

From: [McGill, Richard](#)
To: [Brown, Don](#)
Subject: PC for R18-21 (Part 212)
Date: Monday, March 26, 2018 3:43:25 PM
Attachments: [35-212ProposedChangesv2.docx](#)
[35-212v2.docx](#)

Good afternoon, Mr. Clerk:

Please add this email and two attachments to the R18-21 record as a PC from Jonathan Eastvold of JCAR staff. He indicates that these two attachments **replace** the corresponding documents in what you docketed as PC 3.

Please indicate in the docket entry that this concerns Part 212.

If you have any questions, please let me know. Thank you.

From: Eastvold, Jonathan C. [mailto:JonathanE@ilga.gov]
Sent: Monday, March 26, 2018 3:15 PM
To: McGill, Richard <Richard.McGill@illinois.gov>
Subject: [External] Part 212 (second version)

Jonathan C. Eastvold, Ph.D.
Rules Analyst II
Joint Committee on Administrative Rules
Illinois General Assembly

700 Stratton Building
Springfield, IL 62706

Tel.: 217-785-2254
JonathanE@ilga.gov

State of Illinois - CONFIDENTIALITY NOTICE: The information contained in this communication is confidential, may be attorney-client privileged or attorney work product, may constitute inside information or internal deliberative staff communication, and is intended only for the use of the addressee. Unauthorized use, disclosure or copying of this communication or any part thereof is strictly prohibited and may be unlawful. If you have received this communication in error, please notify the sender immediately by return e-mail and destroy this communication and all copies thereof, including all attachments. Receipt by an unintended recipient does not waive attorney-client privilege, attorney work product privilege, or any other exemption from disclosure.

<u>Line</u>	<u>Citation</u>	<u>Change</u>
17	TOC	"For" to "for"
252	212.108(b)	"condensable" to "condensable"
263	212.108(d)	"condensable" to "condensable"
269	212.108(e)	"condensable" to "condensable"
301	212.110	"For" to "for"
417	212.113(g)	"Filtrable" to "Filterable"
1123	212.315	Delete the extra "by"
1131	212.315	"Repealed" to "Amended"
1150	212.316(d)	"ft" to "feet"
1339	212.324(a)(1)(A)	"Transmercator" to "Transverse Mercator"
1346	212.324(a)(1)(B)	"Transmercator" to "Transverse Mercator"
1353	212.324(a)(1)(C)	"Transmercator" to "Transverse Mercator"
1483	212.362(b)(1)	"dextorse" to "dextrose"
1978	212.443(c)(2)(B)	Before "415" add "["
2038	212.443(h)(3)	"Filtrable" to "Filterable"
2197	212.451	Delete subpart header
2202	212.451	"machine" to "machines"
2812	212.464(c)	After "shall" add "not"
2839	212.681	Add source note.
2892	212.702(a)	"exceedence" to "exceedance"
2895	212.702(a)	"exceedence" to "exceedance"
2898	212.702(b)	"exceedence" to "exceedance"

Electronic Filing: Received, Clerk's Office 3/26/2018 PC#6

2900	212.702(b)	"exceedence" to "exceedance"
2902	212.702(b)(1)	"exceedence" to "exceedance"
2911	212.702(b)(2)	"exceedence" to "exceedance"
2914	212.702(b)(3)	"exceedence" to "exceedance"
2915	212.702(b)(3)	"exceedence" to "exceedance"
2920	212.702(b)(4)	"exceedence" to "exceedance"
2922	212.702(c)	"exceedence" to "exceedance"
2924	212.702(c)	"exceedence" to "exceedance" (twice)
2928	212.702(c)	"exceedence" to "exceedance" (twice)
2932	212.702(d)	"exceedence" to "exceedance"
2940	212.702	After the source note add a closing parenthesis
2972	212.704(a)	"exceedence" to "exceedance"
2974	212.704(a)	"exceedence" to "exceedance"
2983	212.704(b)	"exceedence" to "exceedance"
3015	212.704(d)(1)	"exceedence" to "exceedance"
3019	212.704(d)(2)	"exceedence" to "exceedance"
3045	212.705(a)	"exceedence" to "exceedance"
3050	212.705(b)	"exceedence" to "exceedance"
3159	212.APPENDIX C	"U.S.C." to "USC"

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

6
7 PART 212
8 VISIBLE AND PARTICULATE MATTER EMISSIONS

9
10 SUBPART A: GENERAL

11	Section	
12	212.100	Scope and Organization
13	212.107	Measurement Method for Visible Emissions
14	212.108	Measurement Methods for PM-10 Emissions and Condensable PM-10 Emissions
15	212.109	Measurement Methods for Opacity
16	212.110	Measurement Methods for For Particulate Matter
17	212.111	Abbreviations and Units
18	212.112	Definitions
19	212.113	Incorporations by Reference

20
21
22 SUBPART B: VISIBLE EMISSIONS

23	Section	
24	212.121	Opacity Standards (Repealed)
25	212.122	Visible Emissions Limitations for Certain Emission Units For Which 26 Construction or Modification Commenced On or After April 14, 1972
27	212.123	Visible Emissions Limitations for All Other Emission Units
28	212.124	Exceptions
29	212.125	Determination of Violations
30	212.126	Adjusted Opacity Standards Procedures

31
32
33 SUBPART D: PARTICULATE MATTER EMISSIONS FROM INCINERATORS

34	Section	
35	212.181	Limitations for Incinerators
36	212.182	Aqueous Waste Incinerators
37	212.183	Certain Wood Waste Incinerators
38	212.184	Explosive Waste Incinerators
39	212.185	Continuous Automatic Stoking Animal Pathological Waste Incinerators

40
41
42 SUBPART E: PARTICULATE MATTER EMISSIONS FROM
43 FUEL COMBUSTION EMISSION UNITS

44	Section	
45	212.201	Emission Units For Which Construction or Modification Commenced Prior to

- 47 April 14, 1972, Using Solid Fuel Exclusively Located in the Chicago Area
- 48 212.202 Emission Units For Which Construction or Modification Commenced Prior to
- 49 April 14, 1972, Using Solid Fuel Exclusively Located Outside the Chicago Area
- 50 212.203 Controlled Emission Units For Which Construction or Modification Commenced
- 51 Prior to April 14, 1972, Using Solid Fuel Exclusively
- 52 212.204 Emission Units For Which Construction or Modification Commenced On or After
- 53 April 14, 1972, Using Solid Fuel Exclusively
- 54 212.205 Coal-fired Industrial Boilers For Which Construction or Modification
- 55 Commenced Prior to April 14, 1972, Equipped with Flue Gas Desulfurization
- 56 Systems
- 57 212.206 Emission Units Using Liquid Fuel Exclusively
- 58 212.207 Emission Units Using More Than One Type of Fuel
- 59 212.208 Aggregation of Emission Units For Which Construction or Modification
- 60 Commenced Prior to April 14, 1972
- 61 212.209 Village of Winnetka Generating Station (Repealed)
- 62 212.210 Emissions Limitations for Certain Fuel Combustion Emission Units Located in
- 63 the Vicinity of Granite City
- 64

65 SUBPART K: FUGITIVE PARTICULATE MATTER

- 66
- 67 Section
- 68 212.301 Fugitive Particulate Matter
- 69 212.302 Geographical Areas of Application
- 70 212.304 Storage Piles
- 71 212.305 Conveyor Loading Operations
- 72 212.306 Traffic Areas
- 73 212.307 Materials Collected by Pollution Control Equipment
- 74 212.308 Spraying or Choke-Feeding Required
- 75 212.309 Operating Program
- 76 212.310 Minimum Operating Program
- 77 212.312 Amendment to Operating Program
- 78 212.313 Emission Standard for Particulate Collection Equipment
- 79 212.314 Exception for Excess Wind Speed
- 80 212.315 Covering for Vehicles
- 81 212.316 Emissions Limitations for Emission Units in Certain Areas
- 82

83 SUBPART L: PARTICULATE MATTER EMISSIONS

84 FROM PROCESS EMISSION UNITS

- 85
- 86 Section
- 87 212.321 Process Emission Units For Which Construction or Modification Commenced On
- 88 or After April 14, 1972
- 89 212.322 Process Emission Units For Which Construction or Modification Commenced
- 90 Prior to April 14, 1972
- 91 212.323 Stock Piles
- 92 212.324 Process Emission Units in Certain Areas

93
94
95
96
97
98
99

SUBPART N: FOOD MANUFACTURING

Section

212.361 Corn Wet Milling Processes
212.362 Emission Units in Certain Areas

100
101
102

SUBPART O: PETROLEUM REFINING, PETROCHEMICAL
AND CHEMICAL MANUFACTURING

Section

212.381 Catalyst Regenerators of Fluidized Catalytic Converters

105
106
107
108

SUBPART Q: STONE, CLAY, GLASS
AND CONCRETE MANUFACTURING

Section

212.421 Portland Cement Processes For Which Construction or Modification Commenced
On or After April 14, 1972
212.422 Portland Cement Manufacturing Processes
212.423 Emission Limits for the Portland Cement Manufacturing Plant Located in LaSalle
County, South of the Illinois River ([Repealed](#))
212.424 Fugitive Particulate Matter Control for the Portland Cement Manufacturing Plant
and Associated Quarry Operations Located in LaSalle County, South of the
Illinois River ([Repealed](#))
212.425 Emission Units in Certain Areas

119
120
121
122

SUBPART R: PRIMARY AND FABRICATED METAL
PRODUCTS AND MACHINERY MANUFACTURE

Section

212.441 Steel Manufacturing Processes
212.442 Beehive Coke Ovens
212.443 Coke Plants
212.444 Sinter Processes
212.445 Blast Furnace Cast Houses
212.446 Basic Oxygen Furnaces
212.447 Hot Metal Desulfurization Not Located in the BOF
212.448 Electric Arc Furnaces
212.449 Argon-Oxygen Decarburization Vessels
212.450 Liquid Steel Charging
212.451 Hot Scarfing Machines
212.452 Measurement Methods
212.455 Highlines on Steel Mills
212.456 Certain Small Foundries
212.457 Certain Small Iron-Melting Air Furnaces

139 212.458 Emission Units in Certain Areas

140

141 SUBPART S: AGRICULTURE

142

143 Section

144 212.461 Grain-Handling and Drying in General

145 212.462 Grain-Handling Operations

146 212.463 Grain Drying Operations

147 212.464 Sources in Certain Areas

148

149 SUBPART T: CONSTRUCTION AND WOOD PRODUCTS

150

151 Section

152 212.681 Grinding, Woodworking, Sandblasting and Shotblasting

153

154 SUBPART U: ADDITIONAL CONTROL MEASURES

155

156 Section

157 212.700 Applicability

158 212.701 Contingency Measure Plans, Submittal and Compliance Date

159 212.702 Determination of Contributing Sources

160 212.703 Contingency Measure Plan Elements

161 212.704 Implementation

162 212.705 Alternative Implementation

163

164 APPENDIX A Rule into Section Table

165 APPENDIX B Section into Rule Table

166 APPENDIX C Past Compliance Dates

167 ILLUSTRATION A Allowable Emissions from Solid Fuel Combustion Emission

168 Sources Outside Chicago (Repealed)

169 ILLUSTRATION B Limitations for all New Process Emission Sources (Repealed)

170 ILLUSTRATION C Limitations for all Existing Process Emission Sources (Repealed)

171 ILLUSTRATION D McCook Vicinity Map

172 ILLUSTRATION E Lake Calumet Vicinity Map

173 ILLUSTRATION F Granite City Vicinity Map

174

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

177

178 SOURCE: Adopted as Chapter 2: Air Pollution, Rules 202 and 203: Visual and Particulate
179 Emission Standards and Limitations, R71-23, 4 PCB 191, filed and effective April 14, 1972;
180 amended in R77-15, 32 PCB 403, at 3 Ill. Reg. 5, p. 798, effective February 3, 1979; amended in
181 R78-10, 35 PCB 347, at 3 Ill. Reg. 39, p. 184, effective September 28, 1979; amended in R78-
182 11, 35 PCB 505, at 3 Ill. Reg. 45, p. 100, effective October 26, 1979; amended in R78-9, 38 PCB
183 411, at 4 Ill. Reg. 24, p. 514, effective June 4, 1980; amended in R79-11, 43 PCB 481, at 5 Ill.
184 Reg. 11590, effective October 19, 1981; codified at 7 Ill. Reg. 13591; amended in R82-1 (Docket

185 A) at 10 Ill. Reg. 12637, effective July 9, 1986; amended in R85-33 at 10 Ill. Reg. 18030,
186 effective October 7, 1986; amended in R84-48 at 11 Ill. Reg. 691, effective December 18, 1986;
187 amended in R84-42 at 11 Ill. Reg. 1410, effective December 30, 1986; amended in R82-1
188 (Docket B) at 12 Ill. Reg. 12492, effective July 13, 1988; amended in R91-6 at 15 Ill. Reg.
189 15708, effective October 4, 1991; amended in R89-7(B) at 15 Ill. Reg. 17710, effective
190 November 26, 1991; amended in R91-22 at 16 Ill. Reg. 7880, effective May 11, 1992; amended
191 in R91-35 at 16 Ill. Reg. 8204, effective May 15, 1992; amended in R93-30 at 18 Ill. Reg. 11587,
192 effective July 11, 1994; amended in R96-5 at 20 Ill. Reg. 7605, effective May 22, 1996.

193
194 **SUBPART A: GENERAL**

195
196 **Section 212.100 Scope and Organization**

- 197
198 a) This Part contains standards and limitations for visible and particulate matter
199 emissions from stationary emission units.
200
201 b) Permits for sources subject to this Part may be required pursuant to 35 Ill. Adm.
202 Code 201.
203
204 c) Notwithstanding the provisions of this Part, the air quality standards contained in
205 35 Ill. Adm. Code 243 may not be violated.
206
207 d) This Part includes Subparts which are arranged as follows:
208
209 1) Subpart A: General Provisions;
210
211 2) Subpart B: Visible Emissions;
212
213 3) Subparts C-J: Incinerators and Fuel Combustion Emission Units;
214
215 4) Subparts K-M: Fugitive and Process Emission Units;
216
217 5) Subparts N-T: Site specific and industry specific rules; and
218
219 6) Subpart U: Additional control measures.
220
221 e) Rules have been grouped for the convenience of the public; the scope of each is
222 determined by its language and history.
223

224 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

225
226 **Section 212.107 Measurement Method for Visible Emissions**

227
228 For both fugitive and nonfugitive particulate matter emissions, a determination as to the presence
229 or absence of visible emissions from emission units shall be conducted in accordance with
230 Method 22, 40 CFR part 60, Appendix A, incorporated by reference in Section 212.113 of this

231 Subpart, except that the length of the observing period shall be at the discretion of the observer,
232 but not less than one minute. This Subpart shall not apply to Section 212.301 of this Part.
233

234 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)
235

236 **Section 212.108 Measurement Methods for PM-10 Emissions and Condensable PM-10**
237 **Emissions**
238

- 239 a) Emissions of PM-10 shall be measured by any of the following methods at the
240 option of the owner or operator of an emission unit.
241
- 242 1) Method 201, 40 CFR part 51, Appendix M, incorporated by reference in
243 Section 212.113 of this Subpart.
244
- 245 2) Method 201A, 40 CFR part 51, Appendix M, incorporated by reference in
246 Section 212.113 of this Subpart.
247
- 248 3) Method 5, 40 CFR part 60, Appendix A, incorporated by reference in
249 Section 212.113 of this Subpart, provided that all particulate matter
250 measured by Method 5 shall be considered to be PM-10.
251
- 252 b) Emissions of ~~condensable~~ condensable PM-10 shall be measured by Method 202,
253 40 CFR part 51, Appendix M, incorporated by reference in Section 212.113 of
254 this Subpart.
255
- 256 c) The volumetric flow rate and gas velocity for stack test methods shall be
257 determined in accordance with Methods 1, 1A, 2, 2A, 2C, 2D, 3, or 4, 40 CFR
258 part 60, Appendix A, incorporated by reference in Section 212.113 of this
259 Subpart.
260
- 261 d) Upon a written notification by the Illinois Environmental Protection Agency
262 (Agency), the owner or operator of a PM-10 emission unit subject to this Section
263 shall conduct the applicable testing for PM-10 emissions, ~~condensable~~ condensable
264 PM-10 emissions, opacity, or visible emissions at such person's own expense, to
265 demonstrate compliance. Such test results shall be submitted to the Agency within
266 thirty (30) days after conducting the test unless an alternative time for submittal is
267 agreed to by the Agency.
268
- 269 e) A person planning to conduct testing for PM-10 or ~~condensable~~ condensable PM-
270 10 emissions to demonstrate compliance shall give written notice to the Agency
271 of that intent. Such notification shall be given at least thirty (30) days prior to
272 initiation of the test unless a shorter pre-notification is agreed to by the Agency.
273 Such notification shall state the specific test methods from subsection (a) of this
274 Section that will be used.
275
- 276 f) The owner or operator of an emission unit subject to this Section shall retain

277 records of all tests which are performed. These records shall be retained for at
278 least three (3) years after the date a test is performed.

279

280 g) This Section shall not affect the authority of the United States Environmental
281 Protection Agency (USEPA) under Section 114 of the Clean Air Act (CAA) (42
282 U.S.C. Section 7414 (1990)).

283

284 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

285

286 **Section 212.109 Measurement Methods for Opacity**

287

288 Except as otherwise provided in this Part, and except for the methods of data reduction when
289 applied to Sections 212.122 and 212.123 of this Part, measurements of opacity shall be
290 conducted in accordance with Method 9, 40 CFR part 60, Appendix A, and the procedures in 40
291 CFR 60.675(c) and (d), if applicable, incorporated by reference in Section 212.113 of this
292 Subpart, except that for roadways and parking areas the number of readings required for each
293 vehicle pass will be three taken at 5-second intervals. The first reading shall be at the point of
294 maximum opacity and second and third readings shall be made at the same point, the observer
295 standing at right angles to the plume at least 15 feet away from the plume and observing 4 feet
296 above the surface of the roadway or parking area. After four vehicles have passed, the 12
297 readings will be averaged.

298

299 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

300

301 **Section 212.110 Measurement Methods ~~for~~ Particulate Matter**

302

303 a) Measurement of particulate matter emissions from stationary emission units
304 subject to this Part shall be conducted in accordance with 40 CFR part 60,
305 Appendix A, Methods 5, 5A, 5D, or 5E, as incorporated by reference in Section
306 212.113 of this Subpart.

307

308 b) The volumetric flow rate and gas velocity shall be determined in accordance with
309 40 CFR part 60, Appendix A, Methods 1, 1A, 2, 2A, 2C, 2D, 3, and 4,
310 incorporated by reference in Section 212.113 of this Subpart.

311

312 c) Upon a written notification by the Agency, the owner or operator of a particulate
313 matter emission unit subject to this Part shall conduct the applicable testing for
314 particulate matter emissions, opacity, or visible emissions at such person's own
315 expense, to demonstrate compliance. Such test results shall be submitted to the
316 Agency within thirty (30) days after conducting the test unless an alternative time
317 for submittal is agreed to by the Agency.

318

319 d) A person planning to conduct testing for particulate matter emissions to
320 demonstrate compliance shall give written notice to the Agency of that intent.
321 Such notification shall be given at least thirty (30) days prior to the initiation of
322 the test unless a shorter period is agreed to by the Agency. Such notification shall

323 state the specific test methods from this Section that will be used.

324

325 e) The owner or operator of an emission unit subject to this Part shall retain records
326 of all tests which are performed. These records shall be retained for at least three
327 (3) years after the date a test is performed.

328

329 f) This Section shall not affect the authority of the USEPA under Section 114 of the
330 CAA.

331

332 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

333

334 Section 212.111 Abbreviations and Units

335

336 a) The following abbreviations are used in this Part:

337

btu	British thermal units (60¼°F)
dscf	dry standard cubic foot
ft	foot
ft ²	square feet
fpm	feet per minute
gal	gallon
gr	grains
gr/scf	grains per standard cubic foot
gr/dscf	grains per dry standard cubic foot
hr	hour
J	Joule
kg	kilogram
kg/MW-hr	kilograms per megawatt-hour
km	kilometer
L	liter
lbs	pounds
lbs/hr	pounds per hour
lbs/mmbtu	pounds per million btu
m	meter
m ²	square meters
mph	miles per hour
mg	milligram
mg/scm	milligrams per standard cubic meter
mg/dscm	milligrams per dry standard cubic meter
mg/L	milligrams per liter
Mg	megagram, metric ton or tonne
mi	mile
mmbtu	million British thermal units
mmbtu/hr	million British thermal units per hour
MW	megawatt; one million watts
MW-hr	megawatt-hour

ng	nanogram; one billionth of a gram
ng/J	nanograms per Joule
scf	standard cubic foot
scfm	standard cubic feet per minute
scm	standard cubic meter
T	short ton (2000 lbs)
yd ²	square yards

338
339
340

b) The following conversion factors have been used in this Part:

English	Metric
2.205 lbs	1 kg
1 T	0.907 Mg
1 lb/T	0.500 kg/Mg
mmbtu/hr	0.293 MW
1 lb/mmbtu	1.548 kg/MW-hr or 430 mg/J
1 mi	1.61 km
1 gr	64.81 mg
1 gr/scf	2289 mg/scm
1 ft ²	0.0929 m ²
1 ft	0.3048 m
1 gal	3.785 L

341
342
343

(Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

Section 212.112 Definitions

345

The definitions of 35 Ill. Adm. Code 201 and 211 apply to this Part.

347

Section 212.113 Incorporations by Reference

349

The following materials are incorporated by reference. These incorporations do not include any later amendments or editions.

