.928	Testing
329		
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331		MANUFACTURING PROCESSES
332		
333	Section	
334	219.940	Applicability
335	219.943	Permit Conditions
336	219.946	Control Requirements
337	219.947	Compliance Schedule
338	219.948	Testing
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341		MANUFACTURING PROCESSES
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343	Section	
344	219.960	Applicability

- 345 219.963 Permit Conditions
- 346 219.966 Control Requirements
- 347 219.967 Compliance Schedule
- 348 219.968 Testing

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SUBPART TT: OTHER EMISSION UNITS

- 352 Section
- 353 219.980 Applicability
- 354 219.983 Permit Conditions
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- 356 219.987 Compliance Schedule
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SUBPART UU: RECORDKEEPING AND REPORTING

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- 361 Section
- 362 219.990 Exempt Emission Units
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- 365 219.APPENDIX A List of Chemicals Defining Synthetic Organic Chemical and Polymer Manufacturing
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- 367 219.APPENDIX B VOM Measurement Techniques for Capture Efficiency (Repealed)
- 368 219.APPENDIX C Reference Methods and Procedures
- 369 219.APPENDIX D Coefficients for the Total Resource Effectiveness Index (TRE) Equation
- 370 219.APPENDIX E List of Affected Marine Terminals
- 371 219.APPENDIX G TRE Index Measurements for SOCOMI Reactors and Distillation Units
- 372 219.APPENDIX H Baseline VOM Content Limitations for Subpart F, Section 219.212 Cross-Line Averaging
- 373

374

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

377

378 SOURCE: Adopted in R91-8 at 15 Ill. Reg. 12491, effective August 16, 1991; amended in R91-  
379 24 at 16 Ill. Reg. 13597, effective August 24, 1992; amended in R91-30 at 16 Ill. Reg. 13883,  
380 effective August 24, 1992; emergency amendment in R93-12 at 17 Ill. Reg. 8295, effective May  
381 24, 1993, for a maximum of 150 days; amended in R93-9 at 17 Ill. Reg. 16918, effective  
382 September 27, 1993 and October 21, 1993; amended in R93-28 at 18 Ill. Reg. 4242, effective  
383 March 3, 1994; amended in R94-12 at 18 Ill. Reg. 14987, effective September 21, 1994;  
384 amended in R94-15 at 18 Ill. Reg. 16415, effective October 25, 1994; amended in R94-16 at 18  
385 Ill. Reg. 16980, effective November 15, 1994; emergency amendment in R95-10 at 19 Ill. Reg.  
386 3059, effective February 28, 1995, for a maximum of 150 days; amended in R94-21, R94-31 and  
387 R94-32 at 19 Ill. Reg. 6958, effective May 9, 1995; amended in R94-33 at 19 Ill. Reg. 7385,

388 effective May 22, 1995; amended in R96-2 at 20 Ill. Reg. 3848, effective February 15, 1996;  
 389 amended in R96-13 at 20 Ill. Reg. 14462, effective October 28, 1996; amended in R97-24 at 21  
 390 Ill. Reg. 7721, effective June 9, 1997; amended in R97-31 at 22 Ill. Reg. 3517, effective  
 391 February 2, 1998; amended in R04-12/20 at 30 Ill. Reg. 9799, effective May 15, 2006; amended  
 392 in R06-21 at 31 Ill. Reg. 7110, effective April 30, 2007; amended in R10-10 at 34 Ill. Reg. 5392,  
 393 effective March 23, 2010; amended in R10-8 at 34 Ill. Reg. 9253, effective June 25, 2010;  
 394 amended in R10-20 at 34 Ill. Reg. 14326, effective September 14, 2010; amended in R10-8(A) at  
 395 35 Ill. Reg. 496, effective December 21, 2010; amended in R11-23 at 35 Ill. Reg. 13676,  
 396 effective July 27, 2011; amended in R11-23(A) at 35 Ill. Reg. 18830, effective October 25, 2011;  
 397 amended in R12-24 at 37 Ill. Reg. 1722, effective January 28, 2013; amended in R13-18 at 37 Ill.  
 398 Reg. \_\_\_\_\_, effective \_\_\_\_\_.

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 400 **SUBPART A: GENERAL PROVISIONS**

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 402 **Section 219.105 Test Methods and Procedures**

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 404 a) **Coatings, Inks and Fountain Solutions**

405 The following test methods and procedures shall be used to determine compliance  
 406 of as applied coatings, inks, and fountain solutions with the limitations set forth in  
 407 this Part.

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 409 1) **Sampling:** Samples collected for analyses shall be one-liter taken into a  
 410 one-liter container at a location and time such that the sample will be  
 411 representative of the coating as applied (i.e., the sample shall include any  
 412 dilution solvent or other VOM added during the manufacturing process).  
 413 The container must be tightly sealed immediately after the sample is taken.  
 414 Any solvent or other VOM added after the sample is taken must be  
 415 measured and accounted for in the calculations in subsection (a)(3) of this  
 416 Section. For multiple package coatings, separate samples of each  
 417 component shall be obtained. A mixed sample shall not be obtained as it  
 418 will cure in the container. Sampling procedures shall follow the  
 419 guidelines presented in:

420  
 421 A) ASTM D 3925-81 (1985) standard practice for sampling liquid  
 422 paints and related pigment coating. This practice is incorporated  
 423 by reference in Section 219.112 of this Part.

424  
 425 B) ASTM E 300-86 standard practice for sampling industrial  
 426 chemicals. This practice is incorporated by reference in Section  
 427 219.112 of this Part.

