ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

- 1) <u>Heading of the Part</u>: Carbon Monoxide Emissions
- 2) <u>Code Citation</u>: 35 Ill. Adm. Code 216
- 3) <u>Section Numbers</u>: <u>Proposed Actions</u>: 216.103 Amendment 216.104 Amendment 216.121 Amendment 216.361 Amendment
- 4) <u>Statutory Authority</u>: Implementing Section 10 and authorized by Section 27 of the Environmental Protection Act [415 ILCS 5/10 and 27].
- 5) <u>A Complete Description of the Subjects and Issues Involved</u>: This proposal amends 35 Ill. Adm. Code 216 to provide alternate emission limitations during periods of startup, shutdown, breakdown, and malfunction.
- 6) <u>Published studies or reports, and sources of underlying data, used to compose this</u> <u>rulemaking</u>: None
- 7) <u>Will this proposed rulemaking replace an emergency rule currently in effect</u>? No
- 8) <u>Does this rulemaking contain an automatic repeal date?</u> No
- 9) <u>Does this proposed rulemaking contain incorporations by reference</u>? Yes

40 C.F.R. Part 63, Subpart A (2022) 40 C.F.R. Part 63, Subpart UUU (2022) 40 C.F.R. 63, Subpart DDDDD (2022)

- 10) <u>Are there any proposed rulemakings to this Part pending</u>? No
- Statement of Statewide Policy Objectives: This proposed amendment does not create or enlarge a State mandate as defined in Section 3(b) of the State Mandates Act. [30 ILCS 805/3].
- 12) <u>Time, Place, and Manner in which interested persons may comment on this proposed</u> <u>rulemaking</u>: The Board will accept written public comments on this proposal for a period of at least 45 days after the date of publication in the *Illinois Register*. Public comments should refer to Docket R23-18(A) and be filed electronically through the Clerk's Office

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POLLUTION CONTROL BOARD

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On-Line (COOL) on the Board's website at pcb.illinois.gov. Public comments may be addressed to:

Clerk's Office Illinois Pollution Control Board 60 E. Van Buren, Suite 630 Chicago, IL 60605

Interested persons may download copies of the Board's opinions and orders in R23-18(A) from the Board's Web site at pcb.illinois.gov and may also request copies by calling the Clerk's office at (312) 814-3620.

- 13) <u>Initial Regulatory Flexibility Analysis:</u>
 - A) <u>Types of small businesses, small municipalities and not for profit corporations</u> <u>affected</u>: Any small business that holds an air permit allowing emissions from equipment that malfunctions or that may start-up.
 - B) <u>Reporting, bookkeeping or other procedures required for compliance</u>: None
 - C) <u>Types of Professional skills necessary for compliance</u>: None
- 14) <u>Small Business Impact Analysis</u>: The Board does not expect that the proposed rules will impact small business.
- 15) <u>Regulatory Agenda on which this rulemaking was summarized</u>: This rule did not appear in either of the two most recent Regulatory Agendas because this is a subdocket to a previous rulemaking.

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

First Notice

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35	216.362	Polybasic Organic Acid Partial Oxidation Manufacturing Processes
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30 37		SUBPART O: PRIMARY AND FABRICATED METAL PRODUCTS
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41	216.382	Exception, General Motor's Ferrous Foundry in Vermilion County
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43	<u>216.</u> APPE	NDIX A Rule into Section Table

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44 216.APPENDIX B Section into Rule Table 45 216.APPENDIX C **Compliance Dates** 46 47 AUTHORITY: Implementing Section 10 and authorized by Section 27 of the Environmental 48 Protection Act [415 ILCS 5]. 49 50 SOURCE: Adopted as Chapter 2: Air Pollution, Rule 206: Carbon Monoxide Emissions, R71-51 23, 4 PCB 191, April 13, 1972, filed and effective April 14, 1972; amended at 3 Ill. Reg. 47, p. 92, effective November 8, 1979; amended at 4 Ill. Reg. 24, p. 514, effective June 4, 1980; 52 codified at 7 Ill. Reg. 13607; amended in R87-18 at 12 Ill. Reg. 20774, effective December 6, 53 54 1988; amended in R90-23 at 16 Ill. Reg. 18075, effective November 13, 1992; amended in R23-55 18(A) at 47 Ill. Reg. _____, effective _____. 56 57 SUBPART A: GENERAL PROVISIONS 58 59 Section 216.103 Definitions 60 61 The definitions contained in 35 Ill. Adm. Code 201 and 211 apply to this Part. The definitions for "catalytic cracking unit" and "hot standby" in 40 CFR 63.1579 apply to Section 216.361(d). 62 The definition of "startup" in 40 CFR 63.2 applies to Section 216.361(d). The definitions of 63 64 "startup" and "shutdown" in 40 CFR 63.7575 apply to Section 216.121(b). 65 (Source: Amended at 47 Ill. Reg. _____, effective _____) 66 67 68 Section 216.104 Incorporations by Reference 69 70 The following materials are incorporated by reference: non-dispersive infrared method, 40 CFR 71 60, Appendix A, Method 10 (1982); 40 CFR Part 63, Subpart A (2022); 40 CFR Part 63, Subpart 72 UUU (2022); 40 CFR 63, Subpart DDDDD (2022). 73 74 (Source: Amended at 47 Ill. Reg. _____, effective _____) 75 76 SUBPART B: FUEL COMBUSTION EMISSION SOURCES 77 78 Section 216.121 Fuel Combustion Emission Sources 79 80 a) No person shall cause or allow the emission of carbon monoxide (CO) into the 81 atmosphere from any fuel combustion emission source with actual heat input 82 greater than 2.9 MW (10 mmbtu/hr) to exceed 200 ppm, corrected to 50 percent 83 excess air. 84 85 Notwithstanding subsection (a), during periods of startup and shutdown, any new b) 86 or existing fuel combustion emission source can elect to comply with subsection