352

a) 40 CFR part 60, Appendix A (1991):

354

- 1) Method 1: Sample and Velocity Traverses for Stationary Sources;
- 2) Method 1A: Sample and Velocity Traverses for Stationary Source with Small Stacks or Ducts;
- 3) Method 2: Determination of Stack Gas Velocity and Volumetric Flow Rate (Type S pitot tube);
- 4) Method 2A: Direct Measurement of Gas Volume Through Pipes and Small Ducts;

355

356

357

358

359

360

361

362

363

364

- 365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
- 5) Method 2C: Determination of Stack Gas Velocity and Volumetric Flow Rate in Small Stacks or Ducts (Standard Pitot Tube);
 - 6) Method 2D: Measurement of Gas Volumetric Flow Rates in Small Pipes and Ducts;
 - 7) Method 3: Gas Analysis for Carbon Dioxide, Oxygen, Excess Air, and Dry Molecular Weight;
 - 8) Method 4: Determination of Moisture Content in Stack Gases;
 - 9) Method 5: Determination of Particulate Emissions From Stationary Sources;
 - 10) Method 5A: Determination of Particulate Emissions From the Asphalt Processing and Asphalt Roofing Industry;
 - 11) Method 5D: Determination of Particulate Matter Emissions From Positive Pressure Fabric Filters;
 - 12) Method 5E: Determination of Particulate Emissions From the Wool Fiberglass Insulation Manufacturing Industry;
 - 13) Method 9: Visual Determination of the Opacity of Emissions from Stationary Sources;
 - 14) Method 22: Visual Determination of Fugitive Emissions from Material Sources and Smoke Emissions from Flares.
- b) 40 CFR part 51 Appendix M (1994):
- 1) Method 201: Determination of PM-10 Emissions;
 - 2) Method 201A: Determination of PM-10 Emissions (Constant Sampling Rate Procedure);
 - 3) Method 202: Determination of Condensable Particulate Emissions from Stationary Sources.
- c) 40 CFR 60.672(b), (c), (d) and (e) (1991).
- d) 40 CFR 60.675(c) and (d) (1991).
- e) ASAE Standard 248.2, Section 9, Basis for Stating Drying Capacity of Batch and Continuous-Flow Grain Dryers, American Society of Agricultural Engineers,

- 411 2950 Niles Road, St. Joseph, MI 49085.
412
413 f) U.S. Sieve Series, ASTM-E11, American Society of Testing Materials, 1916 Race
414 Street, Philadelphia, PA 19103.
415
416 g) Standard Methods for the Examination of Water and Wastewater, Section 209C,
417 "Total ~~Filterable~~ ~~Filtrable~~ Residue Dried at 103-105~ C," 15th Edition, 1980,
418 American Public Health Association, 1015 Fifteenth Street, N.W., Washington,
419 D.C. 20005.
420
421 h) "Guideline on the Identification and Use of Air Quality Data Affected by
422 Exceptional Events," U.S. Environmental Protection Agency, Office of Air and
423 Radiation, Office of Air Quality Planning and Standards Monitoring and Data
424 Analysis Division, Research Triangle Park, N.C. 27711, EPA-450/4-86-007 July
425 1986.
426
427 i) "Guideline on Air Quality Models (Revised)," U.S. Environmental Protection
428 Agency, Office of Air Quality Planning and Standards, Research Triangle Park,
429 N.C. 27711, EPA-450/2-78-027R July 1986.
430
431 j) 40 CFR 50, Appendix K (1992), "Interpretation of the National Ambient Air
432 Quality Standard for Particulate Matter".
433

434 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)
435

436 SUBPART B: VISUAL EMISSIONS 437

438 **Section 212.121 Opacity Standards (Repealed)** 439

440 (Source: Repealed at 20 Ill. Reg. 7605, effective May 22, 1996)
441

442 **Section 212.122 Visible Emissions Limitations for Certain Emission Units For Which** 443 **Construction or Modification Commenced On or After April 14, 1972** 444

- 445 a) No person shall cause or allow the emission of smoke or other particulate matter
446 into the atmosphere from any fuel combustion emission unit for which
447 construction or modification commenced on or after April 14, 1972, with actual
448 heat input greater than 73.2 MW (250 mmbtu/hr), having an opacity greater than
449 20 percent.
450
451 b) The emissions of smoke or other particulate matter from any such emission unit
452 may have an opacity greater than 20 percent but not greater than 40 percent for a
453 period or periods aggregating 3 minutes in any 60 minute period, providing that
454 such opaque emission permitted during any 60 minute period shall occur from
455 only one such emission unit located within a 305 m (1000 ft) radius from the
456 center point of any other such emission unit owned or operated by such person

457 and provided further that such opaque emissions permitted from each such fuel
458 combustion emission unit shall be limited to 3 times in any 24 hour period.
459

460 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)
461

462 **Section 212.123 Visible Emissions Limitations for All Other Emission Units**
463

- 464 a) No person shall cause or allow the emission of smoke or other particulate matter,
465 with an opacity greater than 30 percent, into the atmosphere from any emission
466 unit other than those emission units subject to Section 212.122 of this Subpart.
467
- 468 b) The emission of smoke or other particulate matter from any such emission unit
469 may have an opacity greater than 30 percent but not greater than 60 percent for a
470 period or periods aggregating 8 minutes in any 60 minute period provided that
471 such opaque emissions permitted during any 60 minute period shall occur from
472 only one such emission unit located within a 305 m (1000 ft) radius from the
473 center point of any other such emission unit owned or operated by such person,
474 and provided further that such opaque emissions permitted from each such
475 emission unit shall be limited to 3 times in any 24 hour period.
476

477 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)
478

479 **Section 212.124 Exceptions**
480

- 481 a) Sections 212.122 and 212.123 of this Subpart shall apply during times of startup,
482 malfunction and breakdown except as provided in the operating permit granted in
483 accordance with 35 Ill. Adm. Code 201.
484
- 485 b) Sections 212.122 and 212.123 of this Subpart shall not apply to emissions of
486 water or water vapor from an emission unit.
487
- 488 c) An emission unit which has obtained an adjusted opacity standard pursuant to
489 Section 212.126 of this Subpart shall be subject to that standard rather than the
490 limitations of Section 212.122 or 212.123 of this Subpart.
491
- 492 d) Compliance with the particulate regulations of this Part shall constitute a defense.
493
- 494 1) For all emission units which are not subject to Chapters 111 or 112 of the
495 CAA and Sections 212.201, 212.202, 212.203 or 212.204 of this Part but
496 which are subject to Sections 212.122 or 212.123 of this Subpart: the
497 opacity limitations of Sections 212.122 and 212.123 of this Subpart shall
498 not apply if it is shown that the emission unit was, at the time of such
499 emission, in compliance with the applicable particulate emissions
500 limitations of Subparts D through T of this Part.
501
- 502 2) For all emission units which are not subject to Chapters 111 or 112 of the

503 CAA but which are subject to Sections 212.201, 212.202, 212.203 or
504 212.204 of this Part:

505
506 A) An exceedance of the limitations of Section 212.122 or 212.123 of
507 this Subpart shall constitute a violation of the applicable particulate
508 limitations of Subparts D through T of this Part. It shall be a
509 defense to a violation of the applicable particulate limitations if,
510 during a subsequent performance test conducted within a
511 reasonable time not to exceed 60 days, under the same operating
512 conditions for the unit and the control devices, and in accordance
513 with Method 5, 40 CFR part 60, incorporated by reference in
514 Section 212.113 of this Part, the owner or operator shows that the
515 emission unit is in compliance with the particulate emission
516 limitations.

517
518 B) It shall be a defense to an exceedance of the opacity limit if, during
519 a subsequent performance test conducted within a reasonable time
520 not to exceed 60 days, under the same operating conditions of the
521 emission unit and the control devices, and in accordance with
522 Method 5, 40 CFR part 60, Appendix A, incorporated by reference
523 in Section 212.113 of this Part, the owner or operator shows that
524 the emission unit is in compliance with the allowable particulate
525 emissions limitation while, simultaneously, having visible
526 emissions equal to or greater than the opacity exceedance as
527 originally observed.

528
529 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)
530

531 **Section 212.125 Determination of Violations**

532
533 Violations of Sections 212.122 and 212.123 of this Subpart shall be determined:

- 534
535 a) By visual observations conducted in accordance with Section 212.109 of this Part;
536 or
537
538 b) By the use of a calibrated smoke evaluation device approved by the Agency as
539 specified in Subpart J of 35 Ill. Adm. Code 201; or
540
541 c) By the use of a smoke monitor located in the stack and approved by the Agency
542 as specified in Subpart J or L of 35 Ill. Adm. Code 201.
543

544 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)
545

546 **Section 212.126 Adjusted Opacity Standards Procedures**

- 547
548 a) Pursuant to Section 28.1 of the Environmental Protection Act (Act) [415 ILCS

5/28.1], and in accordance with 35 Ill. Adm. Code 106, Subpart E, provisions for adjusted standards for visible emissions for emission units subject to Sections 212.201, 212.202, 212.203, or 212.204 of this Part shall be granted by the Board to the extent consistent with federal law based upon a demonstration by such owner or operator that the results of a performance test conducted pursuant to this Section, Section 212.110 of this Part, and Methods 5 and 9 of 40 CFR part 60, Appendix A, incorporated by reference in Section 212.113 of this Part, show that the emission unit meets the applicable particulate emission limitations at the same time that the visible emissions exceed the otherwise applicable standards of Sections 212.121 through 212.125 of this Subpart. Such adjusted opacity limitations:

- 1) Shall be specified as a condition in operating permits issued pursuant to 35 Ill. Adm. Code 201 and Section 39.5 of the Act;
 - 2) Shall substitute for that limitation otherwise applicable;
 - 3) Shall not allow an opacity greater than 60 percent at any time; and
 - 4) Shall allow opacity for one six-minute averaging period in any 60 minute period to exceed the adjusted opacity standard.
- b) For the purpose of establishing an adjusted opacity standard, any owner or operator of an emission unit which meets the requirements of subsection (a) of this Section, may request the Agency to determine the average opacity of the emissions from the emission unit during any performance tests conducted pursuant to Section 212.110 of this Part and Methods 5 and 9 of 40 CFR part 60, Appendix A, incorporated by reference in Section 212.113 of this Part. The Agency shall refuse to accept the results of emissions tests if not conducted pursuant to this Section.
- c) Any request for the determination of the average opacity of emissions shall be made in writing, shall include the time and place of the performance test and test specifications and procedures, and shall be submitted to the Agency at least thirty (30) days before the proposed test date.
- d) The Agency will advise the owner or operator of an emission unit which has requested an opacity determination of any deficiencies in the proposed test specifications and procedures as expeditiously as practicable but no later than ten (10) days prior to the proposed test date so as to minimize any disruption of the proposed testing schedule.
- e) The owner or operator shall allow Agency personnel to be present during the performance test.
- f) The method for determining an adjusted opacity standard is as follows:

595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640

- 1) A minimum of 60 consecutive minutes of opacity readings obtained in accordance with Test Method 9, 40 CFR part 60, Appendix A, incorporated by reference in Section 212.113 of this Part, shall be taken during each sampling run. Therefore, for each performance test (which normally consists of three sampling runs), a total of three sets of opacity readings totaling three hours or more shall be obtained. Concurrently, the particulate emissions data from three sampling runs obtained in accordance with Test Method 5, 40 CFR part 60, Appendix A, incorporated by reference in Section 212.113 of this Part, shall also be obtained.
 - 2) After the results of the performance tests are received from the emission unit, the status of compliance with the applicable particulate emissions limitation shall be determined by the Agency. In accordance with Test Method 5, 40 CFR part 60, Appendix A, incorporated by reference in Section 212.113 of this Part, the average of the results of the three sampling runs must be less than the allowable particulate emission rate in order for the emission unit to be considered in compliance. If compliance is demonstrated, then only those test runs with results which are less than the allowable particulate emission rate shall be considered as acceptable test runs for the purpose of establishing an adjusted opacity standard.
 - 3) The opacity readings for each acceptable sampling run shall be divided into sets of 24 consecutive readings. The six (6) minute average opacity for each set shall be determined by dividing the sum of the 24 readings within each set by 24.
 - 4) The second highest six (6) minute average opacity obtained in subsection (f)(3) of this Section shall be selected as the adjusted opacity standard.
- g) The owner or operator shall submit a written report of the results of the performance test to the Agency at least thirty (30) days prior to filing a petition for an adjusted standard with the Board.
- h) If, upon review of such owner's or operator's written report of the results of the performance tests, the Agency determines that the emission unit is in compliance with all applicable emission limitations for which the performance tests were conducted, but fails to comply with the requirements of Section 212.122 or 212.123 of this Subpart, the Agency shall notify the owner or operator as expeditiously as practicable, but no later than twenty (20) days after receiving the written report of any deficiencies in the results of the performance tests.
- i) The owner or operator may petition the Board for an adjusted visible emission standard pursuant to 35 Ill. Adm. Code 106.Subpart E. In addition to the requirements of 35 Ill. Adm. Code 106.Subpart E, the petition shall include the

641 following information:

642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686

- 1) A description of the business or activity of the petitioner, including its location and relevant pollution control equipment;
- 2) The quantity and type of materials discharged from the emission unit or control equipment for which the adjusted standard is requested;
- 3) A copy of any correspondence between the petitioner and the Agency regarding the performance tests which form the basis of the adjusted standard request;
- 4) A copy of the written report submitted to the Agency pursuant to subsection (g) of this Section;
- 5) A statement that the performance tests were conducted in accordance with this Section and the conditions and procedures accepted by the Agency pursuant to Section 212.110 of this Part;
- 6) A statement regarding the specific limitation requested; and
- 7) A statement as to whether the Agency has sent notice of deficiencies in the results of the performance test pursuant to subsection (h) of this Section and a copy of said notice.

j) In order to qualify for an adjusted standard the owner or operator must justify as follows:

- 1) That the performance tests were conducted in accordance with Test Methods 5 and 9, 40 CFR part 60, Appendix A, incorporated by reference in Section 212.113 of this Part, and the conditions and procedures accepted by the Agency pursuant to Section 212.110 of this Part;
- 2) That the emission unit and associated air pollution control equipment were operated and maintained in a manner so as to minimize the opacity of the emissions during the performance tests; and
- 3) That the proposed adjusted opacity standard was determined in accordance with subsection (f) of this Section.

k) Nothing in this Section shall prevent any person from initiating or participating in a rulemaking, variance, or permit appeal proceeding before the Board.

(Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

SUBPART D: PARTICULATE MATTER EMISSIONS

FROM INCINERATORS

687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732

Section 212.181 Limitations for Incinerators

- a) No person shall cause or allow the emission of particulate matter into the atmosphere from any incinerator burning more than 27.2 Mg/hr (60,000 lbs/hr) of refuse to exceed 115 mg (0.05 gr/scf) of effluent gases corrected to 12 percent carbon dioxide.
- b) No person shall cause or allow the emission of particulate matter into the atmosphere from any incinerator burning more than 0.907 Mg/hr (2000 lbs/hr) but less than 27.2 Mg/hr (60,000 lbs/hr) of refuse to exceed 183 mg/scm (0.08 gr/scf) of effluent gases corrected to 12 percent carbon dioxide.
- c) No person shall cause or allow the emission of particulate matter into the atmosphere from all other incinerators for which construction or modification commenced prior to April 14, 1972, to exceed 458 mg/scm (0.2 gr/scf) of effluent gases corrected to 12 percent carbon dioxide.
- d) No person shall cause or allow the emission of particulate matter into the atmosphere from all other incinerators for which construction or modification commenced on or after April 14, 1972, to exceed 229 mg/scm (0.1 gr/scf) of effluent gases corrected to 12 percent carbon dioxide.

(Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

Section 212.182 Aqueous Waste Incinerators

Section 212.181(d) of this Subpart shall not apply to aqueous waste incinerators which, when corrected to 50 percent excess air for combined fuel and charge incineration, produce stack gas containing carbon dioxide dry-basis volume concentrations of less than 1.2 percent from the charge alone, if all the following conditions are met:

- a) The emission of particulate matter into the atmosphere from any such incinerator does not exceed 229 mg/scm (0.1 gr/scf), dry basis, when corrected to 50 percent excess air for combined fuel and charge incineration; and
- b) The waste charge to the incinerator does not exceed 907 kg/hr (2000 lbs/hr).

(Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

Section 212.183 Certain Wood Waste Incinerators

Exception: Section 212.181(a), (b) and (d) of this Subpart shall not apply to incinerators which burn wood wastes exclusively, if all the following conditions are met:

- 733 a) The emission of particulate matter from such incinerator does not exceed 458 mg
734 (0.2 gr/scf) of effluent gases corrected to 12 percent carbon dioxide;
735
736 b) The location of such incinerator is not in a restricted area, and is more than 305 m
737 (1000 ft) from residential or other populated areas; and
738
739 c) When it can be affirmatively demonstrated that no economically reasonable
740 alternative method of disposal is available.
741

742 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)
743

744 **Section 212.184 Explosive Waste Incinerators**
745

- 746 a) Section 212.181 of this Subpart shall not apply to certain existing small explosive
747 waste incinerators if all the following conditions are met:
748
749 1) The incinerator burns explosives or explosive contaminated waste
750 exclusively;
751
752 2) The incinerator burns 227 kg/hr (500 lbs/hr) or less of waste;
753
754 3) All incinerators on the same site operate a total of six (6) hours or less in
755 any day; and
756
757 4) The incinerator was in existence prior to December 6, 1976 and is located
758 in Williamson County in Section 3, Township 9 South, Range 2 East of
759 the Third Principal Meridian.
760
761 b) No person shall cause or allow the emission of particulate matter into the
762 atmosphere from any such existing small explosive waste incinerator to exceed
763 7140 mg/kg (50.0 gr/lb) of combined waste and auxiliary fuel burned.
764

765 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)
766

767 **Section 212.185 Continuous Automatic Stoking Animal Pathological Waste Incinerators**
768

- 769 a) Section 212.181 of this Subpart shall not apply to continuous automatic stoking
770 pathological waste incinerators if all of the following conditions are met:
771
772 1) The incinerator burns animal pathological waste exclusively, except as
773 otherwise prescribed by the Agency during specified test operation.
774
775 2) The incinerator burns no more than 907 kg/hr (2000 lbs/hr) of waste.
776
777 3) The incinerator shall be multi-stage controlled air combustion incinerator
778 having cyclical pulsed stoking hearth.

779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818

- b) No person shall cause or allow the emission of particulate matter into the atmosphere from any continuous automatic stoking pathological waste incinerator to exceed 1 gram of emission per 1 kg of animal pathological waste charge (0.1 lb/100 lb).
- c) The particulate matter emissions produced when burning animal pathological waste using gaseous auxiliary fuel, such as natural gas, shall not exceed the lbs/hr emission rate equivalent to the maximum concentration rate set forth in Section 212.181(d) of this Subpart, when applied to burning a maximum of 2000 lb of mixed charge animal pathological waste plus solid waste for demonstration of compliance. "Mixed charge" shall contain no more than 25 percent by weight of solid waste other than animal pathological waste.

(Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

SUBPART E: PARTICULATE MATTER EMISSIONS
FROM FUEL COMBUSTION EMISSION UNITS

Section 212.201 Emission Units For Which Construction or Modification Commenced Prior to April 14, 1972, Using Solid Fuel Exclusively Located in the Chicago Area

No person shall cause or allow the emission of particulate matter into the atmosphere from any fuel combustion emission unit for which construction or modification commenced prior to April 14, 1972, using solid fuel exclusively, located in the Chicago major metropolitan area, to exceed 0.15 kg of particulate matter per MW-hr of actual heat input in any one hour period (0.10 lbs/mmbtu/hr) except as provided in Section 212.203 of this Subpart.

(Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

Section 212.202 Emission Units For Which Construction or Modification Commenced Prior to April 14, 1972, Using Solid Fuel Exclusively Located Outside the Chicago Area

No person shall cause or allow the emission of particulate matter into the atmosphere from any fuel combustion emission unit for which construction or modification commenced prior to April 14, 1972, using solid fuel exclusively, which is located outside the Chicago major metropolitan area, to exceed the limitations specified in the table below in any one hour period except as provided in Section 212.203 of this Subpart.

METRIC UNITS

H (Range) MW	S Kg/MW
Less than or equal to 2.93	1.55

Greater than 2.93 but smaller than 73.2 $3.33 H^{-0.715}$

Greater than or equal to 73.2 0.155

819

ENGLISH UNITS

H (Range)	S
mmbtu/hr	lbs/mmbtu

Less than or equal to 10 1.0

Greater than 10 but smaller than 250 $5.18H^{-0.715}$

Greater than or equal to 250 0.1

820

where:

821

822

S = Allowable emission standard in lbs/mmbtu/hr or kg/MW of actual heat input,
and

H = Actual heat input in mmbtu/hr or MW-hr

823

(Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

824

825

**Section 212.203 Controlled Emission Units For Which Construction or Modification
Commenced Prior to April 14, 1972, Using Solid Fuel Exclusively**

826

827

828

Notwithstanding Sections 212.201 and 212.202 of this Subpart, any fuel combustion emission unit for which construction or modification commenced prior to April 14, 1972, using solid fuel exclusively may, in any one hour period, emit up to, but not exceed 0.31 kg/MW-hr (0.20 lbs/mmbtu), if as of April 14, 1972, any one of the following conditions was met:

829

830

831

832

833

a) The emission unit had an hourly emission rate based on original design or equipment performance test conditions, whichever is stricter, which was less than 0.31 kg/MW-hr (0.20 lbs/mmbtu) of actual heat input, and the emission control of such emission unit is not allowed to degrade more than 0.077 kg/MW-hr (0.05 lbs/mmbtu) from such original design or acceptance performance test conditions;
or

834

835

836

837

838

839

840

b) The emission unit was in full compliance with the terms and conditions of a variance granted by the Pollution Control Board (Board) sufficient to achieve an hourly emission rate less than 0.31 kg/MW-hr (0.20 lbs/mmbtu), and construction has commenced on equipment or modifications prescribed under that program; and emission control of such emission unit is not allowed to degrade more than 0.077 kg/MW-hr (0.05 lbs/mmbtu) from original design or equipment performance test conditions, whichever is stricter; or

841

842

843

844

845

846

847

848
849
850
851
852
853
854
855
856
857
858
859
860
861
862
863
864
865
866
867
868
869
870
871
872
873
874
875
876
877
878
879
880
881
882
883
884
885
886
887
888
889
890
891
892
893

- c) The emission unit had an hourly emission rate based on original design or equipment performance test conditions, whichever is stricter, which was less than 0.31 kg/MW-hr (0.20 lbs/mmbtu) of actual heat input, and the emission control of such emission unit is not allowed to degrade more than 0.077 kg/MW-hr (0.05 lbs/mmbtu) from that rate demonstrated by the most recent stack test, submitted to and accepted by the Agency prior to April 1, 1985, provided that:
- 1) Owners and operators of emission units subject to this subsection shall have applied for a new operating permit by January 9, 1987; and
 - 2) The application for a new operating permit shall have included a demonstration that the proposed emission rate, if greater than the emission rate allowed by subsections (a) or (b) of this Section, will not under any foreseeable operating conditions and potential meteorological conditions cause or contribute to a violation of any applicable primary or secondary ambient air quality standard for particulate matter, or violate any applicable prevention of significant deterioration (PSD) increment, or violate 35 Ill. Adm. Code 201.141.

(Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

Section 212.204 Emission Units For Which Construction or Modification Commenced On or After April 14, 1972, Using Solid Fuel Exclusively

No person shall cause or allow the emission of particulate matter into the atmosphere from any fuel combustion emission unit for which construction or modification commenced on or after April 14, 1972, using solid fuel exclusively to exceed 0.15 kg of particulate matter per MW-hr of actual heat input (0.1 lbs/mmbtu) in any one hour period unless Section 212.202, 212.203, or 212.205 applies.

(Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

Section 212.205 Coal-fired Industrial Boilers For Which Construction or Modification Commenced Prior to April 14, 1972, Equipped with Flue Gas Desulfurization Systems

Notwithstanding Sections 212.201 through 212.204 of this Subpart, no person shall cause or allow the emission of particulate matter into the atmosphere from coal-fired industrial boilers equipped with flue gas desulfurization systems for which construction or modification commenced prior to April 14, 1972, to exceed 0.39 kg of particulate matter per MW-hr of actual heat input in any one-hour period (0.25 lbs/mmbtu). Nothing in this rule shall be construed to prevent compliance with applicable regulations promulgated by the USEPA under Section 111 of the CAA as amended. *The provisions of Section 111 of the Clean Air Act relating to standards of performance for new stationary sources...are applicable in this State and are enforceable under the Act [415 ILCS 5/9.1(b)].*

894 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

895

896 **Section 212.206 Emission Units Using Liquid Fuel Exclusively**

897

898 No person shall cause or allow the emission of particulate matter into the atmosphere in any one
899 hour period to exceed 0.15 kg of particulate matter per MW-hr of actual heat input from any fuel
900 combustion emission unit using liquid fuel exclusively (0.10 lbs/mmbtu).

901

902 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

903

904 **Section 212.207 Emission Units Using More Than One Type of Fuel**

905

906 a) No person, while simultaneously burning more than one type of fuel in a fuel
907 combustion emission unit, shall cause or allow the emission of particulate matter
908 into the atmosphere in any one hour period in excess of the following equation:

909

$$E = AS + BL$$

910

911

912

913

where

- E = Allowable emission rate;
- A = Solid fuel particulate emission standard which is applicable;
- B = Constant determined from the table in subsection (b);
- S = Actual heat input from solid fuel;
- L = Actual heat input from liquid fuel.

914

915 b) The metric and English units to be used in the equation of subsection (a) of this
916 Section are as follows:

917

Parameter	Metric	English
E	kg/hr	lbs/hr
A	kg/MW-hr	lbs/mmbtu
B	0.155	0.10
S	MW	mmbtu/hr
L	MW	mmbtu/hr

918

919 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

920

921 **Section 212.208 Aggregation of Emission Units For Which Construction or Modification**
922 **Commenced Prior to April 14, 1972**

923

924 Section 212.207 of this Subpart may be applied to the aggregate of all fuel combustion emission
925 units for which construction or modification commenced prior to April 14, 1972, vented to a
926 common stack provided that after January 26, 1972:

927

- 928 a) Ductwork has not been modified so as to interconnect such fuel combustion
929 emission units;
930
931 b) The actual heat input to any such fuel combustion emission units is not increased;
932 and
933
934 c) No new fuel combustion emission unit is added to reduce the degree of control of
935 emissions of particulate matter required by this Subpart.
936

937 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)
938

939 **Section 212.209 Village of Winnetka Generating Station (Repealed)**
940

941 (Source: Repealed at 20 Ill. Reg. 7605, effective May 22, 1996)
942

943 **Section 212.210 Emissions Limitations for Certain Fuel Combustion Emission Units**
944 **Located in the Vicinity of Granite City**
945

- 946 a) No person shall cause or allow emissions of PM-10 into the atmosphere to exceed
947 12.9 ng/J (0.03 lbs/mmbtu) of heat input from fuels other than natural gas during
948 any one hour period from any industrial fuel combustion emission units, other
949 than in an integrated iron and steel plant, located in the vicinity of Granite City,
950 which area is defined in Section 212.324(a)(1)(C) of this Subpart.
951
952 b) Emission units shall comply with the emissions limitations of this Section by May
953 11, 1993, or upon initial start-up, whichever occurs later.
954

955 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)
956

957 **SUBPART K: FUGITIVE PARTICULATE MATTER**
958

959 **Section 212.301 Fugitive Particulate Matter**
960

961 No person shall cause or allow the emission of fugitive particulate matter from any process,
962 including any material handling or storage activity, that is visible by an observer looking
963 generally toward the zenith at a point beyond the property line of the source.
964

965 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)
966

967 **Section 212.302 Geographical Areas of Application**
968

- 969 a) Sections 212.304 through 212.310 and 212.312 of this Subpart shall apply to all
970 mining operations (SIC major groups 10 through 14), manufacturing operations
971 (SIC major groups 20 through 39 except for those operations subject to Subpart S
972 of this Part (Grain-Handling and Grain-Drying Operations) that are outside the
973 areas defined in Section 212.324(a)(1) of this Part), and electric generating

974 operations (SIC group 491), which are located in the areas defined by the
975 boundaries of the following townships, notwithstanding any political subdivisions
976 contained therein, as the township boundaries were defined on October 1, 1979, in
977 the following counties:
978

Cook: All townships
Lake: Shields, Waukegan, Warren
DuPage: Addison, Winfield, York
Will: DuPage, Plainfield, Lockport, Channahon, Peotone,
Florence, Joliet
Peoria: Richwoods, Limestone, Hollis, Peoria, City of Peoria
Tazewell: Fondulac, Pekin, Cincinnati, Groveland, Washington
Macon: Decatur, Hickory Point
Rock Island: Blackhawk, Coal Valley, Hampton, Moline, South Moline,
Rock Island, South Rock Island
LaSalle: LaSalle, Utica
Madison: Alton, Chouteau, Collinsville, Edwardsville, Fort Russell,
Godfrey, Granite City, Nameoki, Venice, Wood River
St. Clair: Canteen, Caseyville, Centerville, St. Clair, Stites, Stookey,
Sugar Loaf, Millstadt

979
980 b) In the geographical areas defined in Section 212.324(a)(1) of this Part, Sections
981 212.304 through 212.310, 212.312, and 212.316 of this Subpart shall apply to all
982 emission units identified in subsection (a) of this Section, and shall further apply
983 to the following operations: grain-handling and grain-drying (Subpart S of this
984 Part), transportation, communications, electric, gas, and sanitary services (SIC
985 major groups 40 through 49). Additionally, Sections 212.304 through 212.310,
986 212.312, and 212.316 of this Subpart shall apply to wholesale trade-farm supplies
987 (SIC Industry No. 5191) located in the vicinity of Granite City, as defined in
988 Section 212.324(a)(1)(C) of this Part.

989
990 c) Emission units must comply with subsection (b) of this Section by May 11, 1993,
991 or upon initial start-up, whichever occurs later.

992
993 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

994
995 **Section 212.304 Storage Piles**

996
997 a) All storage piles of materials with uncontrolled emissions of fugitive particulate
998 matter in excess of 45.4 Mg per year (50 T/yr) which are located within a source
999 whose potential particulate emissions from all emission units exceed 90.8 Mg/yr
1000 (100 T/yr) shall be protected by a cover or sprayed with a surfactant solution or
1001 water on a regular basis, as needed, or treated by an equivalent method, in
1002 accordance with the operating program required by Sections 212.309, 212.310
1003 and 212.312 of this Subpart.
1004

1005 b) Subsection (a) of this Section shall not apply to a specific storage pile if the owner
1006 or operator of that pile proves to the Agency that fugitive particulate emissions
1007 from that pile do not cross the property line either by direct wind action or
1008 reentrainment.

1009
1010 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

1011
1012 **Section 212.305 Conveyor Loading Operations**

1013
1014 All conveyor loading operations to storage piles specified in Section 212.304 of this Subpart
1015 shall utilize spray systems, telescopic chutes, stone ladders or other equivalent methods in
1016 accordance with the operating program required by Sections 212.309, 212.310 and 212.312 of
1017 this Subpart.

1018
1019 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

1020
1021 **Section 212.306 Traffic Areas**

1022
1023 All normal traffic pattern access areas surrounding storage piles specified in Section 212.304 of
1024 this Subpart and all normal traffic pattern roads and parking facilities which are located on
1025 mining or manufacturing property shall be paved or treated with water, oils or chemical dust
1026 suppressants. All paved areas shall be cleaned on a regular basis. All areas treated with water,
1027 oils or chemical dust suppressants shall have the treatment applied on a regular basis, as needed,
1028 in accordance with the operating program required by Sections 212.309, 212.310 and 212.312 of
1029 this Subpart.

1030
1031 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

1032
1033 **Section 212.307 Materials Collected by Pollution Control Equipment**

1034
1035 All unloading and transporting operations of materials collected by pollution control equipment
1036 shall be enclosed or shall utilize spraying, pelletizing, screw conveying or other equivalent
1037 methods.

1038
1039 (Source: Amended at 3 Ill. Reg. 45, p. 100, effective October 26, 1979)

1040
1041 **Section 212.308 Spraying or Choke-Feeding Required**

1042
1043 Crushers, grinding mills, screening operations, bucket elevators, conveyor transfer points,
1044 conveyors, bagging operations, storage bins and fine product truck and railcar loading operations
1045 shall be sprayed with water or a surfactant solution, utilize choke-feeding or be treated by an
1046 equivalent method in accordance with an operating program.

1047
1048 (Source: Amended at 3 Ill. Reg. 45, p. 100, effective October 26, 1979)

1049
1050 **Section 212.309 Operating Program**

- 1051
1052 a) The emission units described in Sections 212.304 through 212.308 and Section
1053 212.316 of this Subpart shall be operated under the provisions of an operating
1054 program, consistent with the requirements set forth in Sections 212.310 and
1055 212.312 of this Subpart, and prepared by the owner or operator and submitted to
1056 the Agency for its review. Such operating program shall be designed to
1057 significantly reduce fugitive particulate matter emissions.
1058
1059 b) The amendment to this Section incorporating the applicability of Section 212.316
1060 shall apply by May 11, 1993, or upon initial start-up, whichever occurs later.
1061

1062 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)
1063

1064 **Section 212.310 Minimum Operating Program**
1065

1066 As a minimum the operating program shall include the following:
1067

- 1068 a) The name and address of the source;
1069
1070 b) The name and address of the owner or operator responsible for execution of the
1071 operating program;
1072
1073 c) A map or diagram of the source showing approximate locations of storage piles,
1074 conveyor loading operations, normal traffic pattern access areas surrounding
1075 storage piles and all normal traffic patterns within the source;
1076
1077 d) Location of unloading and transporting operations with pollution control
1078 equipment;
1079
1080 e) A detailed description of the best management practices utilized to achieve
1081 compliance with this Subpart, including an engineering specification of
1082 particulate collection equipment, application systems for water, oil chemicals and
1083 dust suppressants utilized and equivalent methods utilized;
1084
1085 f) Estimated frequency of application of dust suppressants by location of materials;
1086 and
1087
1088 g) Such other information as may be necessary to facilitate the Agency's review of
1089 the operating program.
1090

1091 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)
1092

1093 **Section 212.312 Amendment to Operating Program**
1094

1095 The operating program shall be amended from time to time by the owner or operator so that the
1096 operating program is current. Such amendments shall be consistent with this Subpart and shall

1097 be submitted to the Agency for its review.

1098

1099 (Source: Amended at 3 Ill. Reg. 45, p. 100, effective October 26, 1979)

1100

1101 **Section 212.313 Emission Standard for Particulate Collection Equipment**

1102

1103 If particulate collection equipment is operated pursuant to Sections 212.304 through 212.310 and
1104 212.312 of this Subpart, emissions from such equipment shall not exceed 68 mg/dscm (0.03
1105 gr/dscf).

1106

1107 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

1108

1109 **Section 212.314 Exception for Excess Wind Speed**

1110

1111 Section 212.301 of this Subpart shall not apply and spraying pursuant to Sections 212.304
1112 through 212.310 and 212.312 of this Subpart shall not be required when the wind speed is greater
1113 than 40.2 km/hr (25 mph). Determination of wind speed for the purposes of this rule shall be by
1114 a one-hour average or hourly recorded value at the nearest official station of the U.S. Weather
1115 Bureau or by wind speed instruments operated on the site. In cases where the duration of
1116 operations subject to this rule is less than one hour, wind speed may be averaged over the
1117 duration of the operations on the basis of on-site wind speed instrument measurements.

1118

1119 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

1120

1121 **Section 212.315 Covering for Vehicles**

1122

1123 No person shall cause or allow the operation of a vehicle of the second division as defined by ~~by~~
1124 625 ILCS 5/1-217 or a semi-trailer as defined by 625 ILCS 5/1-187 without a covering sufficient
1125 to prevent the release of particulate matter into the atmosphere, provided that this rule shall not
1126 pertain to automotive exhaust emissions.

1127

1128 (Board Note: Pursuant to Section 10(E) of the Act, Section 212.315 cannot be more strict than
1129 Section 15-109.1 of the Vehicle Code [625 ILCS 5/15-109.1].)

1130

1131 (Source: ~~Amended~~ ~~Repealed~~ at 20 Ill. Reg. 7605, effective May 22, 1996)

1132

1133 **Section 212.316 Emission Limitations for Emission Units in Certain Areas**

1134

1135 a) Applicability. This Section shall apply to those operations specified in Section
1136 212.302 of this Subpart and that are located in areas defined in Section
1137 212.324(a)(1) of this Part.

1138

1139 b) Emission Limitation for Crushing and Screening Operations. No person shall
1140 cause or allow fugitive particulate matter emissions generated by the crushing or
1141 screening of slag, stone, coke or coal to exceed an opacity of 10 percent.

1142

- 1143 c) Emission Limitations for Roadways or Parking Areas. No person shall cause or
1144 allow fugitive particulate matter emissions from any roadway or parking area to
1145 exceed an opacity of 10 percent, except that the opacity shall not exceed 5 percent
1146 at quarries with a capacity to produce more than 1 million T/yr of aggregate.
1147
- 1148 d) Emission Limitations for Storage Piles. No person shall cause or allow fugitive
1149 particulate matter emissions from any storage pile to exceed an opacity of 10
1150 percent, to be measured four ~~feet~~ from the pile surface.
1151
- 1152 e) Additional Emissions Limitations for the Granite City Vicinity as Defined in
1153 Section 212.324(a)(1)(C) of this Part.
1154
- 1155 1) Emissions Limitations for Roadways or Parking Areas Located at Slag
1156 Processing Facilities or Integrated Iron and Steel Manufacturing Plants.
1157 No person shall cause or allow fugitive particulate matter emissions from
1158 any roadway or parking area located at a slag processing facility or
1159 integrated iron and steel manufacturing plant to exceed an opacity of 5
1160 percent.
1161
- 1162 2) Emissions Limitations for Marine Terminals:
1163
- 1164 A) No person shall cause or allow fugitive particulate matter
1165 emissions from any loading spouts for truck or railcar to exceed an
1166 opacity of 10 percent; and
1167
- 1168 B) No person shall cause or allow fugitive particulate matter
1169 emissions generated at barge unloading, dump pits, or conveyor
1170 transfer points including, but not limited to, transfer onto and off of
1171 a conveyor to exceed an opacity of 5 percent.
1172
- 1173 f) Emission Limitation for All Other Emission Units. Unless an emission unit has
1174 been assigned a particulate matter, PM-10, or fugitive particulate matter emissions
1175 limitation elsewhere in this Section or in Subparts R or S of this Part, no person
1176 shall cause or allow fugitive particulate matter emissions from any emission unit
1177 to exceed an opacity of 20 percent.
1178
- 1179 g) Recordkeeping and Reporting
1180
- 1181 1) The owner or operator of any fugitive particulate matter emission unit
1182 subject to this Section shall keep written records of the application of
1183 control measures as may be needed for compliance with the opacity
1184 limitations of this Section and shall submit to the Agency an annual report
1185 containing a summary of such information.
1186
- 1187 2) The records required under this subsection shall include at least the
1188 following:

- 1189
1190
1191
1192
1193
1194
1195
1196
1197
1198
1199
1200
1201
1202
1203
1204
1205
1206
1207
1208
1209
1210
1211
1212
1213
1214
1215
1216
1217
1218
1219
1220
1221
1222
1223
1224
1225
1226
1227
1228
1229
1230
1231
1232
1233
1234
- A) The name and address of the source;
 - B) The name and address of the owner and/or operator of the source;
 - C) A map or diagram showing the location of all emission units controlled, including the location, identification, length, and width of roadways;
 - D) For each application of water or chemical solution to roadways by truck: the name and location of the roadway controlled, application rate of each truck, frequency of each application, width of each application, identification of each truck used, total quantity of water or chemical used for each application and, for each application of chemical solution, the concentration and identity of the chemical;
 - E) For application of physical or chemical control agents: the name of the agent, application rate and frequency, and total quantity of agent, and, if diluted, percent of concentration, used each day; and
 - F) A log recording incidents when control measures were not used and a statement of explanation.
- 3) Copies of all records required by this Section shall be submitted to the Agency within ten (10) working days after a written request by the Agency and shall be transmitted to the Agency by a company-designated person with authority to release such records.
 - 4) The records required under this Section shall be kept and maintained for at least three (3) years and shall be available for inspection and copying by Agency representatives during working hours.
 - 5) A quarterly report shall be submitted to the Agency stating the following: the dates any necessary control measures were not implemented, a listing of those control measures, the reasons that the control measures were not implemented, and any corrective actions taken. This information includes, but is not limited to, those dates when controls were not applied based on a belief that application of such control measures would have been unreasonable given prevailing atmospheric conditions, which shall constitute a defense to the requirements of this Section. This report shall be submitted to the Agency thirty (30) calendar days from the end of a quarter. Quarters end March 31, June 30, September 30, and December 31.
- h) Compliance Date. Emission units shall comply with the emissions limitations and

1235 recordkeeping and reporting requirements of this Section by May 11, 1993, or
1236 upon initial start-up, whichever occurs later.

1237

1238 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

1239

1240 SUBPART L: PARTICULATE MATTER EMISSIONS
1241 FROM PROCESS EMISSION UNITS

1242

1243

1244 **Section 212.321 Process Emission Units For Which Construction or Modification**
1245 **Commenced On or After April 14, 1972**

1246

- 1247 a) Except as further provided in this Part, no person shall cause or allow the
1248 emission of particulate matter into the atmosphere in any one hour period from
1249 any new process emission unit which, either alone or in combination with the
1250 emission of particulate matter from all other similar process emission units for
1251 which construction or modification commenced on or after April 14, 1972, at a
1252 source or premises, exceeds the allowable emission rates specified in subsection
1253 (c) of this Section.

1254

- 1255 b) Interpolated and extrapolated values of the data in subsection (c) of this Section
1256 shall be determined by using the equation:

1257

$$E = A(P^B)$$

1258

1259

1260 where:

1261

1262 P = Process weight rate; and
1263 E = Allowable emission rate; and,

1264

- 1265 1) Up to process weight rates of 408 Mg/hr (450 T/hr):

1266

	Metric	English
P	Mg/hr	T/hr
E	kg/hr	lbs/hr
A	1.214	2.54
B	0.534	0.534

1267

- 1268 2) For process weight rate greater than or equal to 408 Mg/hr (450 T/hr):

1269

	Metric	English
P	Mg/hr	T/hr
E	kg/hr	lbs/hr
A	11.42	24.8
B	0.16	0.16

1270

1271
1272
1273
1274

- c) Limits for Process Emission Units For Which Construction or Modification Commenced On or After April 14, 1972

Metric		English	
P	E	P	E
Mg/hr	kg/hr	T/hr	lbs/hr
0.05	0.25	0.05	0.55
0.1	0.29	0.10	0.77
0.2	0.42	0.20	1.10
0.3	0.64	0.30	1.35
0.4	0.74	0.40	1.58
0.5	0.84	0.50	1.75
0.7	1.00	0.75	2.40
0.9	1.15	1.00	2.60
1.8	1.66	2.00	3.70
2.7	2.1	3.00	4.60
3.6	2.4	4.00	5.35
4.5	2.7	5.00	6.00
9.	3.9	10.00	8.70
13.	4.8	15.00	10.80
18.	5.7	20.00	12.50
23.	6.5	25.00	14.00
27.	7.1	30.00	15.60
32.	7.7	35.00	17.00
36.	8.2	40.00	18.20
41.	8.8	45.00	19.20
45.	9.3	50.00	20.50
90.	13.4	100.00	29.50
140.	17.0	150.00	37.00
180.	19.4	200.00	43.00
230.	22.	250.00	48.50
270.	24.	300.00	53.00
320.	26.	350.00	58.00
360.	28.	400.00	62.00
408.	30.1	450.00	66.00
454.	30.4	500.00	67.00

1275
 1276
 1277
 1278
 1279
 1280
 1281
 1282
 1283
 1284
 1285
 1286

where:

P = Process weight rate in metric or T/hr, and
 E = Allowable emission rate in kg/hr or lbs/hr.

(Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

Section 212.322 Process Emission Units For Which Construction or Modification Commenced Prior to April 14, 1972

a) Except as further provided in this Part, no person shall cause or allow the

1287 emission of particulate matter into the atmosphere in any one hour period from
 1288 any process emission unit for which construction or modification commenced
 1289 prior to April 14, 1972, which, either alone or in combination with the emission of
 1290 particulate matter from all other similar process emission units at a source or
 1291 premises, exceeds the allowable emission rates specified in subsection (c) of this
 1292 Section.