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 429 2) **Analyses:** The applicable analytical methods specified below shall be  
 430 used to determine the composition of coatings, inks, or fountain solutions

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- as applied.
- A) Method 24 of 40 CFR 60, appendix A, incorporated by reference in Section 219.112 of this Part, shall be used to determine the VOM content and density of coatings. If it is demonstrated to the satisfaction of the Agency and the USEPA that plant coating formulation data are equivalent to Method 24 results, formulation data may be used. In the event of any inconsistency between a Method 24 test and a facility's formulation data, the Method 24 test will govern.
  - B) Method 24A of 40 CFR 60, appendix ~~Appendix A~~, incorporated by reference in Section 219.112, shall be used to determine the VOM content and density of rotogravure printing inks and related coatings. If it is demonstrated to the satisfaction of the Agency and USEPA that the plant coating formulation data are equivalent to Method 24A results, formulation data may be used. In the event of any inconsistency between a Method 24A test and formulation data, the Method 24A test will govern.
  - C) The following ASTM methods are the analytical procedures for determining VOM:
    - i) ASTM D 1475-85: Standard test method for density of paint, varnish, lacquer and related products. This test method is incorporated by reference in Section 219.112 of this Part.
    - ii) ASTM D 2369-87: Standard test method for volatile content of a coating. This test method is incorporated by reference in Section 219.112 of this Part.
    - iii) ASTM D 3792-86: Standard test method for water content of water-reducible paints by direct injection into a gas chromatograph. This test method is incorporated by reference in Section 219.112 of this Part.
    - iv) ASTM D 4017-81 (1987): Standard test method for water content in paints and paint materials by the Karl Fischer method. This test method is incorporated by reference in Section 219.112 of this Part.
    - v) ASTM D 4457-85: Standard test method for determination

of dichloromethane and 1,1,1, trichloroethane in paints and coatings by direct injection into a gas chromatograph. (The procedure delineated above can be used to develop protocols for any compounds specifically exempted from the definition of VOM.) This test method is incorporated by reference in Section 219.112 of this Part.

- vi) ASTM D 2697-86: Standard test method for volume non-volatile matter in clear or pigmented coatings. This test method is incorporated by reference in Section 219.112 of this Part.
- vii) ASTM D 3980-87: Standard practice for interlaboratory testing of paint and related materials. This practice is incorporated by reference in Section 219.112 of this Part.
- viii) ASTM E 180-85: Standard practice for determining the precision of ASTM methods for analysis of and testing of industrial chemicals. This practice is incorporated by reference in Section 219.112 of this Part.
- ix) ASTM D 2372-85: Standard method of separation of vehicle from solvent-reducible paints. This method is incorporated by reference in Section 219.112 of this Part.

D) Use of an adaptation to any of the analytical methods specified in subsections (a)(2)(A), (B), and (C) of this Section may not be used unless approved by the Agency and USEPA. An owner or operator must submit sufficient documentation for the Agency and USEPA to find that the analytical methods specified in subsections (a)(2)(A), (B), and (C) of this Section will yield inaccurate results and that the proposed adaptation is appropriate.

3) Calculations: Calculations for determining the VOM content, water content and the content of any compounds which are specifically exempted from the definition of VOM of coatings, inks and fountain solutions as applied shall follow the guidance provided in the following documents:

- A) "A Guide for Surface Coating Calculation", EPA-340/1-86-016, incorporated by reference in Section 219.112 of this Part.
- B) "Procedures for Certifying Quantity of Volatile Organic

517 Compounds Emitted by Paint, Ink and Other Coatings" (revised  
518 June 1986), EPA-450/3-84-019, incorporated by reference in  
519 Section 219.112 of this Part.  
520

521 C) "A Guide for Graphic Arts Calculations", August 1988, EPA-  
522 340/1-88-003, incorporated by reference in Section 219.112 of this  
523 Part.  
524

525 b) Automobile or Light-Duty Truck Test Protocol  
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527 1) The protocol for testing, including determining the transfer efficiency of  
528 coating applicators, at primer surfacer operations and topcoat operations at  
529 an automobile or light-duty truck assembly source shall follow the  
530 procedures in the following:  
531

532 A) Prior to May 1, 2012: "Protocol for Determining the Daily  
533 Volatile Organic Compound Emission Rate of Automobile and  
534 Light-Duty Truck Topcoat Operations" ("topcoat protocol"),  
535 December 1988, EPA-450/3-88-018, incorporated by reference in  
536 Section 219.112 of this Part.  
537

538 B) On and after May 1, 2012: "Protocol for Determining the Daily  
539 Volatile Organic Compound Emission Rate of Automobile and  
540 Light-Duty Truck Primer-Surfacer and Topcoat Operations"  
541 (topcoat protocol), September 2008, EPA-453/R-08-002,  
542 incorporated by reference in Section 219.112 of this Part.  
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544 2) Prior to testing pursuant to the applicable topcoat protocol, the owner or  
545 operator of a coating operation subject to the topcoat or primer surfacer  
546 limit in Section 219.204(a)(1)(B), (a)(1)(C), (a)(2)(B), (a)(2)(C), or  
547 (a)(2)(E) shall submit a detailed testing proposal specifying the method by  
548 which testing will be conducted and how compliance will be demonstrated  
549 consistent with the applicable topcoat protocol. The proposal shall  
550 include, at a minimum, a comprehensive plan (including a rationale) for  
551 determining the transfer efficiency at each booth through the use of in-  
552 plant or pilot testing, the selection of coatings to be tested (for the purpose  
553 of determining transfer efficiency) including the rationale for coating  
554 groupings, the method for determining the analytic VOM content of as  
555 applied coatings and the formulation solvent content of as applied  
556 coatings, and a description of the records of coating VOM content as  
557 applied and coating's usage that will be kept to demonstrate compliance.  
558 Upon approval of the proposal by the Agency and USEPA, the compliance  
559 demonstration for a coating line may proceed.

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c) Capture System Efficiency Test Protocols

1) Applicability

The requirements of subsection (c)(2) of this Section shall apply to all VOM emitting process emission units employing capture equipment (e.g., hoods, ducts), except those cases noted in this subsection (c)(1).