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87		(a) or the alternate standards for these operating modes in 40 CFR 63, Subpart
88		DDDDD, Table 3 Items 5 and 6, 40 CFR 63.7500(a)(3) and (f), 40 CFR
89		63.7505(e), 40 CFR 63.7535(b), and 40 CFR 63.7555(d)(9)-(12).
90		
91	(Sourc	ce: Amended at 47 Ill. Reg, effective)
92		
93	SUBP	PART N: PETROLEUM REFINING AND CHEMICAL MANUFACTURE
94		
95	Section 216.3	861 Petroleum and Petrochemical Processes
96		
97	a)	No person shall cause or allow the emission of a carbon monoxide waste gas
98		stream into the atmosphere from a petroleum or petrochemical process unless
99		such waste gas stream is burned in a direct flame afterburner or carbon monoxide
100		boiler so that the resulting concentration of carbon monoxide in such waste gas
101		stream is less than or equal to 200 ppm corrected to 50 percent excess air, or such
102		waste gas stream is controlled by other equivalent air pollution control equipment
103		approved by the Agency according to the provisions of 35 Ill. Adm. Code 201.
104		
105	b)	Notwithstanding subsection (a), any existing petroleum or petrochemical process
106		using catalyst regenerators of fluidized catalytic converters equipped for in situ
107		combustion of carbon monoxide, may emit a carbon monoxide waste gas stream
108		into the atmosphere if the carbon monoxide concentration of such waste gas
109		stream is less than or equal to 750 ppm corrected to 50 percent excess air.
110	,	
111	c)	Notwithstanding subsection (a), any new petroleum or petrochemical process
112		using catalyst regenerators of fluidized catalytic converters equipped for in situ
113		combustion of carbon monoxide, may emit a carbon monoxide waste gas stream
114		into the atmosphere if the carbon monoxide concentration of such waste gas
115		stream is less than or equal to 350 ppm corrected to 50 percent excess air.
116	1	
117	<u>d)</u>	Notwithstanding subsections (a) through (c), during periods of startup and hot
118		standby, any new or existing petroleum catalytic cracking units can elect to
119		comply with subsections (a) through (c) or the alternate limitation for these
120		operating modes in 40 CFR 63 Subpart UUU Tables 9, 10, 14, and 41, 40 CFR
121		<u>63.1565(a)(5), 40 CFR 63.1570(c) and (f), 40 CFR 63.1572(c), and 40 CFR</u>
122		<u>63.1576(a)(2) and (d).</u>
123	<i>(</i> ?	
124	(Sourd	ce: Amended at 47 Ill. Reg, effective)

Comparing: Agency Proposed vs. JCAR r01

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POLLUTION CONTROL BOARD NOTICE OF PROPOSED AMENDMENTS TITLE 35: ENVIRONMENTAL PROTECTION SUBTITLE B: AIR POLLUTION

CHAPTER I: POLLUTION CONTROL BOARD SUBCHAPTER c: EMISSION STANDARDS AND LIMITATIONS FOR STATIONARY SOURCES

PART 216 CARBON MONOXIDE EMISSIONS

SUBPART A: GENERAL PROVISIONS

Section

- 216.100 Scope and Organization
- 216.101 Measurement Methods
- 216.102 Abbreviations and Conversion Factors
- 216.103 Definitions
- 216.104 Incorporations by Reference

SUBPART B: FUEL COMBUSTION EMISSION SOURCES

Section

- 216.121 Fuel Combustion Emission Sources
- 216.122 Exception, Midwest Grain Products

SUBPART C: INCINERATORS

Section

216.141	Incinerators

216.142 Exceptions

SUBPART N: PETROLEUM REFINING AND CHEMICAL MANUFACTURE

Section216.361216.362Polybasic Organic Acid Partial Oxidation Manufacturing Processes

SUBPART O: PRIMARY AND FABRICATED METAL PRODUCTS

- Section
- 216.381 Cupolas
- 216.382 Exception, General Motor's Ferrous Foundry in Vermilion County

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216.APPENDIXAAPPENDIXA	Rule into Section Table
216.APPENDIXBAPPENDIX B	Section into Rule Table
216.APPENDIXCAPPENDIX C	Compliance Dates

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

SOURCE: Adopted as Chapter 2: Air Pollution, Rule 206: Carbon Monoxide Emissions, R71-23, 4 PCB 191, April 13, 1972, filed and effective April 14, 1972; amended at 3 Ill. Reg. 47, p. 92, effective November 8, 1979; amended at 4 Ill. Reg. 24, p. 514, effective June 4, 1980; codified at 7 Ill. Reg. 13607; amended in R87-18 at 12 Ill. Reg. 20774, effective December 6, 1988; amended in R90-23 at 16 Ill. Reg. 18075, effective November 13, 1992; amended in R23-18(A) at 47 Ill. Reg. ______, effective _______.