1293
 1294 b) Interpolated and extrapolated values of the data in subsection (c) of this Section
 1295 shall be determined by using the equation:

$$E = C + A(P)^B$$

1298 where:

1300 P = process weight rate; and

1302 E = allowable emission rate; and,

1303
 1304
 1305 1) For process weight rates up to 27.2 Mg/hr (30 T/hr):
 1306
 1307

	Metric	English
P	Mg/hr	T/hr
E	kg/hr	lbs/hr
A	1.985	4.10
B	0.67	0.67
C	0	0

1308
 1309 2) For process weight rates in excess of 27.2 Mg/hr (30 T/hr):
 1310

	Metric	English
P	Mg/hr	T/hr
E	kg/hr	lbs/hr
A	25.21	55.0
B	0.11	0.11
C	-18.4	-40.0

1311
 1312 c) Limits for Process Emission Units For Which Construction or Modification
 1313 Commenced Prior to April 14, 1972
 1314

Metric		English	
P	E	P	E
Mg/hr	kg/hr	T/hr	lbs/hr
0.05	0.27	0.05	0.55
0.1	0.42	0.10	0.87
0.2	0.68	0.20	1.40

0.3	0.89	0.30	1.83
0.4	1.07	0.40	2.22
0.5	1.25	0.50	2.58
0.7	1.56	0.75	3.38
0.9	1.85	1.00	4.10
1.8	2.9	2.00	6.52
2.7	3.9	3.00	8.56
3.6	4.7	4.00	10.40
4.5	5.4	5.00	12.00
9.	8.7	10.00	19.20
13.	11.1	15.00	25.20
18.	13.8	20.00	30.50
23.	16.2	25.00	35.40
27.2	18.15	30.00	40.00
32.0	18.8	35.00	41.30
36.0	19.3	40.00	42.50
41.0	19.8	45.00	43.60
45.0	20.2	50.00	44.60
90.0	23.2	100.00	51.20
140.0	25.3	150.00	55.40
180.0	26.5	200.00	58.60
230.0	27.7	250.00	61.00
270.0	28.5	300.00	63.10
320.0	29.4	350.00	64.90
360.0	30.0	400.00	66.20
400.0	30.6	450.00	67.70
454.0	31.3	500.00	69.00

1315

1316

where:

1317

P = Process weight rate in Mg/hr or T/hr, and

1318

1319

E = Allowable emission rate in kg/hr or lbs/hr.

1320

1321

(Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

1322

1323

Section 212.323 Stock Piles

1324

1325

Sections 212.321 and 212.322 of this Subpart shall not apply to emission units, such as stock piles of particulate matter, to which, because of the disperse nature of such emission units, such rules cannot reasonably be applied.

1327

1328

1329

(Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

1330

1331

Section 212.324 Process Emission Units in Certain Areas

1332

1333

- 1334 a) Applicability.
1335
1336 1) This Section shall apply to any process emission unit located in any of the
1337 following areas:
1338
1339 A) That area bounded by lines from Universal [Transverse](#)
1340 [Mercator-Transmercator](#) (UTM) coordinate 428000mE,
1341 4631000mN, east to 435000mE, 4631000mN, south to 435000mE,
1342 4623000mN, west to 428000mE, 4623000mN, north to
1343 428000mE, 4631000mN, in the vicinity of McCook in Cook
1344 County, as shown in Illustration D of this Part;
1345
1346 B) That area bounded by lines from Universal [Transverse](#)
1347 [Mercator-Transmercator](#) (UTM) coordinate 445000mE,
1348 4622180mN, east to 456265mE, 4622180mN, south to 456265E,
1349 4609020N, west to 445000mE, 4609020mN, north to 445000mE,
1350 4622180mN, in the vicinity of Lake Calumet in Cook County, as
1351 shown in Illustration E of this Part;
1352
1353 C) That area bounded by lines from Universal [Transverse](#)
1354 [Mercator-Transmercator](#) (UTM) coordinate 744000mE,
1355 4290000mN, east to 753000mE, 4290000mN, south to 753000mE,
1356 4283000mN, west to 744000mE, 4283000mN, north to
1357 744000mE, 4290000mN, in the vicinity of Granite City in
1358 Madison County, as shown in Illustration F of this Part.
1359
1360 2) This Section shall not alter the applicability of Sections 212.321 and
1361 212.322 of this Subpart.
1362
1363 3) The emission limitations of this Section are not applicable to any emission
1364 unit subject to a specific emissions standard or limitation contained in any
1365 of the following Subparts of this Part:
1366
1367 A) Subpart N, Food Manufacturing;
1368
1369 B) Subpart Q, Stone, Clay, Glass, and Concrete Manufacturing;
1370
1371 C) Subpart R, Primary and Fabricated Metal Products, and Machinery
1372 Manufacture; and
1373
1374 D) Subpart S, Agriculture.
1375
1376 b) General Emission Limitation. Except as otherwise provided in this Section, no
1377 person shall cause or allow the emission into the atmosphere, of PM-10 from any
1378 process emission unit to exceed 68.7 mg/scm (0.03 gr/scf) during any one hour
1379 period.

1380
1381
1382
1383
1384
1385
1386

- c) Alternative Emission Limitation. In lieu of the emission limit of 68.7 mg/scm (0.03 gr/scf) contained in subsection (b) of this Section, no person shall cause or allow the emissions from the following emission units to exceed the corresponding limitations in the following table:

	Emission Units	Emissions Limit	
		Metric	English
1)	Shotblasting emissions units in the Village of McCook equipped with fabric filters as of June 1, 1991	22.9 mg/scm	0.01 gr/scf
2)	All process emission units at manufacturers of steel wool with soap pads located in the Village of McCook	5% opacity	5% opacity

1387
1388
1389
1390
1391
1392
1393
1394
1395
1396
1397
1398
1399
1400
1401
1402
1403
1404
1405
1406
1407
1408
1409
1410
1411
1412
1413
1414

- d) Exceptions. The mass emission limits contained in subsections (b) and (c) of this Section shall not apply to those emission units with no visible emissions other than fugitive particulate matter; however, if a stack test is performed, this subsection is not a defense to a finding of a violation of the mass emission limits contained in subsections (b) and (c) of this Section.
- e) Special Emissions Limitation for Fuel-Burning Process Emission Units in the Vicinity of Granite City. No person shall cause or allow emissions of PM-10 into the atmosphere to exceed 12.9 ng/J (0.03 lbs/ mmbtu) of heat input from the burning of fuel other than natural gas at any process emission unit located in the vicinity of Granite City as defined in subsection (a)(1)(C) of this Section.
- f) Maintenance and Repair. For any process emission unit subject to subsection (a) of this Section, the owner or operator shall maintain and repair all air pollution control equipment in a manner that assures that the emission limits and standards in this Section shall be met at all times. This Section shall not affect the applicability of 35 Ill. Adm. Code 201.149. Proper maintenance shall include the following minimum requirements:
- 1) Visual inspections of air pollution control equipment;
 - 2) Maintenance of an adequate inventory of spare parts; and
 - 3) Expeditious repairs, unless the emission unit is shutdown.
- g) Recordkeeping of Maintenance and Repair.

- 1415
1416
1417
1418
1419
1420
1421
1422
1423
1424
1425
1426
1427
1428
1429
1430
1431
1432
1433
1434
1435
1436
1437
1438
1439
1440
1441
1442
1443
1444
1445
1446
1447
1448
1449
- 1) Written records of inventory and documentation of inspections, maintenance, and repairs of all air pollution control equipment shall be kept in accordance with subsection (f) of this Section.
 - 2) The owner or operator shall document any period during which any process emission unit was in operation when the air pollution control equipment was not in operation or was malfunctioning so as to cause an emissions level in excess of the emissions limitation. These records shall include documentation of causes for pollution control equipment not operating or such malfunction and shall state what corrective actions were taken and what repairs were made.
 - 3) A written record of the inventory of all spare parts not readily available from local suppliers shall be kept and updated.
 - 4) Copies of all records required by this Section shall be submitted to the Agency within ten (10) working days after a written request by the Agency.
 - 5) The records required under this Section shall be kept and maintained for at least three (3) years and shall be available for inspection and copying by Agency representatives during working hours.
 - 6) Upon written request by the Agency, a report shall be submitted to the Agency for any period specified in the request stating the following: the dates during which any process emission unit was in operation when the air pollution control equipment was not in operation or was not operating properly, documentation of causes for pollution control equipment not operating or not operating properly, and a statement of what corrective actions were taken and what repairs were made.
- h) Compliance Date. Emission units shall comply with the emissions limitations and recordkeeping and reporting requirements of this Section by May 11, 1993, or upon initial start-up, whichever occurs later.

1450
1451 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)
1452

1453 **SUBPART N: FOOD MANUFACTURING**
1454

1455 **Section 212.361 Corn Wet Milling Processes**
1456

1457 Sections 212.321 and 212.322 of this Part shall not apply to feed and gluten dryers in corn wet
1458 milling processes, where the exit gases have a dew point higher than the ambient temperature
1459 and the specific gravity of the material processed is less than 2.0. No person shall cause or allow
1460 the emission of particulate matter into the atmosphere from any such process so as to exceed the

1461 emission standards and limitations specified in Section 212.322 of this Part.

1462

1463 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

1464

1465 **Section 212.362 Emission Units in Certain Areas**

1466

1467 a) Applicability.

1468

1469 1) Subsections (b)(1) through (b)(4) of this Section shall apply to those
1470 emission units engaged in food manufacturing and located in the Village
1471 of Bedford Park west of Archer Avenue and in the area defined in Section
1472 212.324(a)(1)(A) of this Part.

1473

1474 2) Subsection (b)(5) of this Section applies to an instant tea manufacturing
1475 plant in Granite City, as defined in Section 212.324(a)(1)(C) of this Part.

1476

1477 b) Emission Limitation. No person shall cause or allow the emission of PM-10,
1478 other than that of fugitive particulate matter, into the atmosphere to exceed the
1479 following limits during any one hour period:

1480

1481 1) 22.9 mg/scm (0.01 gr/scf) for dextrose dryers, dextrose melt tank systems,
1482 bulk dextrose loading systems, house dry dextrose dust systems,
1483 ~~dextrose~~ bagging machine dust systems, dextrose expansion
1484 dryer/cooler and packing systems and 2034 dextrose dryer/cooler dust
1485 collecting systems;

1486

1487 2) 34.3 mg/scm (0.015 gr/scf) for feed dryers, gluten dryers, germ dryers, and
1488 heat recovery scrubbers;

1489

1490 3) 68.7 mg/scm (0.03 gr/scf) for germ cake transport systems, spent flake
1491 transport/cooling systems, bleaching clay systems, dust pickup bin
1492 systems in Building 26, and pellet cooler systems;

1493

1494 4) 45.8 mg/scm (0.02 gr/scf) for germ transport systems, starch dust
1495 collection systems, dicalite systems, starch processing/transport systems,
1496 starch dryers, starch transport systems, calcium carbonate storage systems,
1497 starch loading systems, corn unloading systems, germ transfer towers,
1498 dextrose transport systems, soda ash unloading systems, corn silo systems,
1499 filter aid systems, spent flake storage systems, corn cleaning transport
1500 systems, feed transport cooling systems, gluten cooling systems, gluten
1501 transport systems, feed dust systems, gluten dust systems, pellet dust
1502 systems, spent flake transport systems, rail car maintenance system
1503 buildings, and dextrose expansion milling and storage systems;

1504

1505 5) 22.9 mg/scm (0.01 gr/scf) for any process emission unit at an instant tea
1506 manufacturing plant in Granite City, except the spray dryer, raw tea

1507 storage silo, and instant tea filling machines.

1508

1509 c) Exceptions. The mass emission limits contained in subsection (b) of this Section
1510 shall not apply to those emission units with no visible emissions other than
1511 fugitive matter; however, if a stack test is performed, this subsection is not a
1512 defense to a finding of a violation of the mass emission limits contained in
1513 subsection (b) of this Section.

1514

1515 d) Maintenance, Repair, and Recordkeeping. The requirements of Sections
1516 212.324(f) and (g) of this Part shall also apply to this Section.

1517

1518 e) Compliance Date. Emission units shall comply with the emissions limitations and
1519 recordkeeping and reporting requirements of this Section by May 11, 1993, or
1520 upon initial start-up, whichever occurs later.

1521

(Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

1522

1523
1524 SUBPART O: PETROLEUM REFINING, PETROCHEMICAL
1525 AND CHEMICAL MANUFACTURING

1526

1527 **Section 212.381 Catalyst Regenerators of Fluidized Catalytic Converters**

1528

1529 Sections 212.321 and 212.322 of this Part shall not apply to catalyst regenerators of fluidized
1530 catalytic converters. No person shall cause or allow the emission rate from catalyst regenerators
1531 of fluidized catalytic converters to exceed in any one hour period the rate determined using the
1532 following equations:

1533

$$E = 4.10 (P)^{0.67} \quad \text{for } P \text{ less than or equal to } 30 \text{ T/hr.}$$

$$E = (55.0 (P)^{0.11}) - 40.0 \quad \text{for } P \text{ greater than } 30 \text{ T/hr.}$$

1534

1535 where:

1536

E = allowable emission rate in lbs/hr, and

P = catalyst recycle rate, including the amount of fresh catalyst added, in T/hr.

1537

(Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

1538

1539
1540 SUBPART Q: STONE, CLAY, GLASS AND
1541 CONCRETE MANUFACTURING

1542

1543 **Section 212.421 Portland Cement Processes For Which Construction or Modification**
1544 **Commenced On or After April 14, 1972**

1545

1546 No person shall cause or allow the emission of smoke or other particulate matter from any
1547 portland cement process for which construction or modification commenced on or after April 14,

1548 1972, into the atmosphere having an opacity greater than 10 percent.

1549

1550 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

1551

1552 **Section 212.422 Portland Cement Manufacturing Processes**

1553

1554 Section 212.321 of this Part shall not apply to the kilns and coolers of portland cement
1555 manufacturing processes.

1556

1557 a) The kilns and clinker coolers of portland cement manufacturing processes for
1558 which construction or modification commenced prior to April 14, 1972, shall
1559 comply with the emission standards and limitations of Section 212.322 of this
1560 Part.

1561

1562 b) The kilns and clinker coolers of portland cement manufacturing processes for
1563 which construction or modification commenced on or after April 14, 1972, shall
1564 comply with the following emission standards and limitations:

1565

1566 1) No person shall cause or allow the emission of particulate matter into the
1567 atmosphere from any such kiln to exceed 0.3 lbs/T of feed to the kiln.

1568

1569 2) No person shall cause or allow the emission of particulate matter into the
1570 atmosphere from any such clinker cooler to exceed 0.1 lbs/T of feed to the
1571 kiln.

1572

1573 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

1574

1575 **Section 212.423 Emission Limits for the Portland Cement Manufacturing Plant Located in**
1576 **LaSalle County, South of the Illinois River (Repealed)**

1577

1578 a) ~~This Section shall apply to the portland cement manufacturing plant in operation~~
1579 ~~before September 1, 1990, located in LaSalle County, south of the Illinois River.~~
1580 ~~This Section shall not alter the applicability of Sections 212.321 and 212.322 of~~
1581 ~~this Part to portland cement manufacturing processes other than those for which~~
1582 ~~alternate emission limits are specified in subsection (b) of this Section. This~~
1583 ~~Section shall not become effective until April 30, 1992.~~

1584

1585 b) ~~No person shall cause or allow emissions to exceed the emission limits set forth~~
1586 ~~below for each process:~~

1587

1)

~~PM-10 Emission Limits~~

kg/hr	Rate (lbs/hr)	Concentration mg/sec	(gr/sec)
------------------	--	---	---------------------

A.	Clinker Cooler	4.67	(10.3)	28.147	(0.012)
----	----------------	------	--------	--------	---------

B.	Finish Mill High Efficiency Air Separator	2.68	(5.90)	26.087	(0.011)
----	---	------	--------	--------	---------

2) PM-10 Emission Limits
Including Condensable PM-10

		Rate		Concentration	
		kg/hr	(lbs/hr)	mg/sec	(gr/scf)
A.	Raw Mill Roller Mill (RMRM)	6.08	(13.4)	27.5	(0.012)

B.	Kiln without RMRM Operating	19.19	(42.3)	91.5	(0.040)
----	-----------------------------	-------	--------	------	---------

C.	Kiln with RMRM	11.43	(25.2)	89.2	(0.039)
----	----------------	-------	--------	------	---------

1588
1589
1590
1591
1592
1593
1594
1595
1596
1597
1598
1599
1600
1601
1602
1603
1604
1605
1606
1607
1608
1609
1610
1611
1612

~~e) No person shall cause or allow any visible emissions from any portland cement manufacturing process emission unit not listed in subsection (b) of this Section.~~

~~d) The owner or operator of any process emission unit subject to subsection (b) or (c) of this Section shall maintain and repair all air pollution control equipment in a manner that assures that the applicable emission limits and standards in subsections (b) or (c) of this Section shall be met at all times. Proper maintenance shall include at least the following requirements:~~

~~1) Visual inspections of air pollution control equipment shall be conducted;~~

~~2) An adequate inventory of spare parts shall be maintained;~~

~~3) Prompt and immediate repairs shall be made upon identification of the need; and~~

~~4) Written records of inventory and documentation of inspections, maintenance, and repairs of all air pollution control equipment shall be kept in accordance with subsection (c) of this Section.~~

~~e) Recordkeeping of Maintenance and Repair.~~

~~1) Written records shall be kept documenting inspections, maintenance, and repairs of all air pollution control equipment. All such records required~~

1613 ~~under this Section shall be kept and maintained for at least three (3) years,~~
1614 ~~shall be available for inspection by the Agency, and, upon request, shall be~~
1615 ~~copied and furnished to Agency representatives during working hours.~~

1616
1617 2) ~~The owner or operator shall document any period during which any~~
1618 ~~process emission unit was in operation when the air pollution control~~
1619 ~~equipment was not in operation or was not operating properly. These~~
1620 ~~records shall include documentation of causes for pollution control~~
1621 ~~equipment not operating or not operating properly, and shall state what~~
1622 ~~corrective actions were taken and what repairs were made. In any quarter~~
1623 ~~during which such a malfunction should occur, the owner or operator shall~~
1624 ~~mail one copy of the documentation to the Agency.~~

1625
1626 3) ~~A written record of the inventory of all spare parts not readily available~~
1627 ~~from local suppliers shall be kept and updated.~~

1628
1629 4) ~~Upon written request by the Agency, the owner or operator shall submit~~
1630 ~~any information required pursuant to this Subpart, for any period of time~~
1631 ~~specified in the request. Such information shall be submitted within ten~~
1632 ~~(10) working days from the date on which the request is received.~~

1633
1634 f) ~~Testing to determine compliance with the emission limits specified for PM-10,~~
1635 ~~condensible PM-10, and detection of visible emissions shall be in accordance with~~
1636 ~~the measurement methods specified in Sections 212.107 and 212.108(a) and (b) of~~
1637 ~~this Part. Ammonium chloride shall be excluded from the measurement of~~
1638 ~~condensible PM-10.~~

1639
1640 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

1641
1642 **Section 212.424 Fugitive Particulate Matter Control for the Portland Cement**
1643 **Manufacturing Plant and Associated Quarry Operations Located in LaSalle County, South**
1644 **of the Illinois River. (Repealed)**

1645
1646 a) ~~Applicability. This Section shall apply to the portland cement manufacturing~~
1647 ~~plant in operation before September 1, 1990, and associated quarry operations~~
1648 ~~located in LaSalle County, south of the Illinois River. Associated quarry~~
1649 ~~operations are those operations involving the removal and disposal of overburden,~~
1650 ~~and the extraction, crushing, sizing, and transport of limestone and shale for usage~~
1651 ~~at the portland cement manufacturing plant. This Section shall not become~~
1652 ~~effective until April 30, 1992.~~

1653
1654 b) ~~Applicability of Subpart K of this Part. This Section shall not alter the~~
1655 ~~applicability of Subpart K: Fugitive Particulate Matter.~~

1656
1657 c) ~~Fugitive Particulate Matter Control Measures For Roadways at the Plant.~~
1658

1659 1) — ~~For the unpaved access roadway to the Illinois Central Silos Loadout, the~~
1660 ~~owner or operator shall spray a 30 percent solution of calcium chloride~~
1661 ~~once every 16 weeks at an application rate of at least 1.58 L/m² (0.35~~
1662 ~~gal/yd²) followed by weekly application of water at a rate of at least 1.58~~
1663 ~~L/m(2) (0.35 gal/yd²). This subsection shall not apply after the roadway is~~
1664 ~~paved.~~

1665
1666 2) — ~~The owner or operator of the portland cement manufacturing plant shall~~
1667 ~~keep written records in accordance with subsection (e) of this Section.~~

1668
1669 d) — ~~Fugitive Particulate Matter Control Measures for Associated Quarry Operations.~~

1670
1671 1) — ~~For the primary crusher, the primary screen, the #3 conveyor from the~~
1672 ~~primary screen to the surge pile, and the surge pile feeders to the #4~~
1673 ~~conveyor, the owner or operator shall spray a chemical foam spray of at~~
1674 ~~least 1 percent solution of chemical foaming agent in water continuously~~
1675 ~~during operations at a rate of at least 1.25 L/Mg (0.30 gal/T) of rock~~
1676 ~~processed.~~

1677
1678 2) — ~~The owner or operator shall water all roadways traveled by trucks to and~~
1679 ~~from the primary crusher in the process of transporting raw limestone and~~
1680 ~~shale to the crusher at an application rate of at least 0.50 L/m² (0.10~~
1681 ~~gal/yd²) applied once every eight hours of operation except under~~
1682 ~~conditions specified in subsection (d)(3) of this Section. Watering shall~~
1683 ~~begin within one hour of commencement of truck traffic each day.~~

1684
1685 3) — ~~Subsection (d)(2) of this Section shall be followed at all times except~~
1686 ~~under the following circumstances:~~

1687
1688 A) — ~~Precipitation is occurring such that there are no visible emissions~~
1689 ~~or if precipitation occurred during the previous 2 hours such that~~
1690 ~~there are no visible emissions;~~

1691
1692 B) — ~~If the ambient temperature is less than or equal to 0° C (32° F); or~~

1693
1694 C) — ~~If ice or snow build-up has occurred on roadways such that there~~
1695 ~~are no visible emissions.~~

1696
1697 4) — ~~The owner or operator of the associated quarry operations shall keep~~
1698 ~~written records in accordance with subsection (e) of this Section.~~

1699
1700 e) — ~~Recordkeeping and Reporting~~

1701
1702 1) — ~~The owner or operator of any portland cement manufacturing plant and/or~~
1703 ~~associated quarry operations subject to this Section shall keep written~~
1704 ~~daily records relating to the application of each of the fugitive particulate~~

1705
1706
1707
1708
1709
1710
1711
1712
1713
1714
1715
1716
1717
1718
1719
1720
1721
1722
1723
1724
1725
1726
1727
1728
1729
1730
1731
1732
1733
1734
1735
1736
1737
1738
1739
1740
1741
1742
1743
1744
1745
1746
1747
1748
1749
1750

~~matter control measures required by this Section.~~

~~2) The records required under this Section shall include at least the following:~~

~~A) The name and address of the plant;~~

~~B) The name and address of the owner or operator of the plant and associated quarry operations;~~