A) If an emission unit is equipped with (or uses) a permanent total enclosure (PTE) that meets Agency and USEPA specifications, and which directs all VOM to a control device, then the emission unit is exempted from the requirements described in subsection (c)(2) of this Section. The Agency and USEPA specifications to determine whether a structure is considered a PTE are given in Method 204 of appendix M of 40 CFR 51, incorporated by reference in Section 219.112 of this Part. In this instance, the capture efficiency is assumed to be 100 percent and the emission unit is still required to measure control efficiency using appropriate test methods as specified in subsection (d) of this Section.

B) If an emission unit is equipped with (or uses) a control device designed to collect and recover VOM (e.g., carbon adsorber), an explicit measurement of capture efficiency is not necessary provided that the conditions given below are met. The overall control of the system can be determined by directly comparing the input liquid VOM to the recovered liquid VOM. The general procedure for use in this situation is given in 40 CFR 60.433, incorporated by reference in Section 219.112 of this Part, with the following additional restrictions:

i) The source owner or operator shall obtain data each operating day for the solvent usage and solvent recovery to permit the determination of the solvent recovery efficiency of the system each operating day using a 7-day rolling period. The recovery efficiency for each operating day is computed as the ratio of the total recovered solvent for that day and the most recent prior 6 operating days to the total solvent usage for the same 7-day period used for the recovered solvent, rather than a 30-day weighted average as given in 40 CFR 60.433 incorporated by reference in Section 219.112 of this Part. This ratio shall be expressed as a percentage. The ratio shall be computed within 72 hours following each 7-day period. A source that believes

that the 7-day rolling period is not appropriate may use an alternative multi-day rolling period not to exceed 30 days, with the approval of the Agency and USEPA. In addition, the criteria in subsection (c)(1)(B)(ii) or ~~subsection (c)(1)(B)(iii) below~~ must be met.

- ii) The solvent recovery system (i.e., capture and control system) must be dedicated to a single coating line, printing line, or other discrete activity that by itself is subject to an applicable VOM emission standard, or ~~if~~ If the solvent recovery system controls more than one coating line, printing line or other discrete activity that by itself is subject to an applicable VOM emission standard, the overall control (i.e., the total recovered VOM divided by the sum of liquid VOM input from all lines and other activities venting to the control system) must meet or exceed the most stringent standard applicable to any line or other discrete activity venting to the control system.

2) Capture Efficiency Protocols

The capture efficiency of an emission unit shall be measured using one of the protocols given below. Appropriate test methods to be utilized in each of the capture efficiency protocols are described in appendix M of 40 CFR 51, incorporated by reference in Section 219.112 of this Part. Any error margin associated with a test method or protocol may not be incorporated into the results of a capture efficiency test. If these techniques are not suitable for a particular process, then an alternative capture efficiency protocol may be used, pursuant to the provisions of Section 219.108(b) of this Part.

- A) Gas/gas method using temporary total enclosure (TTE). The Agency and USEPA specifications to determine whether a temporary enclosure is considered a TTE are given in Method 204 of appendix M of 40 CFR 51, incorporated by reference in Section 219.112 of this Part. The capture efficiency equation to be used for this protocol is:

$$CE = \frac{G_w}{G_w + F_w}$$

where:

CE = capture efficiency, decimal fraction;

$G_w$  = mass of VOM captured and delivered to control device using a TTE;

$F_w$  = mass of uncaptured VOM that escapes from a TTE.

Method 204B or 204C contained in appendix M of 40 CFR 51, incorporated by reference in Section 219.112 of this Part, is used to obtain  $G_w$ . Method 204D in appendix M of 40 CFR 51, incorporated by reference in Section 219.112 of this Part, is used to obtain  $F_w$ .

- B) Liquid/gas method using TTE. The Agency and USEPA specifications to determine whether a temporary enclosure is considered a TTE are given in Method 204 of appendix M of 40 CFR 51, incorporated by reference in Section 219.112 of this Part. The capture efficiency equation to be used for this protocol is:

$$CE = \frac{L - F_w}{L}$$

where:

CE = capture efficiency, decimal fraction;

L = mass of liquid VOM input to process emission unit;

$F_w$  = mass of uncaptured VOM that escapes from a TTE.

Method 204A or 204F contained in appendix M of 40 CFR 51, incorporated by reference in Section 219.112 of this Part is used to obtain L. Method 204 in appendix M of 40 CFR 51, incorporated by reference in Section 219.112 of this Part is used to obtain  $F_w$ .

- C) Gas/gas method using the building or room (building or room enclosure), in which the affected coating line, printing line or other emission unit is located, as the enclosure, as determined by Method 204 of appendix M of 40 CFR 51, incorporated by reference in Section 219.112 of this Part, and in which " $F_B$ " and "G" are measured while operating only the affected line or emission unit. All fans and blowers in the building or room must be operated as they would under normal production. The capture efficiency equation to be used for this protocol is:

$$CE = \frac{G}{G + F_B}$$

where:

- CE = capture efficiency, decimal fraction;
- G = mass of VOM captured and delivered to control device;
- F<sub>B</sub> = mass of uncaptured VOM that escapes from building enclosure.

Method 204B or 204C contained in appendix M of 40 CFR 51, incorporated by reference in Section 219.112 of this Part, is used to obtain G. Method 204E in appendix M of 40 CFR 51, incorporated by reference in Section 219.112 of this Part is used to obtain F<sub>B</sub>.

- D) Liquid/gas method using the building or room (building or room enclosure), in which the affected coating line, printing line or other emission unit is located, as the enclosure as determined by Method 204 of appendix M of 40 CFR 51, incorporated by reference in Section 219.112 of this Part, and in which "F<sub>B</sub>" and "L" are measured while operating only the affected line emission unit. All fans and blowers in the building or room must be operated as they would under normal production. The capture efficiency equation to be used for this protocol is:

$$CE = \frac{L - F_B}{L}$$

where:

- CE = capture efficiency, decimal fraction;
- L = mass of liquid VOM input to process emission unit;
- F<sub>B</sub> = mass of uncaptured VOM that escapes from building enclosure.

Method 204A or 204F contained in appendix M of 40 CFR 51, incorporated by reference in Section 219.112 of this Part, is used to obtain L. Method 204E in appendix M of 40 CFR 51, incorporated

by reference in Section 219.112 of this Part, is used to obtain  $F_B$ .