SUBPART A: GENERAL PROVISIONS

Section 216.103 Definitions

The definitions contained in 35 Ill. Adm. Code 201 and 211 apply to this Part. The definitions for "catalytic cracking unit" and "hot standby" in 40 C.F.R.CFR 63.1579 apply to Section 216.361(d) of this Part. The definition of "startup" in 40 C.F.R.CFR 63.2 applies to Section 216.361(d) of this Part. The definitions of "startup" and "shutdown" in 40 C.F.R.CFR 63.7575 apply to Section 216.121(b) of this Part.

(Source: Amended at 47 Ill. Reg. _____, effective _____)

Section 216.104 Incorporations by Reference

The following materials are incorporated by reference: non-dispersive infrared method, 40 CFR 60, Appendix A, Method 10 (1982); 40 C.F.R.CFR Part 63, Subpart A (2022); 40 C.F.R.CFR 63, Subpart DDDDD (2022).

(Source: Amended at 47 Ill. Reg. _____, effective _____)

SUBPART B: FUEL COMBUSTION EMISSION SOURCES

Section 216.121 Fuel Combustion Emission Sources

a) No person shall cause or allow the emission of carbon monoxide (CO) into the atmosphere from any fuel combustion emission source with actual heat input

POLLUTION CONTROL BOARD NOTICE OF PROPOSED AMENDMENTS

greater than 2.9 MW (10 mmbtu/hr) to exceed 200 ppm, corrected to 50 percent excess air.

b) Notwithstanding subsection (a), during periods of startup and shutdown, any new or existing fuel combustion emission source can elect to comply with subsection (a) or the alternate standards for these operating modes in 40 C.F.R.CFR 63, Subpart DDDDD, Table 3 Items 5 and 6, 40 C.F.R.CFR 63.7500(a)(3) and (f), 40 C.F.R.CFR 63.7505(e), 40 C.F.R.CFR 63.7535(b), and 40 C.F.R.CFR 63.7555(d)(9)-(12).

(Source: Amended at 47 Ill. Reg. _____, effective ______)

SUBPART N: PETROLEUM REFINING AND CHEMICAL MANUFACTURE

Section 216.361 Petroleum and Petrochemical Processes

- a) No person shall cause or allow the emission of a carbon monoxide waste gas stream into the atmosphere from a petroleum or petrochemical process unless such waste gas stream is burned in a direct flame afterburner or carbon monoxide boiler so that the resulting concentration of carbon monoxide in such waste gas stream is less than or equal to 200 ppm corrected to 50 percent excess air, or such waste gas stream is controlled by other equivalent air pollution control equipment approved by the Agency according to the provisions of 35 Ill. Adm. Code 201.
- b) Notwithstanding subsection (a), any existing petroleum or petrochemical process using catalyst regenerators of fluidized catalytic converters equipped for in situ combustion of carbon monoxide, may emit a carbon monoxide waste gas stream into the atmosphere if the carbon monoxide concentration of such waste gas stream is less than or equal to 750 ppm corrected to 50 percent excess air.
- c) Notwithstanding subsection (a), any new petroleum or petrochemical process using catalyst regenerators of fluidized catalytic converters equipped for in situ combustion of carbon monoxide, may emit a carbon monoxide waste gas stream into the atmosphere if the carbon monoxide concentration of such waste gas stream is less than or equal to 350 ppm corrected to 50 percent excess air.
- Notwithstanding subsections (a) through (c), during periods of startup and hot standby, any new or existing petroleum catalytic cracking units can elect to comply with subsections (a) through (c) or the alternate limitation for these operating modes in 40 C.F.R.CFR 63 Subpart UUU Tables 9, 10, 14, and 41, 40

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POLLUTION CONTROL BOARD NOTICE OF PROPOSED AMENDMENTS C.F.R.CFR 63.1565(a)(5), 40 C.F.R.CFR 63.1570(c) and (f), 40 C.F.R.CFR 63.1572(c), and 40 C.F.R.CFR 63.1576(a)(2) and (d).

(Source: Amended at 47 Ill. Reg. _____, effective _____)

Summary report: Litera Compare for Word 11.2.0.54 Document comparison done on 8/31/2023 9:49:52 AM					
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Original filename: 35-216RG-P Agency.docx					
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Changes:					
Add	33				
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Move From	0				
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Table Insert	0				
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Embedded Graphics (Visio, ChemDraw, Images etc.)	0				
Embedded Excel	0				
Format changes	0				
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