~~C) A map or diagram showing the location of all fugitive particulate matter emission units controlled including the location, identification, length, and width of roadways;~~

~~D) For each application of water or calcium chloride solution, the name and location of the roadway controlled, the water capacity of each truck, application rate of each truck, frequency of each application, width of each application, start and stop time of each application, identification of each water truck used, total quantity of water or calcium chloride used for each application, including the concentration of calcium chloride used for each application;~~

~~E) For application of chemical foam spray solution, the application rate and frequency of application, name of foaming agent, and total quantity of solution used each day;~~

~~F) Name and designation of the person applying control measures; and~~

~~G) A log recording all failures to use control measures required by this Section with a statement explaining the reasons for each failure and, in the case of a failure to comply with the roadway watering requirements of subsection (d)(2) of this Section, a record showing that one of the circumstances for exceptions listed in subsection (d)(3) of this Section existed during the period of the failure. Such record shall include, for example, the periods of time when the measured temperature was less than or equal to 0° C (32° F).~~

~~3) Copies of all records required by this Section shall be submitted to the Agency within ten (10) working days after a written request by the Agency.~~

~~4) The records required under this Section shall be kept and maintained for at least three (3) years and shall be available for inspection and copying by Agency representatives during working hours.~~

1751
1752 5) ~~A quarterly report shall be submitted to the Agency stating the following:~~
1753 ~~the dates required control measures were not implemented, the required~~
1754 ~~control measures, the reasons that the control measures were not~~
1755 ~~implemented, and the corrective actions taken. This report shall include~~
1756 ~~those times when subsection (d) of this Section is involved. This report~~
1757 ~~shall be submitted to the Agency thirty (30) calendar days from the end of~~
1758 ~~a quarter. Quarters end March 31, June 30, September 30, and December~~
1759 ~~31.~~
1760

1761 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)
1762

1763 **Section 212.425 Emission Units in Certain Areas**
1764

- 1765 a) This Section shall apply to those emission units located in those areas defined in
1766 Section 212.324(a)(1) of this Part.
1767
- 1768 b) No person shall cause or allow the emission of PM-10, other than that of fugitive
1769 particulate matter, into the atmosphere to exceed the following limits during any
1770 one hour period:
1771
- 1772 1) 57.2 mg/scm (0.025 gr/scf) for coater and cooling loop ventilator at a
1773 roofing asphalt manufacturing plant located in the Village of Summit;
1774
 - 1775 2) 34.3 mg/scm (0.015 gr/scf) for mineral filler handling emission units at a
1776 roofing asphalt manufacturing plant located in the Village of Summit;
1777
 - 1778 3) 0.03 kg/Mg (0.06 lb/T) of asphalt mixed for asphalt mixer at a roofing
1779 asphalt manufacturing plant located in the Village of Summit;
1780
 - 1781 4) 91.6 mg/scm (0.04 gr/scf) for roofing asphalt blowing stills, except stills
1782 Nos. 1 and 2, at a roofing asphalt manufacturing plant located in the
1783 Village of Summit;
1784
 - 1785 5) 45.8 mg/scm (0.02 gr/scf) for kilns in the lime manufacturing industry;
1786
 - 1787 6) 22.9 mg/scm (0.01 gr/scf) for all other process emission units in the lime
1788 manufacturing industry;
1789
 - 1790 7) 0.325 kg/Mg (0.65 lb/T) of glass produced for all glass melting furnaces.
1791
- 1792 c) The mass emission limits contained in subsection (b) of this Section shall not
1793 apply to those emission units with no visible emissions other than fugitive
1794 particulate matter; however, if a stack test is performed, this subsection is not a
1795 defense to a finding of a violation of the mass emission limits contained in
1796 subsection (b) of this Section.

- 1797
1798 d) The requirements of Section 212.324(f) and (g) of this Part shall also apply to this
1799 Section.
1800
1801 e) Emission units shall comply with the emissions limitations and recordkeeping and
1802 reporting requirements of this Section by May 11, 1993, or upon initial start-up,
1803 whichever occurs later.
1804

1805 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)
1806

1807 **SUBPART R: PRIMARY AND FABRICATED METAL PRODUCTS**
1808 **AND MACHINERY MANUFACTURE**
1809

1810 **Section 212.441 Steel Manufacturing Processes**
1811

1812 Except where noted, Sections 212.321 and 212.322 of this Part shall not apply to the steel
1813 manufacturing processes subject to Sections 212.442 through 212.452 of this Subpart.
1814

1815 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)
1816

1817 **Section 212.442 Beehive Coke Ovens**
1818

1819 No person shall cause or allow the use of beehive ovens in any coke manufacturing process.
1820

1821 (Source: Amended at 3 Ill. Reg. 39, p. 184, effective September 28, 1979)
1822

1823 **Section 212.443 Coke Plants**
1824

1825 a) Subpart B of this Part shall not apply to coke plants.
1826

1827 b) Charging.
1828

1829 1) Uncaptured Emissions:
1830

1831 A) No person shall cause or allow the emission of visible particulate
1832 matter from any coke oven charging operation, from the
1833 introduction of coal into the first charge port, as indicated by the
1834 first mechanical movement of the coal feeding mechanism on the
1835 larry car, to the replacement of the final charge port lid for more
1836 than a total of 125 seconds over 5 consecutive charges; provided
1837 however that 1 charge out of any 20 consecutive charges may be
1838 deemed an uncountable charge at the option of the operator.
1839

1840 B) Compliance with the limitation set forth in subsection (b)(1)(A) of
1841 this Section shall be determined in the following manner:
1842

- 1843
1844
1845
1846
1847
1848
1849
1850
1851
1852
1853
1854
1855
1856
1857
1858
1859
1860
1861
1862
1863
1864
1865
1866
1867
1868
1869
1870
1871
1872
1873
1874
1875
1876
1877
1878
1879
1880
1881
1882
1883
1884
1885
1886
1887
1888
- i) Observation of charging emissions shall be made from any point or points on the topside of a coke oven battery from which a qualified observer can obtain an unobstructed view of the charging operation.
 - ii) The qualified observer shall time the visible emissions with a stopwatch while observing the charging operation. Only emissions from the charge port and any part of the larry car shall be timed. The observation shall commence as soon as coal is introduced into the first charge port as indicated by the first mechanical movement of the coal feeding mechanism on the larry car and shall terminate when the last charge port lid has been replaced. Simultaneous emissions from more than one emission point shall be timed and recorded as one emission and shall not be added individually to the total time.
 - iii) The qualified observer shall determine and record the total number of seconds that charging emissions are visible during the charging of coal to the coke oven.
 - iv) For each charge observed, the qualified observer shall record the total number of seconds of visible emissions, the clock time for the initiation and completion of the charging operation and the battery identification and oven number.
 - v) The qualified observer shall not record any emissions observed after all charging port lids have been firmly seated following removal of the larry car, such as emissions occurring when a lid has been temporarily removed to permit spilled coal to be swept into the oven.
 - vi) In the event that observations from a charge are interrupted, the data from the charge shall be invalidated and the qualified observer shall note on his observation sheet the reason for invalidating the data. The qualified observer shall then resume observation of the next consecutive charge or charges and continue until a set of five charges has been recorded. Charges immediately preceding and following interrupted observations shall be considered consecutive.
- 2) Emissions from Control Equipment
- A) Emissions of particulate matter from control equipment used to capture emissions during charging shall not exceed 0.046 g/dscm

1889 (0.020 gr/dscf). Compliance shall be determined in accordance
1890 with the procedures set forth in 40 CFR part 60, Appendix A,
1891 Methods 1 through 5 incorporated by reference in Section 212.113
1892 of this Part. *The provisions of Section 111 of the Clean Air*
1893 *Act...relating to standards of performance for new stationary*
1894 *sources...are applicable in this State and are enforceable under the*
1895 *Act* [415 ILCS 5/9.1(b)].
1896

1897 B) The opacity of emissions from control equipment shall not exceed
1898 an average of 20 percent, averaging the total number of readings
1899 taken. Opacity readings shall be taken at 15-second intervals from
1900 the introduction of coal into the first charge port as indicated by the
1901 first mechanical movement of the coal feeding mechanism on the
1902 larry car to the replacement of the final charge port lid.
1903 Compliance, except for the number of readings required, shall be
1904 determined in accordance with 40 CFR part 60, Appendix A,
1905 Method 9, incorporated by reference in Section 212.113 of this
1906 Part. *The provisions of Section 111 of the Clean Air Act...relating*
1907 *to standards of performance for new stationary sources...are*
1908 *applicable in this State and are enforceable under the Act* [415
1909 ILCS 5/9.1(b)].
1910

1911 C) Opacity readings of emissions from control equipment shall be
1912 taken concurrently with observations of fugitive particulate matter.
1913 Two qualified observers shall be required.
1914

1915 3) Qualified observers referenced in subsection (b) of this Section shall be
1916 certified pursuant to 40 CFR part 60, Appendix A, Method 9, incorporated
1917 by reference in Section 212.113 of this Part. *The provisions of Section*
1918 *111 of the Clean Air Act...relating to standards of performance for new*
1919 *stationary sources ... are applicable in this State and are enforceable*
1920 *under the Act* [415 ILCS 5/9.1(b)].
1921

1922 c) Pushing:

1923
1924 1) Uncaptured Emissions:

1925
1926 A) Emissions of uncaptured particulate matter from pushing
1927 operations shall not exceed an average of 20 percent opacity for 4
1928 consecutive pushes considering the highest average of six
1929 consecutive readings in each push. Opacity readings shall be taken
1930 at 15-second intervals, beginning from the time the coke falls into
1931 the receiving car or is first visible as it emerges from the coke
1932 guide whichever occurs earlier, until the receiving car enters the
1933 quench tower or quenching device. For a push of less than 90
1934 seconds duration, the actual number of 15-second readings shall be

- 1935 averaged.
- 1936
- 1937 B) Opacity readings shall be taken by a qualified observer located in a
- 1938 position where the oven being pushed, the coke receiving car and
- 1939 the path to the quench tower are visible. The opacity shall be read
- 1940 as the emissions rise and clear the top of the coke battery gas
- 1941 mains. The qualified observer shall record opacity readings of
- 1942 emissions originating at the receiving car and associated equipment
- 1943 and the coke oven, including the standpipe on the coke side of the
- 1944 oven being pushed. Opacity readings shall be taken in accordance
- 1945 with the procedures set forth in 40 CFR part 60, Appendix A,
- 1946 Method 9, incorporated by reference in Section 212.113 of this
- 1947 Part, except that Section 2.5 for data reduction shall not be used.
- 1948 The qualified observer referenced in this subsection shall be
- 1949 certified pursuant to 40 CFR part 60, Appendix A, Method 9,
- 1950 incorporated by reference in Section 212.113. *The provisions of*
- 1951 *Section 111 of the Clean Air Act...relating to standards of*
- 1952 *performance for new stationary sources...are applicable in this*
- 1953 *State and are enforceable under the Act* [415 ILCS 5/9.1(b)].
- 1954
- 1955 2) Emissions from Control Equipment
- 1956
- 1957 A) The particulate emissions from control equipment used to control
- 1958 emissions during pushing operations shall not exceed 0.040 pounds
- 1959 per ton of coke pushed. Compliance shall be determined in
- 1960 accordance with the procedures set forth in 40 CFR part 60,
- 1961 Appendix A, Methods 1-5, incorporated by reference in Section
- 1962 212.113 of this Part. *The provisions of Section 111 of the Clean*
- 1963 *Air Act...relating to standards of performance for new stationary*
- 1964 *sources...are applicable in this State and are enforceable under the*
- 1965 *Act* [415 ILCS 5/9.1(b)]. Compliance shall be based on an
- 1966 arithmetic average of three runs (stack tests) and the calculations
- 1967 shall be based on the duration of a push as defined in subsection
- 1968 (c)(1)(A) of this Section.
- 1969
- 1970 B) The opacity of emissions from control equipment used to control
- 1971 emissions during pushing operations shall not exceed 20%. For a
- 1972 push of less than six minutes duration, the actual number of 15-
- 1973 second readings taken shall be averaged. Compliance shall be
- 1974 determined in accordance with 40 CFR part 60, Appendix A,
- 1975 Method 9, incorporated by reference in Section 212.113 of this
- 1976 Part. *The provisions of Section 111 of the Clean Air Act ... relating*
- 1977 *to standards of performance for new stationary sources ... are*
- 1978 *applicable in this State and are enforceable under the Act* [415
- 1979 ILCS 5/9.1(b)]. Section 2.5 of 40 CFR part 60, Appendix A,
- 1980 Method 9, incorporated by reference in Section 212.113 of this

1981 Part, for data reduction shall not be used for pushes of less than six
1982 minutes duration.

1983
1984 d) Coke Oven Doors.

1985
1986 1) No person shall cause or allow visible emissions from more than 10
1987 percent of all coke oven doors at any time. Compliance shall be
1988 determined by a one pass observation of all coke oven doors on any one
1989 battery.

1990
1991 2) No person shall cause or allow the operation of a coke oven unless there is
1992 on the plant premises at all times an adequate inventory of spare coke
1993 oven doors and seals and unless there is a readily available coke oven door
1994 repair facility.

1995
1996 e) Coke Oven Lids. No person shall cause or allow visible emission from more than
1997 5 percent of all coke oven lids at any time. Compliance shall be determined by a
1998 one pass observation of all coke oven lids.

1999
2000 f) Coke Oven Offtake Piping. No person shall cause or allow visible emissions
2001 from more than 10 percent of all coke oven offtake piping at any time.
2002 Compliance shall be determined by a one pass observation of all coke oven
2003 offtake piping.

2004
2005 g) Coke Oven Combustion Stack.

2006
2007 1) No person shall cause or allow the emission of particulate matter from a
2008 coke oven combustion stack to exceed 110 mg/dscm (0.05 gr/dscf); and

2009
2010 2) No person shall cause or allow the emission of particulate matter from a
2011 coke oven combustion stack to exceed 30% opacity. Compliance shall be
2012 determined in accordance with 40 CFR part 60, Appendix A, Method 9,
2013 incorporated by reference in Section 212.113 of this Part. However, the
2014 opacity limit shall not apply to a coke oven combustion stack when a leak
2015 between any coke oven and the oven's vertical or crossover flues is being
2016 repaired, after pushing coke from the oven is completed, but before
2017 resumption of charging. The exemption from the opacity limit shall not
2018 exceed three (3) hours per oven repaired. The owner or operator shall
2019 keep written records identifying the oven repaired, and the date, time, and
2020 duration of all repair periods. These records shall be subject to the
2021 requirements of Section 212.324(g)(4) and (g)(5) of this Part.

2022
2023 h) Quenching.

2024
2025 1) All coke oven quench towers shall be equipped with grit arrestors or
2026 equipment of comparable effectiveness. Baffles shall cover 95 percent or

- 2027 more of the cross sectional area of the exhaust vent or stack and must be
2028 maintained. Quench water shall not include untreated coke by-product
2029 plant effluent. All water placed on the coke being quenched shall be
2030 quench water.
- 2031
- 2032 2) Total dissolved solids concentrations in the quench water shall not exceed
2033 a weekly average of 1200 mg/L.
- 2034
- 2035 3) The quench water shall be sampled for total dissolved solids
2036 concentrations in accordance with the methods specified in Standard
2037 Methods for the Examination of Water and Wastewater, Section 209C,
2038 "Total ~~Filterable~~Filterable Residue Dried at 103-105° C," 15th Edition,
2039 1980, incorporated by reference in Section 212.113 of this Part. Analyses
2040 shall be performed on grab samples of the quench water as applied to the
2041 coke. Samples shall be collected a minimum of five days per week per
2042 quench tower and analyzed to report a weekly concentration. The samples
2043 for each week shall be analyzed either:
- 2044
- 2045 i) Separately, with the average of the individual daily concentrations
2046 determined; or
- 2047
- 2048 ii) As one composite sample, with equal volumes of the individual
2049 daily samples combined to form the composite sample.
- 2050
- 2051 4) The records required under this subsection shall be kept and maintained
2052 for at least three (3) years and upon prior notice shall be available for
2053 inspection and copying by Agency representatives during work hours.
- 2054
- 2055 i) Work Rules: No person shall cause or allow the operation of a by-product coke
2056 plant except in accordance with operating and maintenance work rules approved
2057 by the Agency.
- 2058

2059 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

2060

2061 **Section 212.444 Sinter Processes**

2062

2063 Emissions of particulate matter from sinter processes shall be controlled as follows:

2064

- 2065 a) Breaker Box. No person shall cause or allow the emission of particulate matter
2066 into the atmosphere from the breaker stack of any sinter process to exceed the
2067 allowable emission rate specified by Section 212.321 of this Part.
- 2068
- 2069 b) Main Windbox. No person shall cause or allow the emission of particulate matter
2070 into the atmosphere from the main windbox of any existing sinter process to
2071 exceed 1.2 times the allowable emission rate specified by Section 212.321 of this
2072 Part.

2073
2074
2075
2076
2077
2078
2079
2080
2081
2082
2083
2084
2085
2086
2087
2088
2089
2090
2091
2092
2093
2094
2095
2096
2097
2098
2099
2100
2101
2102
2103
2104
2105
2106
2107
2108
2109
2110
2111
2112
2113
2114
2115
2116
2117
2118

- c) Balling Mill Drum, Mixing Drum, Pug Mill and Cooler. No person shall cause or allow the emission of visible particulate matter into the atmosphere from any balling mill drum, mixing drum, pug mill or cooler to exceed 30 percent opacity.
- d) Hot and Cold Screens.
 - 1) Particulate matter emissions from all hot and cold screens shall be controlled by air pollution control equipment or an equivalent dust suppression system. Emissions from said air pollution control equipment shall not exceed 69 mg/dscm (0.03 gr/dscf).
 - 2) If the owner or operator can establish that the particulate matter emissions from the hot screens and cold screens do not exceed the aggregate of the allowable emissions as specified by Section 212.321 of this Part or Section 212.322 of this Part, whichever is applicable, then subsection (d)(1) of this Section shall not apply.

(Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

Section 212.445 Blast Furnace Cast Houses

- a) Uncaptured Emissions.
 - 1) Emissions of uncaptured particulate matter from any opening in a blast furnace cast house shall not exceed 20 percent opacity on a six (6) minute rolling average basis beginning from initiation of the opening of the tap hole up to the point where the iron and slag stops flowing in the trough.
 - 2) Opacity readings shall be taken in accordance with the observation procedures set out in 40 CFR part 60, Appendix A, Method 9, incorporated by reference in Section 212.113 of this Part.
- b) Emissions from Control Equipment
 - 1) Particulate matter emissions from control equipment used to collect any of the emissions from the tap hole, trough, iron or slag runners or iron or slag spouts shall not exceed 0.023 g/dscm (0.010 gr/dscf). Compliance shall be determined in accordance with the procedures set out in 40 CFR part 60, Appendix A, Methods 1 through 5, incorporated by reference in Section 212.113 of this Part, and shall be based on the arithmetic average of three runs. Calculations shall be based on the duration of a cast defined in subsection (a)(1) of this Section.
 - 2) The opacity of emissions from control equipment used to collect any of the particulate matter emissions from the tap hole, trough, iron or slag

2119 runners or iron or slag spouts shall not exceed 10 percent on a six (6)
2120 minute rolling average basis. Opacity readings shall be taken in
2121 accordance with the observation procedures set out in 40 CFR part 60,
2122 Appendix A, Method 9, incorporated by reference in Section 212.113 of
2123 this Part.

2124
2125 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

2126
2127 **Section 212.446 Basic Oxygen Furnaces**

2128
2129 Emissions of particulate matter from basic oxygen processes shall be controlled as follows:

- 2130
2131 a) Charging, Refining and Tapping. Particulate matter emissions from all basic
2132 oxygen furnaces (BOF) shall be collected and ducted to pollution control
2133 equipment. Unless subsection (c) of this Section applies, emissions from basic
2134 oxygen furnace operations during the entire cycle (operations from the beginning
2135 of the charging process through the end of the tapping process) shall not exceed
2136 the allowable emission rate specified by Section 212.321 or Section 212.322 of
2137 this Part, whichever is applicable. For purposes of computing the process weight
2138 rate for this subsection, nongaseous material charged to the furnace and process
2139 oxygen shall be included. No material shall be included more than once.
- 2140
2141 b) Hot Metal Transfer, Hot Metal Desulfurization and Ladle Lancing.
- 2142
2143 1) Particulate matter emissions from hot metal transfers to a mixer or ladle,
2144 hot metal desulfurization operations and ladle lancing shall be collected
2145 and ducted to pollution control equipment, and emissions from the
2146 pollution control equipment shall not exceed 69 mg/dscm (0.03 gr/dscf).
- 2147
2148 2) If the owner or operator can establish that the total particulate matter
2149 emissions from hot metal transfers, hot metal desulfurization operations
2150 and ladle lancing operations combined do not exceed the allowable
2151 emissions as specified by Section 212.321 or Section 212.322, whichever
2152 is applicable, where the process weight rate (P) is the hot metal charged to
2153 the BOF vessel, then subsection (b)(1) above shall not apply.
- 2154
2155 c) No person shall cause or allow uncaptured emissions from any opening in the
2156 building housing the BOF shop to exceed an opacity of 20 percent at integrated
2157 iron and steel plants in the vicinity of Granite City, as described in Section
2158 212.324(a)(1)(C) of this Part. Compliance with this subsection shall be
2159 determined in accordance with 40 CFR part 60, Appendix A, Method 9,
2160 incorporated by reference in Section 212.113 of this Part, except that compliance
2161 shall be determined by averaging any 12 consecutive observations taken at 15
2162 second intervals.

2163
2164 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

2165
2166
2167
2168
2169
2170
2171
2172
2173
2174
2175
2176
2177
2178
2179
2180
2181
2182
2183
2184
2185
2186
2187
2188
2189
2190
2191
2192
2193
2194
2195
2196
2197
2198
2199
2200
2201
2202
2203
2204
2205
2206
2207
2208
2209
2210

Section 212.447 Hot Metal Desulfurization Not Located in the BOF

The particulate matter emissions from hot metal desulfurization shall be collected and ducted to pollution control equipment, and emissions from the pollution control equipment shall not exceed 69 mg/dscm (0.03 gr/dscf).

(Source: Amended at 3 Ill. Reg. 39, p. 184, effective September 28, 1979)

Section 212.448 Electric Arc Furnaces

The total particulate emissions from meltdown and refining, charging, tapping, slagging, electrode port leakage and ladle lancing shall not exceed the allowable emission rate specified by Section 212.321 or 212.322 of this Part, whichever is applicable.

(Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

Section 212.449 Argon-Oxygen Decarburization Vessels

The total particulate matter emissions from all charging, refining, alloy addition and tapping operations shall not exceed the allowable emission rate specified by Section 212.321 or Section 212.322 of this Part, whichever is applicable.

(Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

Section 212.450 Liquid Steel Charging

Particulate matter emissions from liquid steel charging in continuous casting operations shall be controlled by chemical or mechanical shrouds or methods of comparable effectiveness.

(Source: Amended at 3 Ill. Reg. 39, p. 184, effective September 28, 1979)

~~SUBPART R: PRIMARY AND FABRICATED
METAL PRODUCTS AND MACHINERY MANUFACTURE~~

Section 212.451 Hot Scarfing Machines

All hot scarfing ~~machines~~ machine shall be controlled by pollution control equipment. Emissions from said pollution control equipment shall not exceed 69 mg/dscm (0.03 gr/dscf) during hot scarfing operations. Provided, however, that the hot scarfing machine existing on January 1, 1987 and operated by the LTV Steel Company, Inc., at its Chicago Works, which employs wet scrubbers, may emit particulate matter in amounts not exceeding 138 mg/dscm (0.06 gr/dscf) during hot scarfing operations so long as emissions do not exceed 23 mg/dscm (0.01 gr/dscf) as an hourly average, as measured per hour.

(Source: Amended in R84-48 at 11 Ill. Reg. 691, effective December 18, 1986)

2211
2212
2213
2214
2215
2216
2217
2218
2219
2220
2221
2222
2223
2224
2225
2226
2227
2228
2229
2230
2231
2232
2233
2234
2235
2236
2237
2238
2239
2240
2241
2242

Section 212.452 Measurement Methods

Particulate matter emissions from emission units subject to Sections 212.441 through 212.451 of this Subpart shall be determined in accordance with procedures published in 40 CFR part 60, Appendix A, Methods 1 through 5, front one-half of the sampling train, incorporated by reference in Section 212.113 of this Part. Visible emission evaluation for determining compliance shall be conducted in accordance with procedures published in 40 CFR part 60, Appendix A, Method 9, incorporated by reference in Section 212.113 of this Part.

(Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

Section 212.455 Highlines on Steel Mills

Section 212.308 of this Part shall not apply to highlines at steel mills.

(Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

Section 212.456 Certain Small Foundries

Sections 212.321 and 212.322 of this Part shall not apply to foundry cupolas if all the following conditions are met:

- a) The cupola was in existence prior to April 15, 1967;
- b) The cupola process weight rate is less than or equal to 20,000 lbs/hr;
- c) The cupola as of April 14, 1972, either:
 - 1) Is in compliance with the following allowable emissions from small foundries covered by this Section:

Process Weight Rate lbs/hr	Allowable Emission Rate lbs/hr
1,000	3.05
2,000	4.70
3,000	6.35
4,000	8.00
5,000	9.58
6,000	11.30
7,000	12.90
8,000	14.30
9,000	15.50
10,000	16.65
12,000	18.70
16,000	21.60

18,000	23.40
20,000	25.10

2243
2244 (Board Note: For process weight rates not listed, straight line interpolation
2245 between two consecutive process weight rates shall be used to determine
2246 allowable emission rates.); or

- 2247
2248 2) Is in compliance with the terms and conditions of a variance granted by
2249 the Pollution Control Board (Board); and construction has commenced on
2250 equipment or modifications sufficient to achieve compliance with
2251 subsection (c)(1) of this Section.

2252
2253 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

2254
2255 **Section 212.457 Certain Small Iron-Melting Air Furnaces**

2256
2257 Section 212.322 of this Part shall not apply to iron-melting air furnaces if all the following
2258 conditions are met:

- 2259
2260 a) The air furnace was in existence prior to April 15, 1967, and is located in
2261 Hoopeston, Vermilion County, Illinois;
2262
2263 b) The air furnace process weight rate is less than or equal to 5,000 lbs/hr;
2264
2265 c) The air furnace as of November 23, 1977, either:
2266
2267 1) Is in compliance with the following allowable emissions from small iron-
2268 melting air furnaces covered by this Section:

Process Weight Rate	Allowable Average Emission Rate
lbs/hr	lbs/hr
1,000	6.10
2,000	9.40
3,000	12.70
4,000	16.00
5,000	19.16

2270
2271 (Board Note: The average emission rate is computed by dividing the sum of the
2272 emissions during operation by the number of hours of operation, excluding any
2273 time during which the equipment is idle. For process weight rates not listed,
2274 straight line interpolation between two consecutive process weight rates shall be
2275 used to determine allowable average emission rates.); or

- 2276
2277 2) Is in compliance with the terms and conditions of a variance granted by
2278 the Board; and construction has commenced on equipment or

2279 modifications sufficient to achieve compliance with subsection (c)(1) of
2280 this Section.

2281

2282 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

2283

2284 **Section 212.458 Emission Units in Certain Areas**

2285

2286 a) Applicability. This Section shall apply to those emission units located in those
2287 areas defined in Section 212.324(a)(1) of this Part.

2288

2289 b) Emission Limitation. No person shall cause or allow emissions of PM-10, other
2290 than that of fugitive particulate matter, into the atmosphere to exceed the
2291 following limits during any one hour period:

2292

2293 1) 15.9 ng/J (0.037 lbs/mmbtu) of heat input from any fuel combustion
2294 emission unit located at the steel plant between 106th and 111th Streets in
2295 City of Chicago;

2296

2297 2) 22.9 mg/scm (0.01 gr/scf) for the basic oxygen furnace additive systems in
2298 the Village of Riverdale;

2299

2300 3) 4.3 ng/J (0.01 lbs/mmbtu) of heat input from the burning of fuel in the
2301 soaking pits in the Village of Riverdale;

2302

2303 4) 64.08 mg/scm (0.028 gr/scf) from the electrostatic precipitator discharge
2304 of the basic oxygen process in the Village of Riverdale;

2305

2306 5) 45.8 mg/scm (0.02 gr/scf) from the pickling process at a steel plant in the
2307 Village of Riverdale;

2308

2309 6) 5 percent opacity for coal handling systems equipped with fabric filters at
2310 a steel plant located in the City of Chicago;

2311

2312 7) 22.9 mg/scm (0.01 gr/scf) from any process emission unit located at
2313 integrated iron and steel plants in the vicinity of Granite City, as defined in
2314 Section 212.324(a)(1)(C) of this Part, except as otherwise provided in this
2315 Section or in Sections 212.443 and 212.446 of this Subpart;

2316

2317 8) 5 percent opacity for continuous caster spray chambers or continuous
2318 casting operations at steel plants in the vicinity of Granite City, as defined
2319 in Section 212.324(a)(1)(C) of this Subpart;

2320

2321 9) 32.25 ng/J (0.075 lbs/mmbtu) of heat input from the burning of coke oven
2322 gas at all emission units, other than coke oven combustion stacks, at steel
2323 plants in the vicinity of Granite City, as defined in Section
2324 212.324(a)(1)(C) of this Subpart;

- 2325
2326
2327
2328
2329
2330
2331
2332
2333
2334
2335
2336
2337
2338
2339
2340
2341
2342
2343
2344
2345
2346
2347
2348
2349
2350
2351
2352
2353
2354
2355
2356
2357
2358
2359
2360
2361
2362
2363
2364
2365
2366
2367
2368
2369
2370
- 10) 38.7 ng/J (0.09 lbs/mmbtu) of heat input from the slab furnaces at steel plants in the vicinity of Granite City, as defined in Section 212.324(a)(1)(C) of this Subpart;
 - 11) 22.9 mg/scm (0.01 gr/scf) for all process emission units at secondary lead processing plant located in Granite City, except the salt flux crusher;
 - 12) 22.9 mg/scm (0.01 gr/scf) for any melting furnace at a secondary aluminum smelting and refining plant in the vicinity of Granite City, as defined in Section 212.324(a)(1)(C) of this Part;
 - 13) 45.8 mg/scm (0.02 gr/scf) from No. 6 mill brusher, and metal chip handling system at a secondary aluminum smelting and refining plant located in the vicinity of Granite City, as defined in Section 212.324(a)(1)(C) of this Part;
 - 14) 0.05 kg/Mg (~~0.10 lb~~^{0.01 lb}/T) of sand processed from molding sand forming systems at a steel foundry plant located in Granite City;
 - 15) 0.01 kg/Mg (0.02 lbs/T) of sand processed from recycle sand shakeouts at a steel foundry plant located in Granite City;
 - 16) At a steel foundry plant located in Granite City:
 - A) 20 percent opacity for all emission units; and
 - B) 22.9 mg/scm (0.01 gr/scf) for all process emission units, except the sand dryer, sand cooler, chill tumbler, paint booth, chromite reclamation, core baking ovens, electric arc shop roof ventilators, and emission units listed in subsections (b)(14) and (b)(15) of this Section;
 - 17) 41.2 mg/scm (0.018 gr/scf) for cold rolling mill emission units at a metal finishing plant located in the Village of McCook;
 - 18) 2.15 ng/J (0.005 lbs/mmbtu) of heat input from the burning of fuel in any process emission unit at a secondary aluminum smelting and refining plant and/or aluminum finishing plant;
 - 19) 22.9 mg/scm (0.01 gr/scf) from dross pad, dross cooling, and dross mixing units at a secondary aluminum smelting and refining plant and/or aluminum finishing plant;
 - 20) 12.9 ng/J (0.03 lbs/mmbtu) of heat input from any fuel combustion emission unit that heats air for space heating purposes at a secondary

- 2371 aluminum smelting and refining plant located in the vicinity of Granite
2372 City, as defined in Section 212.324(a)(1)(C) of this Part;
2373
- 2374 21) 68.7 mg/scm (0.03 gr/scf) for any holding furnace at a secondary
2375 aluminum smelting and refining plant in the vicinity of Granite City, as
2376 defined in Section 212.324(a)(1)(C) of this Part;
2377
- 2378 22) 2.15 ng/J (0.005 lb/mmbtu) of heat input from the steel works boilers
2379 located at the steel making facilities at steel plant in the vicinity of Granite
2380 City, as defined in Section 212.324(a)(1)(C);
2381
- 2382 23) 27.24 kg/hr (60 lbs/hr) and 0.1125 kg/Mg (.225 lbs/T) of total steel in
2383 process, whichever limit is more stringent for the total of all basic oxygen
2384 furnace processes described in Section 212.446(a) of this Subpart and
2385 measured at the BOF stack located at steel plant in the vicinity of Granite
2386 City, as defined in Section 212.324(a)(1)(C) of this Part;
2387
- 2388 24) North and south melting furnaces at a secondary aluminum smelting and
2389 refining plant located in the vicinity of Granite City, as defined in Section
2390 212.324(a)(1)(C) of this Part, cannot be operated simultaneously;
2391
- 2392 25) Magnesium pot furnaces at a secondary aluminum smelting and refining
2393 plant located in the vicinity of Granite City, as defined in Section
2394 212.324(a)(1)(C) of this Part, can be operated no more than two lines at a
2395 time;
2396
- 2397 26) 2.15 ng/J (0.005 lbs/mmbtu) of heat input from any fuel combustion
2398 emission unit at a secondary aluminum smelting and refining plant and/or
2399 aluminum finishing plant except as provided in subsection (b)(20) of this
2400 Section;
2401
- 2402 27) 91.6 mg/scm (0.040 gr/scf) and 0.45 kg/hr (1 lb/hr) for melting furnaces
2403 Nos. 6, 7, and 8 at a metal finishing plant in the Village of McCook, with
2404 operation limited to no more than two of these furnaces at one time;
2405
- 2406 28) 183 mg/scm (0.080 gr/scf) and 0.91 kg/hr (2 lbs/hr) for holding furnaces
2407 Nos. 6, 7, and 8 at a metal finishing plant in the Village of McCook, with
2408 operation limited to no more than two of these furnaces at one time;
2409
- 2410 29) 54.9 mg/scm (0.024 gr/scf) and 1.81 kg/hr (4 lbs/hr) for melting furnaces
2411 Nos. 24, 25, and 26 at a metal finishing plant in the Village of McCook;
2412
- 2413 30) 34.3 mg/scm (0.015 gr/scf) and 1.81 kg/hr (4 lbs/hr) for melting furnaces
2414 Nos. 27, 28, 29, and 30 at a metal finishing plant in the Village of
2415 McCook;
2416

- 2417 31) 32.0 mg/scm (0.014 gr/scf) and 0.45 kg/hr (1 lb/hr) for holding furnaces
2418 Nos. 24, 25, and 26 at a metal finishing plant in the Village of McCook,
2419 except that during fluxing operation those furnaces may emit 195 mg/scm
2420 (0.085 gr/scf) and 2.72 kg/hr (6 lbs/hr);
2421
2422 32) 34.3 mg/scm (0.015 gr/scf) and 0.45 kg/hr (1 lb/hr) for holding furnaces
2423 Nos. 27, 28, 29, and 30 at a metal finishing plant in the Village of
2424 McCook, except that during fluxing operation those furnaces may emit
2425 217 mg/scm (0.095 gr/scf) and 2.72 kg/hr (6 lbs/hr);
2426
2427 33) Fluxing operations at holding furnaces Nos. 24, 25, 26, 27, 28, 29, and 30
2428 at a metal finishing plant in the Village of McCook shall be limited to no
2429 more than three at any one time.
2430
2431 c) Exceptions. The mass emission limits contained in subsection (b) of this Section
2432 shall not apply to those emission units with no visible emissions other than that of
2433 fugitive particulate matter; however, if a stack test is performed, this subsection is
2434 not a defense to a finding of a violation of the mass emission limits contained in
2435 subsection (b) of this Section.
2436
2437 d) Maintenance, Repair, and Recordkeeping. The requirements of Section
2438 212.324(f) and (g) of this Part shall also apply to this Section.
2439
2440 e) Compliance with this Section is required by December 10, 1993, or upon initial
2441 start-up, whichever occurs later.
2442

2443 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)
2444

2445 SUBPART S: AGRICULTURE 2446

2447 **Section 212.461 Grain-Handling and Drying in General** 2448

- 2449 a) Sections 212.302(a), 212.321, and 212.322 of this Part shall not apply to grain-
2450 handling and grain-drying operations, portable grain-handling equipment and one-
2451 turn storage space.
2452
2453 b) Housekeeping Practices. All grain-handling and grain-drying operations,
2454 regardless of size, must implement and use the following housekeeping practices:
2455
2456 1) Air pollution control devices shall be checked daily and cleaned as
2457 necessary to insure proper operation.
2458
2459 2) Cleaning and Maintenance.
2460
2461 A) Floors shall be kept swept and cleaned from boot pit to cupola
2462 floor. Roof or bin decks and other exposed flat surfaces shall be

- 2463 kept clean of grain and dust that would tend to rot or become
2464 airborne.
2465
- 2466 B) Cleaning shall be handled in such a manner as not to permit dust to
2467 escape to the atmosphere.
2468
- 2469 C) The yard and surrounding open area, including but not limited to
2470 ditches and curbs, shall be cleaned to prevent the accumulation of
2471 rotting grain.
2472
- 2473 3) Dump Pit.
2474
- 2475 A) Aspiration equipment shall be maintained and operated.
2476
- 2477 B) Dust control devices shall be maintained and operated.
2478
- 2479 4) Head House. The head house shall be maintained in such a fashion that
2480 visible quantities of dust or dirt are not allowed to escape to the
2481 atmosphere.
2482
- 2483 5) Property. The yard and driveway of any source shall be asphalted, oiled
2484 or equivalently treated to control dust.
2485
- 2486 6) Housekeeping Check List. Housekeeping check lists to be developed by
2487 the Agency shall be completed by the manager and maintained on the
2488 premises for inspection by Agency personnel.
2489
- 2490 c) Exemptions. Any grain-handling operation for which construction or
2491 modification commenced prior to June 30, 1975, having a grain through-put of
2492 not more than 2 million bushels per year and located inside a major population
2493 area and any grain-handling operation or grain-drying operation for which
2494 construction or modification commenced prior to June 30, 1975, located outside
2495 of a major population area which is required to apply for a permit pursuant to
2496 Sections 212.462 and 212.463 of this Subpart, respectively, shall receive such
2497 permit notwithstanding the control requirements of those respective rules
2498 provided said operation can demonstrate that the following conditions exist upon
2499 application for, or renewal of, an operating permit:
2500
- 2501 1) The requirements of subsection (b) of this Section are being met; and
2502
- 2503 2) No certified investigation is on file with the Agency indicating that there is
2504 an alleged violation prior to issuance of the permit.
2505
- 2506 A) If a certified investigation is on file with the Agency indicating an
2507 alleged violation, any applicant may obtain an exemption for
2508 certain operations if said applicant can prove to the Agency that

- 2509 those parts of his operation for which he seeks exemption are not
2510 the probable cause of the alleged violation.
2511
- 2512 B) Applicants requesting an exemption in accordance with the
2513 provisions of subsection (c)(2)(A) of this Section may be granted
2514 an operating permit for a limited time, not to exceed twelve (12)
2515 months in duration, if an objection is on file with the Agency on
2516 which a certified investigation has not been made prior to issuance
2517 of the permit.
2518
- 2519 C) An applicant may consider denial of an exemption under this rule
2520 as a refusal by the Agency to issue a permit. This shall entitle the
2521 applicant to appeal the Agency's decision to the Board pursuant to
2522 Section 40 of the Act [415 ILCS 5/40].
2523
- 2524 d) Loss of Exemption. Any grain-handling operation or grain-drying operation for
2525 which construction or modification commenced prior to June 30, 1975, that has
2526 received an operating permit pursuant to the provisions of subsection (c) of this
2527 Section shall apply for an operating and/or construction permit pursuant to 35 Ill.
2528 Adm. Code 201 within sixty (60) days after receipt of written notice from the
2529 Agency that a certified investigation is on file with the Agency indicating that
2530 there is an alleged violation against the operation. The construction permit
2531 application shall include a compliance plan and project completion schedule
2532 showing the grain-handling operation's program or grain-drying operation's
2533 program for complying with the standards and limitations of Section 212.462 or
2534 212.463 of this Subpart as the case may be, within a reasonable time after the date
2535 on which notice of a certified investigation indicating alleged pollution was
2536 received by said operation; provided, however, any such operation shall not be
2537 required to reduce emissions from those parts of the operation that the applicant
2538 can prove to the Agency are not the probable cause of the pollution alleged in the
2539 certified investigation.
2540
- 2541 1) The written notice of loss of exemption is not a final action of the Agency
2542 appealable to the Board.
2543
- 2544 2) Denial of a permit requested pursuant to this subsection is a final action
2545 appealable to the Board under Section 40 of the Act [415 ILCS 5/40].
2546
- 2547 e) Circumvention. It shall be a violation of this regulation for any person or persons
2548 to attempt to circumvent the requirements of this regulation by establishing a
2549 pattern of ownership or source development which, except for such pattern of
2550 ownership or source development, would otherwise require application of Section
2551 212.462 or 212.463 of this Subpart.
2552
- 2553 f) Standard on Appeal to Board. In ruling on any appeal of a permit denial under
2554 subsection (c) or (d) of this Section, the Board shall not order the permit to be

2555 issued by the Agency unless the applicant who has appealed the permit denial has
2556 proved to the Board that the grain-handling operation or grain-drying operation
2557 which is the subject of the denied application is not injurious to human, plant or
2558 animal life, to health, or to property, and does not unreasonably interfere with the
2559 enjoyment of life or property.

2560

2561 g) Alternate Control of Particulate Emissions.

2562

2563 1) Grain-handling or grain-drying operations, which were in numerical
2564 compliance with Section 212.322 of this Part, as of April 14, 1972, and
2565 continue to be in compliance with Section 212.322 of this Part need not
2566 comply with the provisions under this Subpart, except the housekeeping
2567 practices in this subsection and subsection (b) of this Section.

2568

2569 2) Grain-handling or grain-drying operations, which were not in numerical
2570 compliance with Section 212.322 of this Part, as of April 14, 1972, but
2571 which came into compliance with Section 212.321 of this Part prior to
2572 April 14, 1972, and continue to be in compliance with Section 212.321 of
2573 this Part need not comply with the provisions under this Subpart, except
2574 the housekeeping practices in this subsection and in subsection (b) of this
2575 Section.

2576

2577 3) Proof of compliance with said rule shall be made by stack sampling and/or
2578 material balance results obtained from actual testing of the subject
2579 emission unit or process and be submitted at the time of an application for,
2580 or renewal of, an operating permit.

2581

2582 h) Severability. If any provision of these rules and regulations is adjudged invalid,
2583 such invalidity shall not affect the validity of this 35 Ill. Adm. Code, Subtitle B,
2584 Chapter I as a whole or of any Part, Subpart, sentence or clause thereof not
2585 adjudged invalid.

2586

2587 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

2588

2589 **Section 212.462 Grain-Handling Operations**

2590

2591 Unless otherwise exempted pursuant to Section 212.461(c) or (d) of this Subpart, or allowed to
2592 use alternate control according to Section 212.461(g) of this Subpart, existing grain-handling
2593 operations with a total annual grain through-put of 300,000 bushels or more shall apply for an
2594 operating permit pursuant to 35 Ill. Adm. Code 201, and shall demonstrate compliance with the
2595 following:

2596

2597 a) Cleaning and Separating Operations.

2598

2599 1) Particulate matter generated during cleaning and separating operations
2600 shall be captured to the extent necessary to prevent visible particulate

2601 matter emissions directly into the atmosphere.

2602

2603 2) For grain-handling sources having a grain through-put of not more than 2
2604 million bushels per year or located outside a major population area, air
2605 contaminants collected from cleaning and separating operations shall be
2606 conveyed through air pollution control equipment which has a rated and
2607 actual particulate removal efficiency of not less than 90 percent by weight
2608 prior to release into the atmosphere.

2609

2610 3) For grain-handling sources having a grain through-put exceeding 2 million
2611 bushels per year and located within a major population area, air
2612 contaminants collected from cleaning and separating operations shall be
2613 conveyed through air pollution control equipment which has a rated and
2614 actual particulate removal efficiency of not less than 98 percent by weight
2615 prior to release into the atmosphere.

2616

2617 b) Major Dump-Pit Area.

2618

2619 1) Induced Draft.