- E) Mass balance using Data Quality Objective (DQO) or Lower Confidence Limit (LCL) protocol. For a liquid/gas input where an owner or operator is using the DQO/LCL protocol and not using an enclosure as described in Method 204 of appendix M of 40 CFR 51, incorporated by reference in Section 219.112 of this Part, the VOM content of the liquid input (L) must be determined using Method 204A or 204F in appendix M of 40 CFR 51, incorporated by reference in Section 219.112 of this Part. The VOM content of the captured gas stream (G) to the control device must be determined using Method 204B or 204C in appendix M of 40 CFR 51, incorporated by reference in Section 219.112 of this Part. The results of capture efficiency calculations (G/L) must satisfy the DQO or LCL statistical analysis methodology as described in Section 3 of USEPA's "Guidelines for Determining Capture Efficiency," incorporated by reference at Section 219.112 of this Part. Where capture efficiency testing is done to determine emission reductions for the purpose of establishing emission credits for offsets, shutdowns, and trading, the LCL protocol cannot be used for these applications. In enforcement cases, the LCL protocol cannot confirm non-compliance; capture efficiency must be determined using a protocol under subsection (c)(2)(A), (B), (C) or (D) of this Section, the DQO protocol of this subsection (c)(2)(E), or an alternative protocol pursuant to Section 219.108(b) of this Part.

BOARD NOTE: Where LCL was used in testing emission units that are the subject of later requests for establishing emission credits for offsets, shutdowns, and trading, prior LCL results may not be relied upon to determine the appropriate amount of credits. Instead, to establish the appropriate amount of credits, additional testing may be required that would satisfy the protocol of Section 219.105(c)(2)(A), (B), (C) or (D), the DQO protocol of Section 219.105(c)(2)(E), or an alternative protocol pursuant to Section 219.108(b) of this Part.

- 3) Simultaneous testing of multiple lines or emission units with a common control device. If an owner or operator has multiple lines sharing a common control device, the capture efficiency of the lines may be tested simultaneously, subject to the following provisions:

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- A) Multiple line testing must meet the criteria of Section 4 of USEPA's "Guidelines for Determining Capture Efficiency,"<sup>2</sup> incorporated by reference at Section 219.112 of this Part;
  - B) The most stringent capture efficiency required for any individual line or unit must be met by the aggregate of lines or units; and
  - C) Testing of all the lines of emission units must be performed with the same capture efficiency test protocol.
- 4) Recordkeeping and Reporting
- A) All owners or operators affected by this subsection must maintain a copy of the capture efficiency protocol submitted to the Agency and the USEPA on file. All results of the appropriate test methods and capture efficiency protocols must be reported to the Agency within 60 days after the test date. A copy of the results must be kept on file with the source for a period of 3 years.
  - B) If any changes are made to capture or control equipment, then the source is required to notify the Agency and the USEPA of these changes and a new test may be required by the Agency or the USEPA.
  - C) The source must notify the Agency 30 days prior to performing any capture efficiency or control test. At that time, the source must notify the Agency which capture efficiency protocol and control device test methods will be used. Notification of the actual date and expected time of testing must be submitted a minimum of 5 working days prior to the actual date of the test. The Agency may at its discretion accept notification with shorter advance notice provided that such arrangements do not interfere with the Agency's ability to review the protocol and/or observe testing.
  - D) Sources utilizing a PTE must demonstrate that this enclosure meets the requirement given in Method 204 in appendix M of 40 CFR 51, incorporated by reference in Section 219.112 of this Part, for a PTE during any testing of their control device.
  - E) Sources utilizing a TTE must demonstrate that their TTE meets the requirements given in Method 204 in appendix M or 40 CFR 51, incorporated by reference in Section 219.112 of this Part, for a TTE during any testing of their control device. The source must

also provide documentation that the quality assurance criteria for a TTE have been achieved.

- F) Any source utilizing the DQO or LCL protocol must submit the following information to the Agency with each test report:
- i) A copy of all test methods, Quality Assurance/Quality Control procedures, and calibration procedures to be used from those described in appendix M of 40 CFR 51, incorporated by reference in Section 219.112 of this Part;
  - ii) A table with information on each sample taken, including the sample identification and the VOM content of the sample;
  - iii) The quantity of material used for each test run;
  - iv) The quantity of captured VOM for each test run;
  - v) The capture efficiency calculations and results for each test run;
  - vi) The DQO and/or LCL calculations and results; and
  - vii) The Quality Assurance/Quality Control results, including how often the instruments were calibrated, the calibration results, and the calibration gases used.

d) Control Device Efficiency Testing and Monitoring

- 1) The control device efficiency shall be determined by simultaneously measuring the inlet and outlet gas phase VOM concentrations and gas volumetric flow rates in accordance with the gas phase test methods specified in subsection (f) of this Section.
- 2) An owner or operator:
  - A) That uses an afterburner or carbon adsorber to comply with any Section of this Part 219 shall use Agency and USEPA approved continuous monitoring equipment which is installed, calibrated, maintained, and operated according to vendor specifications at all times the control device is in use except as provided in subsection (d)(3) of this Section. The continuous monitoring equipment must

833 monitor the following parameters:  
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- 835 i) For each afterburner which does not have a catalyst bed,  
836 the combustion chamber temperature of each afterburner.  
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- 838 ii) For each afterburner which has a catalyst bed, commonly  
839 known as a catalytic afterburner, the temperature rise  
840 across each catalytic afterburner bed or VOM concentration  
841 of exhaust.  
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- 843 iii) For each carbon adsorber, the VOM concentration of each  
844 carbon adsorption bed exhaust or the exhaust of the bed  
845 next in sequence to be desorbed.  
846

847 B) Must install, calibrate, operate and maintain, in accordance with  
848 manufacturer's specifications, a continuous recorder on the  
849 temperature monitoring device, such as a strip chart, recorder or  
850 computer, having an accuracy of  $\pm 1$  percent of the temperature  
851 measured, expressed in degrees Celsius or  $\pm 0.5^\circ$  C, whichever is  
852 greater.  
853

854 C) Of an automobile or light-duty truck primer surfacer operation or  
855 topcoat operation subject to subsection (d)(2)(A), shall keep a  
856 separate record of the following data for the control devices, unless  
857 alternative provisions are set forth in a permit pursuant to Title V  
858 of the Clean Air Act:  
859

- 860 i) For thermal afterburners for which combustion chamber  
861 temperature is monitored, all 3-hour periods of operation in  
862 which the average combustion temperature was more than  
863  $28^\circ$  C ( $50^\circ$  F) below the average combustion temperature  
864 measured during the most recent performance test that  
865 demonstrated that the operation was in compliance.  
866
- 867 ii) For catalytic afterburners for which temperature rise is  
868 monitored, all 3-hour periods of operation in which the  
869 average gas temperature before the catalyst bed is more  
870 than  $28^\circ$  C ( $50^\circ$  F) below the average gas temperature  
871 immediately before the catalyst bed measured during the  
872 most recent performance test that demonstrated that the  
873 operation was in compliance.  
874
- 875 iii) For catalytic afterburners and carbon adsorbers for which

VOM concentration is monitored, all 3-hour periods of operation during which the average VOM concentration or the reading of organics in the exhaust gases is more than 20 percent greater than the average exhaust gas concentration or reading measured by the organic monitoring device during the most recent determination of the recovery efficiency of a carbon adsorber or performance test for a catalytic afterburner, which determination or test that demonstrated that the operation was in compliance.

3) An owner or operator that uses a carbon adsorber to comply with Section 219.401 of this Part may operate the adsorber during periods of monitoring equipment malfunction, provided that:

A) The owner or operator notifies in writing the Agency and USEPA, within 10 days after the conclusion of any 72 hour period during which the adsorber is operated and the associated monitoring equipment is not operational, of such monitoring equipment failure and provides the duration of the malfunction, a description of the repairs made to the equipment, and the total to date of all hours in the calendar year during which the adsorber was operated and the associated monitoring equipment was not operational;

B) During such period of malfunction the adsorber is operated using timed sequences as the basis for periodic regeneration of the adsorber;

C) The period of such adsorber operation does not exceed 360 hours in any calendar year without the approval of the Agency and USEPA; and

D) The total of all hours in the calendar year during which the adsorber was operated and the associated monitoring equipment was not operational shall be reported, in writing, to the Agency and USEPA by January 31 of the following calendar year.

e) Overall Efficiency

1) The overall efficiency of the emission control system shall be determined as the product of the capture system efficiency and the control device efficiency or by the liquid/liquid test protocol as specified in 40 CFR 60.433, incorporated by reference in Section 219.112 of this Part, (and revised by subsection (c)(1)(B) of this Section) for each solvent recovery

919 system. In those cases in which the overall efficiency is being determined  
 920 for an entire line, the capture efficiency used to calculate the product of  
 921 the capture and control efficiency is the total capture efficiency over the  
 922 entire line.

- 923
- 924 2) For coating lines which are both chosen by the owner or operator to  
 925 comply with Section 219.207(a), (d), (e), (f), (g), (l), or (m) of this Part by  
 926 the alternative in Section 219.207(b)(2) of this Part and meet the criteria  
 927 allowing them to comply with Section 219.207 instead of Section 219.204  
 928 of this Part, the overall efficiency of the capture system and control  
 929 device, as determined by the test methods and procedures specified in  
 930 subsections (c), (d) and (e)(1) of this Section, shall be no less than the  
 931 equivalent overall efficiency which shall be calculated by the following  
 932 equation:

933

$$E = \frac{VOM_a - VOM_l}{VOM_a} \times 100$$

934

935 where:

E = Equivalent overall efficiency of the capture system  
 and control device as a percentage;

VOM<sub>a</sub> = Actual VOM content of a coating, or the daily-  
 weighted average VOM content of two or more  
 coatings (if more than one coating is used), as  
 applied to the subject coating line as determined by  
 the applicable test methods and procedures  
 specified in subsection (a)(4)(i) of this Part in units  
 of kg VOM/1 (lb VOM/gal) of coating solids as  
 applied;

VOM<sub>l</sub> = The VOM emission limit specified in Sections  
 219.204 or 219.205 of this Part in units of kg  
 VOM/1 (lb VOM/gal) of coating solids as applied.

- 938
- 939 f) Volatile Organic Material Gas Phase Source Test Methods  
 940 The methods in 40 CFR 60, appendix A, incorporated by reference in Section  
 941 219.112 of this Part delineated below shall be used to determine control device  
 942 efficiencies.

- 943
- 944 1) 40 CFR 60, appendix A, Method 18, 25 or 25A, incorporated by reference  
 945 in Section 219.112 of this Part as appropriate to the conditions at the site,

946 shall be used to determine VOM concentration. Method selection shall be  
 947 based on consideration of the diversity of organic species present and their  
 948 total concentration and on consideration of the potential presence of  
 949 interfering gases. Except as indicated in subsections (f)(1)(A) and (B)  
 950 below, the test shall consist of three separate runs, each lasting a minimum  
 951 of 60 min, unless the Agency and the USEPA determine that process  
 952 variables dictate shorter sampling times.

954 A) When the method is to be used to determine the efficiency of a  
 955 carbon adsorption system with a common exhaust stack for all the  
 956 individual adsorber vessels, the test shall consist of three separate  
 957 runs, each coinciding with one or more complete sequences  
 958 through the adsorption cycles of all the individual adsorber vessels.