2620

2621 A) Induced draft shall be applied to major dump pits and their
2622 associated equipment (including, but not limited to, boots, hoppers
2623 and legs) to such an extent that a minimum face velocity is
2624 maintained, at the effective grate surface, sufficient to contain
2625 particulate emissions generated in unloading operations. The
2626 minimum face velocity at the effective grate surface shall be at
2627 least 200 fpm, which shall be determined by using the equation:

2628

$$2629 \quad V = Q/A$$

2630

2631 where:

2632

- V = face velocity; and
- Q = induced draft volume in scfm; and
- A = effective grate area in ft²; and

2633

2634 B) The induced draft air stream for grain-handling sources having a
2635 grain through-put of not more than 2 million bushels per year or
2636 located outside a major population area shall be confined and
2637 conveyed through air pollution control equipment which has an
2638 overall rated and actual particulate collection efficiency of not less
2639 than 90 percent by weight; and

2640

2641 C) The induced draft air stream for grain-handling sources having a
2642 grain through-put exceeding 2 million bushels per year and located
2643 in a major population area shall be confined and conveyed through

2644 air pollution control equipment which has an overall rated and
2645 actual particulate collection efficiency of not less than 98 percent
2646 by weight; and

2647
2648 D) Means or devices (including, but not limited to, quick-closing
2649 doors, air curtains or wind deflectors) shall be employed to prevent
2650 a wind velocity in excess of 50 percent of the induced draft face
2651 velocity at the pit; provided, however, that such means or devices
2652 do not have to achieve the same degree of prevention when the
2653 ambient air wind exceeds 25 mph. The wind velocity shall be
2654 measured, with the induced draft system not operating, at a point
2655 midway between the dump-pit area walls at the point where the
2656 wind exits the dump-pit area, and at a height above the dump-pit
2657 area floor of approximately 2 ft; or

2658
2659 2) Any equivalent method, technique, system or combination thereof
2660 adequate to achieve, at a minimum, a particulate matter emission reduction
2661 equal to the reduction which could be achieved by compliance with
2662 subsection (b)(1) of this Section.

2663
2664 (Board Note: Pursuant to Section 9 of the Act, certain country grain elevators are
2665 exempt from subsection (b) of this Section.)

2666
2667 c) Internal Transferring Area.

2668
2669 1) Internal transferring area shall be enclosed to the extent necessary to
2670 prohibit visible particulate matter emissions directly into the atmosphere.

2671
2672 2) Air contaminants collected from internal transfer operations for grain-
2673 handling sources having a grain through-put of not more than 2 million
2674 bushels per year or located outside a major population area shall be
2675 conveyed through air pollution control equipment which has a rated and
2676 actual particulate removal efficiency of not less than 90 percent by weight
2677 prior to release into the atmosphere.

2678
2679 3) Air contaminants collected from internal transfer operations for grain-
2680 handling sources having a grain through-put exceeding 2 million bushels
2681 per year and located in a major population area shall be conveyed through
2682 air pollution control equipment which has a rated and actual particulate
2683 removal efficiency of not less than 98 percent by weight prior to release
2684 into the atmosphere.

2685
2686 d) Load-Out Area.

2687
2688 1) Truck and hopper car loading shall employ socks, sleeves or equivalent
2689 devices which extend 6 inches below the sides of the receiving vehicle,

2690 except for topping off. Choke loading shall be considered an equivalent
2691 method as long as the discharge is no more than 12 inches above the sides
2692 of the receiving vehicle.

2693
2694 2) Box car loading shall employ means or devices to prevent the emission of
2695 particulate matter into the atmosphere to the fullest extent which is
2696 technologically and economically feasible.

2697
2698 3) Watercraft Loading.
2699
2700 A) Particulate matter emissions generated during loading for grain-
2701 handling sources having a grain through-put of not more than 2
2702 million bushels per year or located outside a major population area
2703 shall be captured in an induced draft air stream, which shall be
2704 ducted through air pollution control equipment that has a rated and
2705 actual particulate matter removal efficiency of not less than 90
2706 percent by weight prior to release into the atmosphere.

2707
2708 B) Particulate matter emissions generated during loading for grain-
2709 handling sources having a grain through-put exceeding 2 million
2710 bushels per year and located in a major population area shall be
2711 captured in an induced draft air stream, which shall be ducted
2712 through air pollution control equipment that has a rated and actual
2713 particulate removal efficiency of not less than 98 percent by weight
2714 prior to release into the atmosphere; except for the portion of grain
2715 loaded by trimming machines for which particulate matter
2716 emission reductions, at a minimum, shall equal the reduction
2717 achieved by compliance with subsection (d)(3)(A) of this Section.

2718
2719 e) New and Modified Grain-Handling Operations. Grain-handling operations for
2720 which construction or modification commenced on or after June 30, 1975, shall
2721 file applications for construction and operating permits pursuant to 35 Ill. Adm.
2722 Code 201, and shall comply with the control equipment requirements of this
2723 Section, except for grain-handling operations for which construction or
2724 modification commenced on or after June 30, 1975, which will handle an annual
2725 grain through-put of less than 300,000 bushels; provided, however, that for the
2726 purpose of this Subpart, an increase in the annual grain through-put, without
2727 physical alterations or additions to the grain-handling operation, shall not be
2728 considered a modification unless such increase exceeds 30 percent of the annual
2729 grain through-put on which the operation's original construction and/or operating
2730 permit was granted. If the grain-handling operation has been operating lawfully
2731 without a permit, its annual grain through-put shall be determined as set forth in
2732 the definition of the term "annual grain through-put."

2733
2734 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

2735

2736 **Section 212.463 Grain Drying Operations**

2737

2738 Unless otherwise exempted pursuant to Section 212.461(c) or (d) of this Subpart or allowed to
2739 use alternate control according to Section 212.461(g) of this Subpart, grain-drying operations for
2740 which construction or modification commenced prior to June 30, 1975, with a total grain-drying
2741 capacity in excess of 750 bushels per hour for 5 percent moisture extraction at manufacturer's
2742 rated capacity (using the American Society of Agricultural Engineers Standard 248.2, Section 9,
2743 Basis for Stating Drying Capacity of Batch and Continuous-Flow Grain Dryers, incorporated by
2744 reference in Section 212.113 of this Part) shall be operated in such a fashion as to preclude the
2745 emission of particulate matter larger than 300 microns mean particle diameter, shall apply for an
2746 operating permit pursuant to 35 Ill. Adm. Code 201, and shall comply with the following:

2747

2748 a) Column Dryers. The largest effective circular diameter of transverse perforations
2749 in the external sheeting of a column dryer shall not exceed 0.094 inch, and the
2750 grain inlet and outlet shall be enclosed.

2751

2752 b) Rack Dryers. No portion of the exhaust air of rack dryers shall be emitted to the
2753 ambient atmosphere without having passed through a particulate collection screen
2754 having a maximum opening of 50 mesh, U.S. Sieve Series.

2755

2756 1) All such screens will have adequate self-cleaning mechanisms, the exhaust
2757 gas of which for grain-handling facilities having a grain through-put of not
2758 more than 2 million bushels per year or located outside a major population
2759 area shall be ducted through air pollution control equipment which has a
2760 rated and actual particulate removal efficiency of 90 percent by weight
2761 prior to release into the atmosphere.

2762

2763 2) All such screens will have adequate self-cleaning mechanisms, the exhaust
2764 gas of which for grain-handling sources having a grain through-put
2765 exceeding 2 million bushels per year and located in a major population
2766 area shall be ducted through air pollution control equipment which has a
2767 rated and actual particulate removal efficiency of 98 percent by weight
2768 prior to release into the atmosphere.

2769

2770 c) Other Types of Dryers. All other types of dryers shall be controlled in a manner
2771 which shall result in the same degree of control required for rack dryers pursuant
2772 to subsection (b) of this Section.

2773

2774 d) New and Modified Grain-Drying Operations. Grain-drying operations
2775 constructed or modified on or after June 30, 1975, shall file applications for
2776 construction and operating permits pursuant to 35 Ill. Adm. Code 201, and shall
2777 comply with the control equipment requirements of this Section, except for new
2778 and modified grain-drying operations which do not result in a total grain-drying
2779 capacity in excess of 750 bushels per hour for 5 percent moisture extraction at
2780 manufacturer's rated capacity, using the American Society of Agricultural
2781 Engineer Standard 248.2, Section 9, Basis for Stating Drying Capacity of Batch

2782 and Continuous-Flow Grain Dryers.

2783

2784 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

2785

2786 **Section 212.464 Sources in Certain Areas**

2787

2788 a) **Applicability.** Notwithstanding Section 212.461 of this Subpart, this Section shall
2789 apply to those sources located in the Lake Calumet area as defined in Section
2790 212.324(a)(1)(B) of this Part.

2791

2792 b) **Emission Limitations**

2793

2794 1) No person shall cause or allow the emission of PM-10, other than that of
2795 fugitive particulate matter, into the atmosphere to exceed 22.9 mg/scm
2796 (0.01 gr/scf) during any one hour period from any process emission unit
2797 engaged in the drying, storing, mixing or treating of grain except for
2798 column grain dryers; in addition, no person shall cause or allow visible
2799 emissions of PM-10 other than fugitive particulate matter from grain
2800 conveying, transferring, loading, or unloading operations, including
2801 garners, scales, and cleaners.

2802

2803 2) No person shall cause or allow the emission of fugitive particulate matter
2804 into the atmosphere from barges and other watercraft, truck or rail loading
2805 or unloading systems to exceed the limits specified in Section 212.123 of
2806 this Part.

2807

2808 3) Column grain dryers shall not be eligible for the exemptions as provided
2809 in Section 212.461(g) of this Part.

2810

2811 c) **Exceptions.** The mass emission limits contained in subsection (b) of this Section
2812 shall not apply to those sources with no visible emissions other than fugitive
2813 particulate matter; however, if a stack test is performed, this subsection is not a
2814 defense to a finding of a violation of the mass emission limits contained in
2815 subsection (b) of this Section.

2816

2817 d) **Maintenance, Repair, and Recordkeeping.** The requirements of Section
2818 212.324(f) and (g) of this Part shall also apply to this Section.

2819

2820 e) **Compliance Date.** Emission units shall comply with the emission limitations and
2821 recordkeeping and reporting requirements of this Section May 11, 1993, or upon
2822 initial start-up, whichever occurs later.

2823

2824 (Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996)

2825

2826 **SUBPART T: CONSTRUCTION AND WOOD PRODUCTS**

2827

2828 **Section 212.681 Grinding, Woodworking, Sandblasting and Shotblasting**

2829

2830 Sections 212.321 and 212.322 of this Part shall not apply to the following industries, which shall
2831 be subject to Subpart K of this Part:

2832

2833 a) Grinding;

2834

2835 b) Woodworking; and

2836

2837 c) Sandblasting or shotblasting.

2838

2839 [\(Source: Amended at 20 Ill. Reg. 7605, effective May 22, 1996\)](#)

2840

2841 SUBPART U: ADDITIONAL CONTROL MEASURES

2842

2843 **Section 212.700 Applicability**

2844

2845 a) This Subpart shall apply to those sources in the areas designated in and subject to
2846 Sections 212.324(a)(1) ~~or 212.423(a)~~ and that have actual annual source-wide
2847 emissions of PM-10 of at least fifteen (15) tons per year.

2848

2849 b) A source's actual annual source-wide emissions of PM-10 shall be the total of its
2850 fugitive emissions and its stack emissions from process emission units and fuel
2851 combustion emission units and as set forth in the source's Annual Emissions
2852 Report submitted pursuant to 35 Ill. Adm. Code 254 or, for a newly-constructed
2853 source or emission unit, the estimated emissions included in the permit
2854 application.

2855

2856 (Source: Added at 18 Ill. Reg. 11587, effective July 11, 1994)

2857

2858 **Section 212.701 Contingency Measure Plans, Submittal and Compliance Date**

2859

2860 a) Those sources subject to this Subpart shall prepare contingency measure plans
2861 reflecting the PM-10 emission reductions set forth in Section 212.703 of this
2862 Subpart. These plans shall become federally enforceable permit conditions. Such
2863 plans shall be submitted to the Agency by November 15, 1994. Notwithstanding
2864 the foregoing, sources that become subject to the provisions of this Subpart after
2865 July 1, 1994, shall submit a contingency measure plan to the Agency for review
2866 and approval within ninety (90) days after the date such source or sources became
2867 subject to the provisions of this Subpart or by November 15, 1994, whichever is
2868 later. The Agency shall notify those sources requiring contingency measure
2869 plans, based on the Agency's current information; however, the Agency's failure
2870 to notify any source of its requirement to submit contingency measure plans shall
2871 not be a defense to a violation of this Subpart and shall not relieve the source of
2872 its obligation to timely submit a contingency measure plan.

2873

2874 b) If the Agency disapproves the initial submittal of a contingency measure plan or a
2875 source fails to revise a plan so that it is approvable, the Agency shall so notify the
2876 source in writing and the source may treat such notice as a permit denial.
2877

2878 c) Sources having operational changes subject to Sections 212.304, 212.305,
2879 212.306, 212.308, 212.316(a) through (e), 212.424 or 212.464 which require
2880 either a new permit or a revision to an existing permit shall, within 30 days after
2881 such changes, submit a request to modify its permit in order to include a new,
2882 appropriate contingency measure plan. Such new plan shall be subject to the
2883 requirements of this Subpart.
2884

2885 d) A source may, consistent with the requirements of this Subpart and any applicable
2886 permitting requirements, propose revisions to its contingency measure plan.
2887

2888 (Source: Added at 18 Ill. Reg. 11587, effective July 11, 1994)
2889

2890 **Section 212.702 Determination of Contributing Sources**
2891

2892 a) If the review of monitoring data reveals an ~~exceedence~~exceedance of the 24-hour
2893 ambient air quality standard for PM-10 found at 35 Ill. Adm. Code 243.120, the
2894 Agency shall attempt to determine the source or sources causing or contributing to
2895 the ~~exceedence~~exceedance.
2896

2897 b) In determining whether a source has caused or contributed to an
2898 ~~exceedence~~exceedance of the 24-hour ambient air quality standard for PM-10, the
2899 Agency may take whatever steps are necessary to determine which source or
2900 sources are culpable for the ~~exceedence~~exceedance, including, but not limited to:
2901

2902 1) Evaluating whether the ~~exceedence~~exceedance can be classified as an
2903 "exceptional event" pursuant to the "Guideline on the Identification and
2904 Use of Air Quality Data Affected by Exceptional Events," incorporated by
2905 reference in Section 212.113 of this Part;
2906

2907 2) Reviewing operating records of the source or sources identified pursuant
2908 to subsections (b)(3) and (b)(4) below to determine whether any source or
2909 sources so identified experienced a malfunction or breakdown or violated
2910 any term or condition of its operating permit which contributed to the
2911 ~~exceedence~~exceedance;
2912

2913 3) Evaluating the monitoring equipment filter evidencing the
2914 ~~exceedence~~exceedance to determine the types of sources that contributed
2915 to the ~~exceedence~~exceedance; and
2916

2917 4) Evaluating meteorological data and conducting dispersion analyses
2918 pursuant to the "Guideline on Air Quality Models (Revised)," incorporated
2919 by reference in Section 212.113 of this Part, to determine which source or

- 2920 sources caused or contributed to the ~~exceedence~~exceedance.
- 2921
- 2922 c) If the Agency determines that the ~~exceedence~~exceedance can be classified as an
- 2923 exceptional event, the Agency shall make a written request to USEPA to void the
- 2924 ~~exceedence~~exceedance. If the ~~exceedence~~exceedance has been caused by an
- 2925 "exceptional event," the Agency shall make no requests upon any source for Level
- 2926 I or Level II controls pursuant to Section 212.704(a) or (b) of this Subpart until
- 2927 such time as USEPA has denied the Agency's request to void the
- 2928 ~~exceedence~~exceedance or until an additional ~~exceedence~~exceedance of the 24-
- 2929 hour ambient air quality standard which is not due to an exceptional event, as
- 2930 determined by the Agency, has been monitored for the same area.
- 2931
- 2932 d) If the Agency determines that the ~~exceedence~~exceedance was due to a
- 2933 malfunction or breakdown or violation of any term or condition of a source's
- 2934 operating permit, the Agency shall contact such source and may pursue
- 2935 appropriate action under 35 Ill. Adm. Code 103.
- 2936
- 2937 e) The Agency's determination of culpability of a source is appealable to the Board
- 2938 pursuant to the procedures set forth at 35 Ill. Adm. Code 106, Subpart J.
- 2939

2940 (Source: Added at 18 Ill. Reg. 11587, effective July 11, 1994.)

2941

2942 **Section 212.703 Contingency Measure Plan Elements**

2943

- 2944 a) All sources subject to this Subpart shall submit a contingency measure plan. The
- 2945 contingency measure plan shall contain two levels of control measures:
- 2946
- 2947 1) Level I measures are measures that will reduce total actual annual source-
- 2948 wide fugitive emissions of PM-10 subject to control under Sections
- 2949 212.304, 212.305, 212.306, 212.308, 212.316(a) through (e), 212.424 or
- 2950 212.464 by at least 15%.
- 2951
- 2952 2) Level II measures are measures that will reduce total actual annual source-
- 2953 wide fugitive emissions of PM-10 subject to control under Sections
- 2954 212.304, 212.305, 212.306, 212.308, 212.316(a) through (e), 212.424 or
- 2955 212.464 by at least 25%.
- 2956
- 2957 b) A source may comply with this Subpart through an alternative compliance plan
- 2958 that provides for reductions in emissions equal to the level of reduction of fugitive
- 2959 emissions as required at subsection (a) above and which has been approved by the
- 2960 Agency and USEPA as federally enforceable permit conditions. If a source elects
- 2961 to include controls on process emission units, fuel combustion emission units, or
- 2962 other fugitive emissions of PM-10 not subject to Sections 212.304, 212.305,
- 2963 212.306, 212.308, 212.316(a) through (e), 212.424 or 212.464 at the source in its
- 2964 alternative control plan, the plan must include a reasonable schedule for
- 2965 implementation of such controls, not to exceed two (2) years. This

2966 implementation schedule is subject to Agency review and approval.

2967

2968

(Source: Added at 18 Ill. Reg. 11587, effective July 11, 1994)

2969

2970

Section 212.704 Implementation

2971

2972

a) Following any ~~exceedence~~exceedance of the 24-hour ambient air quality standard for PM-10, the Agency shall notify the source or sources the Agency has identified as likely to be causing or contributing to an ~~exceedence~~exceedance detected by monitoring. Within ninety (90) days after receipt of such notification, each source so notified may implement Level I or Level II measures, as determined pursuant to subsection (d) below.

2973

2974

2975

2976

2977

2978

2979

b) If there is a violation of the ambient air quality standard for PM-10 as determined in accordance with 40 CFR Part 50, Appendix K, incorporated by reference in Section 212.113 of this Part, the Agency shall notify the source or sources the Agency has identified as likely to be causing or contributing to one or more of the ~~exceedence~~exceedances leading to such violation, and such source or sources shall implement Level I or Level II measures, as determined pursuant to subsection (e) below. The source or sources so identified shall implement such measures corresponding to fugitive emissions within ninety (90) days after receipt of such notification and shall implement such measures corresponding to any nonfugitive emissions according to the approved schedule set forth in such source's alternative control plan. Any source identified as causing or contributing to a violation of the ambient air quality standard for PM-10 may appeal any finding of culpability by the Agency to the Board pursuant to 35 Ill. Adm. Code 106, Subpart J.

2980

2981

2982

2983

2984

2985

2986

2987

2988

2989

2990

2991

2992

2993

2994

c) Upon the finding of a failure to attain by the Administrator of USEPA, the Agency shall notify all sources in the applicable area required to submit contingency measure plans pursuant to Section 212.700 of this Subpart of such finding by the Administrator; however, the Agency's failure to notify a source of its requirement to implement its contingency measure plan because of the Administrator's finding of a failure to attain shall not be a defense to a violation of this Subpart and shall not relieve the source of its obligation to timely comply with this Section. All such sources subject to this Subpart shall, within sixty (60) days after receipt of such notification, implement any Level II measures corresponding to fugitive emissions subject to control under Sections 212.304, 212.305, 212.306, 212.308, 212.316(a) through (e), 212.424 or 212.464 and shall implement any Level II measures corresponding to any nonfugitive emissions of PM-10 according to the approved schedule set forth in such source's alternative control plan, unless such corresponding Level II controls have been previously implemented by such source or sources pursuant to subsection (a) or (b) above.

2995

2996

2997

2998

2999

3000

3001

3002

3003

3004

3005

3006

3007

3008

3009

3010

d) The Agency shall request that sources comply with the Level I or Level II measures of their contingency measure plans, pursuant to subsection (a) above, as

3011

3012 follows:

3013

3014

3015

3016

3017

1) Level I measures shall be requested when the magnitude of the monitored ~~exceedence~~exceedance at a given air quality monitor is less than or equal to 170 $\mu\text{g}/\text{m}^3$.

3018

3019

3020

2) Level II measures shall be requested when the magnitude of the monitored ~~exceedence~~exceedance at a given air quality monitor exceeds 170 $\mu\text{g}/\text{m}^3$.

3021

3022

3023

3024

e) The Agency shall require that sources comply with the Level I or Level II measures of their contingency measure plans, pursuant to subsection (b) above, as follows:

3025

3026

3027

3028

3029

1) Level I measures shall be required when the design value of a violation of the 24-hour ambient air quality standard, as computed pursuant to 40 CFR 50, Appendix K, incorporated by reference in Section 212.113 of this Part, is less than or equal to 170 $\mu\text{g}/\text{m}^3$.

3030

3031

3032

3033

3034

2) Level II measures shall be required when the design value of a violation of the 24-hour ambient air quality standard, as computed pursuant to 40 CFR 50, Appendix K, incorporated by reference in Section 212.113 of this Part, exceeds 170 $\mu\text{g}/\text{m}^3$.

3035

(Source: Added at 18 Ill. Reg. 11587, effective July 11, 1994)

3036

3037

Section 212.705 Alternative Implementation

3038

3039

3040

3041

3042

Should the Agency determine that more than one source is a contributing source pursuant to Section 212.702 of this Subpart, the Agency may accept controls from fewer than all of the sources identified as culpable where greater than the required levels of control for all culpable sources are achieved at some of the culpable sources.

3043

3044

3045

3046

3047

a) For the purposes of this Section, an "identified source" is a source determined to be culpable for an ~~exceedence~~exceedance of the 24-hour ambient air quality standard.

3048

3049

3050

3051

b) For the purposes of this Section, a "participating source" is another source that is also identified as culpable by the Agency for the monitored ~~exceedence~~exceedance.

3052

3053

3054

3055

3056

c) For the purposes of this Section, "equivalent air quality benefits" shall be determined by conducting one or more dispersion analyses in accordance with the "Guideline on Air Quality Models (revised)," incorporated by reference in Section 212.113 of this Part.

3057

d) An identified source may elect to achieve compliance with the provisions of this

3058 Subpart by obtaining equivalent air quality benefits from PM-10 emissions
3059 reductions by a participating source as would be achieved at the identified source,
3060 provided, however, that the PM-10 emissions reductions to be achieved by the
3061 participating source under this Section are in addition to any other obligation it
3062 may have under this Subpart to reduce PM-10 emissions.
3063

3064 e) If an identified source elects to rely on this Section to demonstrate compliance
3065 with this Subpart, the identified source must:

3066
3067 1) Demonstrate to the Agency that it will achieve equivalent air quality
3068 benefits from PM-10 emission reductions at the participating source as
3069 would be achieved from the identified source subject to this Subpart;
3070

3071 2) The PM-10 emissions reductions from the participating source that the
3072 identified source is relying upon to demonstrate compliance with this
3073 Subpart must be reflected as federally enforceable permit conditions of the
3074 participating source's permit;
3075

3076 3) The participating source implements any emissions reductions for fugitive
3077 emissions of PM-10 within ninety (90) days after the identified source
3078 would have been required to implement Level I or Level II measures
3079 pursuant to this Subpart; and
3080

3081 4) The participating source submits a reasonable schedule for implementation
3082 of any PM-10 emission reductions from controls on process emission
3083 units, fuel combustion emission units, or other fugitive emissions of PM-
3084 10 at the participating source not subject to control under Sections
3085 212.304, 212.305, 212.306, 212.308, 212.316(a) through (e), 212.424 or
3086 212.464, not to exceed two (2) years from the date of notification to the
3087 identified source that Level I or Level II measures, as appropriate, are
3088 required.
3089

3090 (Source: Added at 18 Ill. Reg. 11587, effective July 11, 1994)

3091 **Section 212.APPENDIX A Rule into Section Table**
3092

RULE	SECTION
202 Preamble	212.121
202(a)(1)	212.122
202(a)(2)	212.421
202(b)	212.123
202(c)	212.124
202(d)	212.125
202(e)	Appendix C
203(a)	212.321, Illustration B
203(b)	212.322, Illustration C

203(c)	Appendix C
203(d)(1)	212.381
203(d)(2)	212.422
203(d)(3) Preamble	212.361
203(d)(3)(A)	Appendix C
203(c)(3)(B)	212.361, Appendix C
203(d)(4)	212.681
203(d)(5) Preamble	212.441
203(d)(5)(A)	212.442
203(d)(5)(B)	212.443
203(d)(5)(C)	212.444
203(d)(5)(D)	212.445
203(d)(5)(E)	212.446
203(d)(5)(F)	212.447
203(d)(5)(G)	212.448
203(d)(5)(H)	212.449
203(d)(5)(I)	212.450
203(d)(5)(J)	212.451
203(d)(5)(K)	212.452
203(d)(5)(L)	Appendix C
203(d)(5)(M)	Appendix C
203(d)(6)	212.456
203(d)(7)	212.323
203(d)(8) Preamble	212.461(a)
203(d)(8)(A)	212.461(b)
203(d)(8)(B)	212.462(a)-(d)
203(d)(8)(C)	212.463(a)-(c)
203(d)(8)(D)	212.461(c)
203(d)(8)(E)	212.461(d)
203(d)(8)(F)	212.462(e)
203(d)(8)(G)	212.463(d)
203(d)(8)(H)	212.461(e)
203(d)(8)(I)	212.461(f)
203(d)(8)(J)	Appendix C
203(d)(8)(K)	212.461(g)
203(d)(8)(L)	212.461(h)
203(d)(9)	212.457
203(e)(1)	212.181
203(e)(2)	212.181
203(e)(3)	212.181
203(e)(4) Preamble	212.181
203(e)(4)(A)	212.182
203(e)(5)	212.183
203(e)(6)	212.184
203(f)(1)	212.301
203(f)(2)	212.302

203(f)(3) Preamble	Appendix C
203(f)(3)(A)	212.304
203(f)(3)(B)	212.305
203(f)(3)(C)	212.306
203(f)(3)(D)	212.307
203(f)(3)(E) First Paragraph	212.308
203(f)(3)(E) Exception	212.455
203(f)(3)(F) Preamble	212.309, Appendix C
203(f)(3)(F) Second Paragraph	212.310
203(f)(3)(F) Last Paragraph	212.312
203(f)(4)	212.313
203(f)(5)	212.314
203(f)(6)	212.315
203(g)(1)(A)	212.201
203(g)(1)(B)	212.202, Illustration A
203(g)(1)(C)	212.203
203(g)(1)(D)	212.204
203(g)(1)(E)	212.205
203(g)(2)	212.206
203(g)(3)	212.207
203(g)(4)	212.208
203(h)	212.110
203(i)	Appendix C

3093
3094
3095
3096

Section 212.APPENDIX B Section into Rule Table

SECTION	RULE
212.100	Added in Codification
212.110	203(h)
212.111	Added in Codification
212.112	Added in Codification
212.113	Added in Codification
212.121	202 Preamble
212.122	202(a)(1)
212.123	202(b)
212.124	202(c)
212.125	202(d)
212.181	203(e)(1)-(3), 203(e)(4) (Preamble)
212.182	203(e)(4)(A)
212.183	203(e)(5)
212.184	203(e)(6)
212.201	203(g)(1)(A)
212.202	203(g)(1)(B)

212.203	203(g)(1)(C)
212.204	203(g)(1)(D)
212.205	203(g)(1)(E)
212.206	203(g)(2)
212.207	203(g)(3)
212.208	203(g)(4)
212.301	203(f)(1)
212.302	203(f)(2)
212.304	203(f)(3)(A)
212.305	203(f)(3)(B)
212.306	203(f)(3)(C)
212.307	203(f)(3)(D)
212.308	203(f)(3)(E) First Paragraph
212.309	203(f)(3)(F) Preamble
212.310	203(f)(3)(F) Second Paragraph
212.312	203(f)(3)(F) Last Paragraph
212.313	203(f)(4)
212.314	203(f)(5)
212.315	203(f)(6)
212.321	203(a)
212.322	203(b)
212.323	203(d)(7)
212.361	203(d)(3) Preamble, 203(D)(3)(B)
212.381	203(d)(1)
212.421	202(a)(2)
212.422	203(d)(2)
212.441	203(d)(5) Preamble
212.442	203(d)(5)(A)
212.443	203(d)(5)(B)
212.444	203(d)(5)(C)
212.445	203(d)(5)(D)
212.446	203(d)(5)(E)
212.447	203(d)(5)(F)
212.448	203(d)(5)(G)
212.449	203(d)(5)(H)
212.450	203(d)(5)(I)
212.451	203(d)(5)(J)
212.452	203(d)(5)(K)
212.455	203(f)(3)(E) Exception
212.456	203(d)(6)
212.457	203(d)(9)
212.461(a)	203(d)(8) Preamble
212.461(b)	203(d)(8)(A)
212.461(c)	203(d)(8)(D)
212.461(d)	203(d)(8)(E)

212.461(e)	203(d)(8)(H)
212.461(f)	203(d)(8)(I)
212.461(g)	203(d)(8)(K)
212.461(h)	203(d)(8)(L)
212.462(a)-(d)	203(d)(8)(B)
212.462(e)	203(d)(8)(F)
212.463(a)-(c)	203(d)(8)(C)
212.463(d)	203(d)(8)(G)
212.681	203(d)(4)
Appendix C	202(e)
	203(c)
	203(d)(3)(A)&(B)
	203(d)(5)(L)&(M)
	203(d)(8)(J)
	203(f)(3) Preamble
	203(f)(3)(F) Preamble
	203(i)
Illustration A	203(g)(1)(B)
Illustration B	203(a)
Illustration C	203(b)

3097

3098 **Section 212.APPENDIX C Past Compliance Dates**

3099

3100 Rule 202(e)

3101

3102 Owners or operators of new emission sources were required to comply with the emission
3103 standards and limitations of Rule 202 by April 14, 1972.

3104

3105 Owners or operators of existing emission sources were required to comply with the emission
3106 standards and limitations of Rule 202 by December 31, 1972; except that owners or operators of
3107 emission sources subject to Rule 203(g) were required to comply with the emission standards
3108 and limitations of Rule 203 by May 30, 1975.

3109

3110 Rule 203(c)

3111

3112 Except as otherwise provided in Rule 203, every existing process emission source which was not
3113 in compliance with Rule 203(b) as of April 14, 1972, was required to comply with Rule 203(a),
3114 unless both of the following conditions were met:

3115

3116 a) The source was in compliance, as of April 14, 1972, with the terms and conditions
3117 of a variance granted by the Board, or, by June 13, 1972, the source was the
3118 subject of a variance petition filed with the Board, which variance was
3119 subsequently granted; and,

3120

3121 b) As of April 14, 1972, construction was commenced on equipment or
3122 modifications sufficient to achieve compliance with Rule 203(b).

3123
3124
3125
3126
3127
3128
3129
3130
3131
3132
3133
3134
3135
3136
3137
3138
3139
3140
3141
3142
3143
3144
3145
3146
3147
3148
3149
3150
3151
3152
3153
3154
3155
3156
3157
3158
3159
3160
3161
3162
3163
3164
3165
3166
3167
3168

Rule 203(d)(3)(A) and (B)

Corn wet milling processes subject to Rule 203(d)(3) were subject to a standard of 0.3 gr/scf of effluent gas from April 14, 1972 to May 30, 1975.

Rule 203(d)(5)(L) and (M)

Every owner or operator of an emission source the construction or modification of which was commenced after September 6, 1979 was required to comply with the emission standards and limitations of Rule 203(d)(5) upon commencement of operation.

Every owner or operator of an emission source the construction or operation of which was commenced prior to September 6, 1979 was required to comply with the emission standards and limitations of Rule 203(d)(5) no later than December 31, 1982.

From the effective date of this Rule 203(d)(5) through December 31, 1982, full compliance program and project completion schedule pursuant to Rule 104 for all sources of particulate emissions subject to Rule 203(d)(5) and 203(f) as amended under common ownership or control in the same air quality control region constituted compliance with the emission standards and limitations contained in Part II if such Compliance Program and Project Completion Schedule:

- a) provided for compliance by all sources of particulate matter subject to Rules 203(d)(5) and 203(f), as amended, under common ownership or control in the same air quality region, as expeditiously as practicable considering what was economically reasonable and technically feasible, and
- b) provided for reasonable further progress in achieving the reductions in particulate emissions required by Rule 203(d)(5) and 203(f), as amended, including annual increments of reductions such that at least one-third of the total reductions were achieved by December 31, 1980 and at least two-thirds of the total reduction were achieved by December 31, 1981, unless the owner or operator demonstrated in a hearing before the Board that such increments were technically infeasible or economically unreasonable or unless the owner or operator demonstrated in a hearing before the Board that some alternate schedule represents reasonable further progress within the meaning of Section 172(b) of the Clean Air Act, 42 [USC U.S.C.](#) Section 7502(b).

The provisions of Rule 203(d)(5)(L)(iii) did not apply to any facility subject to a rule which was not in full force and effect as a matter of state law because of judicial action, and in such event the facility shall remain subject to the regulations in effect at the time these amendments were adopted.

The provisions of Rule 203(d)(5)(L) were not severable. Should any portion thereof have been found invalid or been disapproved by USEPA as a revision of the state implementation plan pursuant to the Clean Air Act, then the entire Rule 203(d)(5)(L) would have been null and void,

3169 the provisions of Rule 203(d)(5)(A) and (B) were to have become immediately effective, and the
3170 provisions of existing Rules 203(a), (b), and (c) and prior Rules 203(d)(2) (in effect from April
3171 14, 1972 to the effective date of this Rule) were to have been reinstated.

3172
3173 Rule 203(d)(8)(J)

3174
3175 Existing grain-handling and grain-drying operations subject to Rule 203(d)(8)(B), (C) and (D)
3176 were required to achieve compliance on or before April 30, 1977, except that all such operations
3177 were required to achieve compliance with Rule 203(d)(8)(A) by June 30, 1975.

3178
3179 New grain-handling and grain-drying operations were required to comply with Rule 203(d)(8) by
3180 June 30, 1975.

3181
3182 Rule 203(f)(3) (Preamble)

3183
3184 Potential sources of fugitive particulate matter were required to be maintained and operated in
3185 accordance with Rule 203(f)(3) on or after December 31, 1982.

3186
3187 Rule 203(f)(3)(F) (Preamble)

3188
3189 Sources of fugitive particulate matter described in Rule 203(f)(3)(A)-(E) were required to submit
3190 an operating program to the Agency for review by December 31, 1982.

3191
3192 Rule 203(i)

3193
3194 Every owner or operator of a new emission source was required to comply with the standards
3195 and limitations of Rule 203 by April 14, 1972.

3196
3197 Except as otherwise provided in Rule 203(d)(4), (d)(6), (i)(3), (i)(4), and (i)(5), every owner or
3198 operator of an existing emission source was required to comply with the standards and
3199 limitations of Rule 203 by December 31, 1973.

3200
3201 Every owner or operator of an existing emission source subject to Rule 203(f) was required to
3202 comply with the standards and limitations of Rule 203:

- 3203
3204 a) by October 14, 1972 when the emissions from such source were caused by
3205 the stockpiling of materials;
3206
3207 b) by October 14, 1972 for emission sources subject to Rule 203(f)(4); and
3208
3209 c) by April 14, 1973 for all other emission sources subject to Rule 203(f).

3210
3211 Every owner or operator of an existing emission source subject to Rule 203(g) was required to
3212 comply with the standards and limitations of Rule 203 by May 30, 1975.

3213

3214 Notwithstanding any other provisions of Rule 203, every owner or operator of an existing
3215 emission source which:

3216
3217 a) was required to comply with Rules 2-2.51, 2-2.52, 2-2.54, 3-3.111, 3-
3218 3.2110, 3-3.2130 and 3-3.220 of Rules and Regulations Governing the
3219 Control of Air Pollution as amended August 19, 1969; and

3220
3221 b) which was in compliance with such rules, as of April 14, 1972, or is in
3222 compliance with Rules 203(c)(1) and (2);

3223
3224 was required to comply with the applicable emission standards and limitations of Rules 203 by
3225 May 30, 1975.

3226
3227 Notwithstanding the other dates specified in this Rule, grain handling and conditioning
3228 operations were required to comply with the requirements of Rule 203 by May 30, 1975.

3229
3230
3231 **Section 212.ILLUSTRATION A Allowable Emissions from Solid Fuel Combustion**
3232 **Emission Sources Outside Chicago (Repealed)**

3233
3234 (Source: Repealed at 20 Ill. Reg. 7605, effective May 22, 1996)

3235
3236 **Section 212.ILLUSTRATION B Limitations for all New Process Emission Sources**
3237 **(Repealed)**

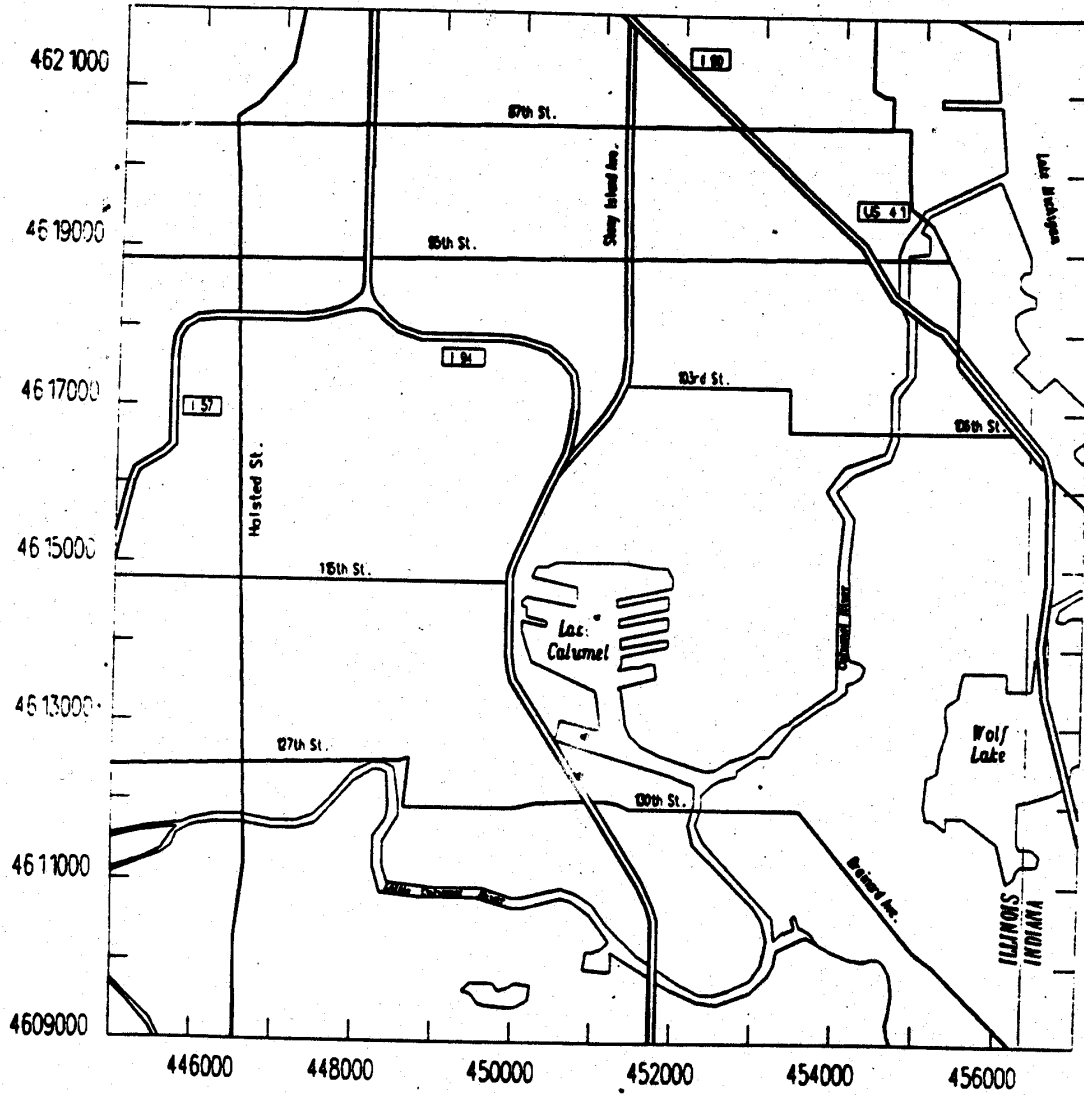
3238
3239 (Source: Repealed at 20 Ill. Reg. 7605, effective May 22, 1996)

3240
3241 **Section 212.ILLUSTRATION C Limitations for all Existing Process Emission Sources**
3242 **(Repealed)**

3243
3244 (Source: Repealed at 20 Ill. Reg. 7605, effective May 22, 1996)

3245 **Section 212.ILLUSTRATION D McCook Vicinity Map**

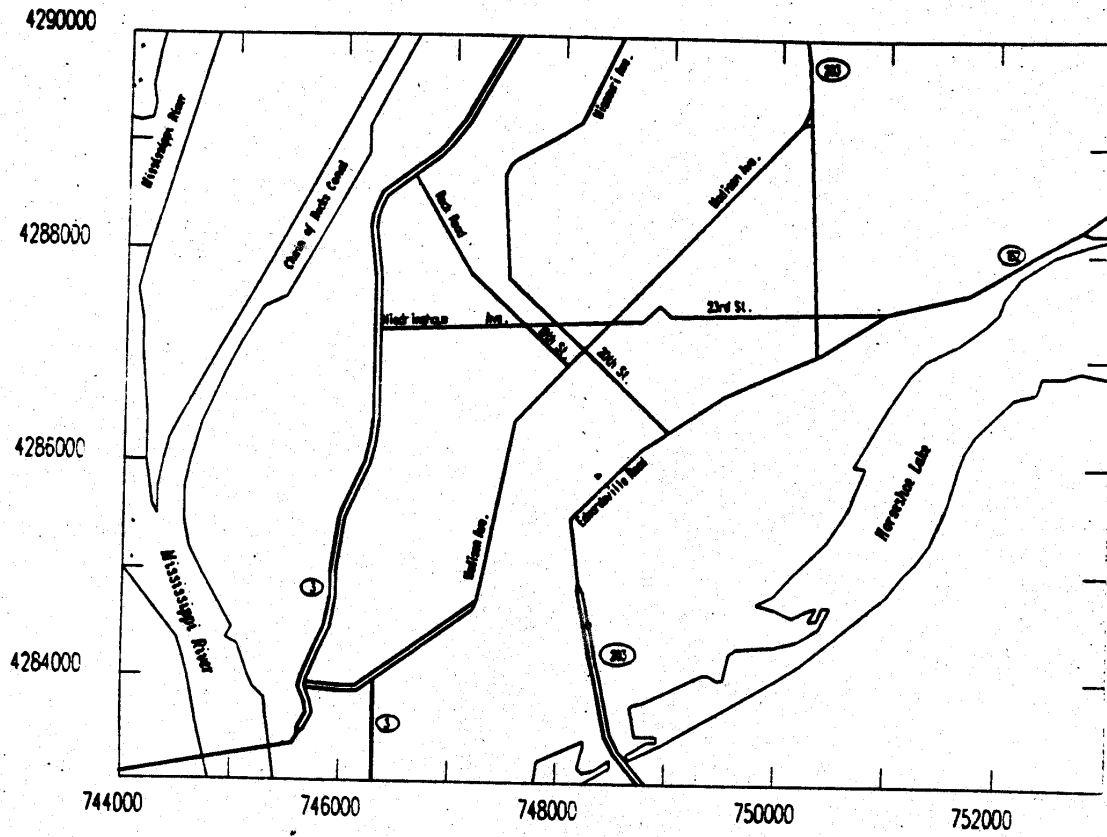
3246
3247



3256
3257
3258
3259
3260
3261
3262
3263
3264

(Source: Added at 16 Ill. Reg. 7880, effective May 11, 1992)

Section 212.ILLUSTRATION F Granite City Vicinity Map



3265
3266
3267
3268
3269

(Source: Added at 16 Ill. Reg. 7880, effective May 11, 1992)