959 B) When the method is to be used to determine the efficiency of a  
 960 carbon adsorption system with individual exhaust stacks for each  
 961 adsorber vessel, each adsorber vessel shall be tested individually.  
 962 The test for each adsorber vessel shall consist of three separate  
 963 runs. Each run shall coincide with one or more complete  
 964 adsorption cycles.  
 965

966 2) 40 CFR 60, appendix A, Method 1 or 1A, incorporated by reference in  
 967 Section 219.112 of this Part, shall be used for sample and velocity  
 968 traverses.  
 969

970 3) 40 CFR 60, appendix A, Method 2, 2A, 2C or 2D, incorporated by  
 971 reference in Section 219.112 of this Part, shall be used for velocity and  
 972 volumetric flow rates.  
 973

974 4) 40 CFR 60, appendix A, Method 3, incorporated by reference in Section  
 975 219.112 of this Part, shall be used for gas analysis.  
 976

977 5) 40 CFR 60, appendix A, Method 4, incorporated by reference in Section  
 978 219.112 of this Part, shall be used for stack gas moisture.  
 979

980 6) 40 CFR 60, appendix A, Methods 2, 2A, 2C, 2D, 3 and 4, incorporated by  
 981 reference in Section 219.112 of this Part, shall be performed, as  
 982 applicable, at least twice during each test run.  
 983

984 7) Use of an adaptation to any of the test methods specified in subsections  
 985 (f)(1), (2), (3), (4), (5) and (6) of this Section may not be used unless  
 986 approved by the Agency and the USEPA on a case by case basis. An  
 987 owner or operator must submit sufficient documentation for the Agency  
 988

989 and the USEPA to find that the test methods specified in subsections  
 990 (f)(1), (2), (3), (4), (5) and (6) of this Section will yield inaccurate results  
 991 and that the proposed adaptation is appropriate.  
 992

993 g) Leak Detection Methods for Volatile Organic Material  
 994 Owners or operators required by this Part to carry out a leak detection monitoring  
 995 program shall comply with the following requirements:  
 996

- 997 1) Leak Detection Monitoring  
 998  
 999 A) Monitoring shall comply with 40 CFR 60, appendix A, Method 21,  
 1000 incorporated by reference in Section 219.112 of this Part.  
 1001  
 1002 B) The detection instrument shall meet the performance criteria of  
 1003 Method 21.  
 1004  
 1005 C) The instrument shall be calibrated before use on each day of its use  
 1006 by the methods specified in Method 21.  
 1007  
 1008 D) Calibration gases shall be:  
 1009  
 1010 i) Zero air (less than 10 ppm of hydrocarbon in air); and  
 1011  
 1012 ii) A mixture of methane or n-hexane and air at a  
 1013 concentration of approximately, but no less than, 10,000  
 1014 ppm methane or n-hexane.  
 1015  
 1016 E) The instrument probe shall be traversed around all potential leak  
 1017 interfaces as close to the interface as possible as described in  
 1018 Method 21.  
 1019  
 1020 2) When equipment is tested for compliance with no detectable emissions as  
 1021 required, the test shall comply with the following requirements:  
 1022  
 1023 A) The requirements of subsections (g)(1)(A) through (g)(1)(E) of this  
 1024 Section shall apply.  
 1025  
 1026 B) The background level shall be determined as set forth in Method  
 1027 21.  
 1028  
 1029 3) Leak detection tests shall be performed consistent with:  
 1030  
 1031 A) "APTI Course SI 417 controlling Volatile Organic Compound

- 1032 Emissions from Leaking Process Equipment", EPA-450/2-82-015,  
 1033 incorporated by reference in Section 219.112 of this Part.  
 1034  
 1035 B) "Portable Instrument User's Manual for Monitoring VOM  
 1036 Sources", EPA-340/1-86-015, incorporated by reference in Section  
 1037 219.112 of this Part.  
 1038  
 1039 C) "Protocols for Generating Unit-Specific Emission Estimates for  
 1040 Equipment Leaks of VOM and VHAP", EPA-450/3-88-010,  
 1041 incorporated by reference in Section 219.112 of this Part.  
 1042  
 1043 D) "Petroleum Refinery Enforcement Manual", EPA-340/1-80-008,  
 1044 incorporated by reference in Section 219.112 of this Part.  
 1045  
 1046 h) Bulk Gasoline Delivery System Test Protocol  
 1047  
 1048 1) The method for determining the emissions of gasoline from a vapor  
 1049 recovery system are delineated in 40 CFR 60, ~~subpart~~Subpart XX, section  
 1050 60.503, incorporated by reference in Section 219.112 of this Part.  
 1051  
 1052 2) Other tests shall be performed consistent with:  
 1053  
 1054 A) "Inspection Manual for Control of Volatile Organic Emissions  
 1055 from Gasoline Marketing Operations: Appendix D", EPA-340/1-  
 1056 80-012, incorporated by reference in Section 219.112 of this Part.  
 1057  
 1058 B) "Control of Hydrocarbons from Tank Truck Gasoline Loading  
 1059 Terminals: Appendix A", EPA-450/2-77-026, incorporated by  
 1060 reference in Section 219.112 of this Part.  
 1061  
 1062 i) Notwithstanding other requirements of this Part, upon request of the Agency  
 1063 where it is necessary to demonstrate compliance, an owner or operator of an  
 1064 emission unit which is subject to this Part shall, at his own expense, conduct tests  
 1065 in accordance with the applicable test methods and procedures specific in this  
 1066 Part. Nothing in this Section shall limit the authority of the USEPA pursuant to  
 1067 the Clean Air Act, as amended, to require testing.  
 1068  
 1069 j) ~~Stage II Gasoline Vapor Recovery Test Methods~~  
 1070 ~~The methods for determining the acceptable performance of Stage II Gasoline~~  
 1071 ~~Vapor Recovery System are delineated in "Technical Guidance Stage II Vapor~~  
 1072 ~~Recovery Systems for Control of Vehicle Refueling Emissions at Gasoline~~  
 1073 ~~Dispensing Facilities," found at EPA 450/3-91-022b and incorporated by~~  
 1074 ~~reference in Section 219.112 of this Part. Specifically, the test methods are as~~

1075 follows:

- 1076
- 1077 1) ~~Dynamic Backpressure Test is a test procedure used to determine the~~  
1078 ~~pressure drop (flow resistance) through balance vapor collection and~~  
1079 ~~control systems (including nozzles, vapor hoses, swivels, dispenser piping~~  
1080 ~~and underground piping) at prescribed flow rates.~~
- 1081
- 1082 2) ~~Pressure Decay/Leak Test is a test procedure used to quantify the vapor~~  
1083 ~~tightness of a vapor collection and control system installed at gasoline~~  
1084 ~~dispensing facilities.~~
- 1085
- 1086 3) ~~Liquid Blockage Test is a test procedure used to detect low points in any~~  
1087 ~~vapor collection and control system where condensate may accumulate.~~
- 1088

1089 (Source: Amended at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

1090

1091 **Section 219.112 Incorporations by Reference**

1092

1093 The following materials are incorporated by reference and do not contain any subsequent  
1094 additions or amendments:

1095

- 1096 a) American Society for Testing and Materials, 100 Barr Harbor Drive, West  
1097 Conshohocken PA 19428-9555
- 1098
- 1099 1) ASTM D 2879-86
- 1100
- 1101 2) ASTM D 323-08
- 1102
- 1103 3) ASTM D 86-82
- 1104
- 1105 4) ASTM D 369-69 (1971)
- 1106
- 1107 5) ASTM D 396-69
- 1108
- 1109 6) ASTM D 2880-71
- 1110
- 1111 7) ASTM D 975-68
- 1112
- 1113 8) ASTM D 3925-81 (1985)
- 1114
- 1115 9) ASTM E 300-86
- 1116
- 1117 10) ASTM D 1475-85

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  - 1160
- 11) ASTM D 2369-87
  - 12) ASTM D 3792-86
  - 13) ASTM D 4017-81 (1987)
  - 14) ASTM D 4457-85
  - 15) ASTM D 2697-86
  - 16) ASTM D 3980-87
  - 17) ASTM E 180-85
  - 18) ASTM D 2372-85
  - 19) ASTM D 97-66
  - 20) ASTM E 168-87 (1977)
  - 21) ASTM E 169-87
  - 22) ASTM E 260-91
  - 23) ASTM D 2504-83
  - 24) ASTM D 2382-83
  - 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 60 (July 1, 1991).
  - e) 40 CFR 61 (July 1, 1991).
  - f) 40 CFR 50 (July 1, 1991).
  - g) 40 CFR 51 (July 1, 1991) and 40 CFR 51, appendix M, Methods 204-204F (July 1, 1999).

- 1161  
 1162 h) 40 CFR 52 (July 1, 1991).  
 1163  
 1164 i) "A Guide for Surface Coating Calculation", July 1986, United States  
 1165 Environmental Protection Agency, Washington, D.C., EPA-340/1-86-016.  
 1166  
 1167 j) "Procedures for Certifying Quantity of Volatile Organic Compounds Emitted by  
 1168 Paint, Ink and Other Coating" (revised June 1986), United States Environmental  
 1169 Protection Agency, Washington D.C., EPA-450/3-84-019.  
 1170  
 1171 k) "A Guide for Graphic Arts Calculations", August 1988, United States  
 1172 Environmental Protection Agency, Washington D.C., EPA-340/1-88-003.  
 1173  
 1174 l) "Protocol for Determining the Daily Volatile Organic Compound Emission Rate  
 1175 of Automobile and Light-Duty Truck Topcoat Operations", December 1988,  
 1176 United States Environmental Protection Agency, Washington D.C., EPA-450/3-  
 1177 88-018.  
 1178  
 1179 m) "Control of Volatile Organic Emissions from Manufacturing of Synthesized  
 1180 Pharmaceutical Products", December 1978, United States Environmental  
 1181 Protection Agency, Washington, D.C., EPA-450/2-78-029.  
 1182  
 1183 n) "Control of Volatile Organic Compound Leaks from Gasoline Tank Trucks and  
 1184 Vapor Collection Systems", December 1978, Appendix B, United States  
 1185 Environmental Protection Agency, Washington, D.C., EPA-450/2-78-051.  
 1186  
 1187 o) "Control of Volatile Organic Compound Emissions from Large Petroleum Dry  
 1188 Cleaners", September 1982, United States Environmental Protection Agency,  
 1189 Washington, D.C., EPA-450/3-82-009.  
 1190  
 1191 p) "APTI Course SI417 Controlling Volatile Organic Compound Emissions from  
 1192 Leaking Process Equipment", 1982, United States Environmental Protection  
 1193 Agency, Washington, D.C., EPA-450/2-82-015.  
 1194  
 1195 q) "Portable Instrument User's Manual for Monitoring VOM Sources", June 1986,  
 1196 United States Environmental Protection Agency, Washington, D.C., EPA-340/1-  
 1197 86-015.  
 1198  
 1199 r) "Protocols for Generating Unit-Specific Emission Estimates for Equipment Leaks  
 1200 of VOM and VHAP", October 1988, United States Environmental Protection  
 1201 Agency, Washington, D.C., EPA-450/3-88-010.  
 1202  
 1203 s) "Petroleum Refinery Enforcement Manual", March 1980, United States

- 1204 Environmental Protection Agency, Washington, D.C., EPA-340/1-80-008.  
 1205  
 1206 t) "Inspection Manual for Control of Volatile Organic Emissions from Gasoline  
 1207 Marketing Operations: Appendix D", 1980, United States Environmental  
 1208 Protection Agency, Washington, D.C., EPA-340/1-80-012.  
 1209  
 1210 u) "Control of Hydrocarbons from Tank Truck Gasoline Loading Terminals:  
 1211 Appendix A", December 1977, United States Environmental Protection Agency,  
 1212 Washington, D.C., EPA-450/2-77-026.  
 1213  
 1214 ~~v) "Technical Guidance Stage II Vapor Recovery Systems for Control of Vehicle~~  
 1215 ~~Refueling Emissions at Gasoline Dispensing Facilities", November 1991, United~~  
 1216 ~~States Environmental Protection Agency, Washington, D.C., EPA-450/3-91-022b.~~  
 1217  
 1218 y)w) California Air Resources Board, Compliance Division. Compliance Assistance  
 1219 Program: Gasoline Marketing and Distribution: Gasoline Facilities Phase I & II  
 1220 (October 1988, rev. November 1993) (CARB Manual).  
 1221  
 1222 w)x) "Guidelines for Determining Capture Efficiency", January 1995, Office of Air  
 1223 Quality Planning and Standards, United States Environmental Protection Agency,  
 1224 Research Triangle Park NC.  
 1225  
 1226 x)y) Memorandum "Revised Capture Efficiency Guidance for Control of Volatile  
 1227 Organic Compound Emissions", February 1995, John S. Seitz, Director, Office of  
 1228 Air Quality Planning and Standards, United States Environmental Protection  
 1229 Agency.  
 1230  
 1231 y)z) "Protocol for Determining the Daily Volatile Organic Compound Emission Rate  
 1232 of Automobile and Light-Duty Truck Primer-Surfacer and Topcoat Operations",  
 1233 September 2008, United States Environmental Protection Agency, Washington,  
 1234 D.C., EPA-453/R-08-002.  
 1235  
 1236 z)aa) 40 CFR 63 subpart PPPP, appendix A (2008).  
 1237  
 1238 aa)bb) 46 CFR subchapter Q (2007).  
 1239  
 1240 bb)ee) 46 CFR subchapter T (2008).  
 1241  
 1242 (Source: Amended at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)  
 1243

SUBPART Y: GASOLINE DISTRIBUTION

1244  
 1245  
 1246 **Section 219.583 Gasoline Dispensing Operations – Storage Tank Filling Operations**

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- 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 219.584(b) or (d) of this Part; and
  - 3) By March 15, 1995, all tank vent pipes are 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); and
  - 4) The owner or operator of a gasoline dispensing operation demonstrates compliance with subsection (a)(3) of this Section, by March 15, 1995 or 30 days after installation of each pressure/vacuum relief valve, whichever is later, and at least annually thereafter, by measuring and recording 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 after 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

1290 transfers of gasoline to a stationary storage tank at a gasoline dispensing operation  
1291 if:

- 1292  
1293 1) The tank is equipped with a floating roof, or other system of equal or  
1294 better emission control as approved by the Agency and approved by the  
1295 USEPA as a SIP revision;  
1296  
1297 2) The tank has a capacity of less than 2000 gallons and was in place and  
1298 operating before January 1, 1979; or  
1299  
1300 3) The tank has a capacity of less than 575 gallons.  
1301

1302 c) Subject to subsection (b) above, each owner of a gasoline dispensing operation  
1303 shall:

- 1304  
1305 1) Install all control systems and make all process modifications required by  
1306 subsection (a) above;  
1307  
1308 2) Provide instructions to the operator of the gasoline dispensing operation  
1309 describing necessary maintenance operations and procedures for prompt  
1310 notification of the owner in case of any malfunction of a vapor control  
1311 system; and  
1312  
1313 3) Repair, replace or modify any worn out or malfunctioning component or  
1314 element of design.  
1315

1316 d) Subject to subsection (b) above, each operator of a gasoline dispensing operation  
1317 shall:

- 1318  
1319 1) Maintain and operate each vapor control system in accordance with the  
1320 owner's instructions;  
1321  
1322 2) Promptly notify the owner of any scheduled maintenance or malfunction  
1323 requiring replacement or repair of a major component of a vapor control  
1324 system;  
1325  
1326 3) Maintain gauges, meters or other specified testing devices in proper  
1327 working order;  
1328  
1329 4) Operate the vapor collection system and delivery vessel unloading points  
1330 in a manner that prevents:  
1331  
1332 A) A reading equal to or greater than 100 percent of the lower

1333 explosive limit (LEL measured as propane) when tested in  
1334 accordance with the procedure described in EPA 450/2-78-051  
1335 Appendix B incorporated by reference at Section 219.112 of this  
1336 Part, and  
1337

1338 B) Avoidable leaks of liquid during the filling of storage tanks; and  
1339

1340 5) Within 15 business days after discovery of the leak by the owner, operator,  
1341 or the Agency, repair and retest a vapor collection system which exceeds  
1342 the limits of subsection (d)(4)(A) above.  
1343

1344 e) ~~Any retail gasoline dispensing operation subject to subsection (a) above shall be~~  
1345 ~~exempt from the permit requirements specified under 35 Ill. Adm. Code 201.142,~~  
1346 ~~201.143, and 201.144 provided that:~~  
1347

1348 1) ~~The owner or operator of the gasoline dispensing operation submits to the~~  
1349 ~~Agency a registration which provides, at a minimum, the operation name~~  
1350 ~~and address, signature of the owner or operator, the location (including~~  
1351 ~~contact person's name, address and telephone number) of records and~~  
1352 ~~reports required by this Section, the number of underground tanks, the~~  
1353 ~~number tank pipe vents, and the date of completion of installation of the~~  
1354 ~~vapor control system and pressure/vacuum relief valve.~~  
1355

1356 2) ~~The registration is submitted to the Agency by March 15, 1995 or 30 days~~  
1357 ~~after installation of a vapor control system or pressure/vacuum relief~~  
1358 ~~valve, whichever is later.~~  
1359

1360 3) ~~The registration certificate is displayed at the gasoline dispensing~~  
1361 ~~operation.~~  
1362

1363 4) ~~Upon modification of an existing vapor control system or~~  
1364 ~~pressure/vacuum relief valve, the owner or operator of the gasoline~~  
1365 ~~dispensing operation submits to the Agency a registration that details the~~  
1366 ~~changes to the information provided in the previous registration and which~~  
1367 ~~includes the signature of the owner or operator. The registration must be~~  
1368 ~~submitted to the Agency within 30 days after completion of such~~  
1369 ~~modification.~~  
1370

1371 (Source: Amended at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)