

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

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

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) Are there any proposed rulemakings to this Part pending? No
- 11) 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) Time, Place, and Manner in which interested persons may comment on this proposed rulemaking: The Board will accept written public comments on this proposal for a period of at least 45 days after the date of publication in the *Illinois Register*. Public comments should refer to Docket R23-18(A) and be filed electronically through the Clerk's Office

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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) Initial Regulatory Flexibility Analysis:
- A) Types of small businesses, small municipalities and not for profit corporations affected: Any small business that holds an air permit allowing emissions from equipment that malfunctions or that may start-up.
 - B) Reporting, bookkeeping or other procedures required for compliance: None
 - C) Types of Professional skills necessary for compliance: None
- 14) Small Business Impact Analysis: The Board does not expect that the proposed rules will impact small business.
- 15) Regulatory Agenda on which this rulemaking was summarized: 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

JCAR350216-2312836r01

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

Section	
216.361	Petroleum and Petrochemical Processes
216.362	Polybasic 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

[216](#).APPENDIX A Rule into Section Table

[216.APPENDIX B](#) Section into Rule Table

[216.APPENDIX C](#) Compliance Dates

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

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 CFR 63.1579 apply to Section 216.361\(d\). The definition of "startup" in 40 CFR 63.2 applies to Section 216.361\(d\). The definitions of "startup" and "shutdown" in 40 CFR 63.7575 apply to Section 216.121\(b\).](#)

(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 CFR Part 63, Subpart A \(2022\); 40 CFR Part 63, Subpart UUU \(2022\); 40 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 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 CFR 63, Subpart DDDDD, Table 3 Items 5 and 6, 40 CFR 63.7500(a)(3) and (f), 40 CFR 63.7505(e), 40 CFR 63.7535(b), and 40 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.
- d) 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 CFR 63 Subpart UUU Tables 9, 10, 14, and 41, 40 CFR 63.1565(a)(5), 40 CFR 63.1570(c) and (f), 40 CFR 63.1572(c), and 40 CFR 63.1576(a)(2) and (d).

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

Comparing:
Agency Proposed vs. JCAR r01

~~ILLINOIS REGISTER~~

JCAR350216-2312836r01

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216. APPENDIX A <u>APPENDIX A</u>	Rule into Section Table
216. APPENDIX B <u>APPENDIX B</u>	Section into Rule Table
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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 Part 63, Subpart UUU (2022); 40 ~~C.F.R.~~CFR 63, Subpart DDDDD (2022).

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SUBPART B: FUEL COMBUSTION EMISSION SOURCES

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- 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

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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).

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- d) 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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~~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	
Style name: Default Style	
Intelligent Table Comparison: Active	
Original filename: 35-216RG-P Agency.docx	
Modified filename: 35-216RG-P r01 (47-35).docx	
Changes:	
Add	33
Delete	37
Move From	0
Move To	0
Table Insert	0
Table Delete	0
Table moves to	0
Table moves from	0
Embedded Graphics (Visio, ChemDraw, Images etc.)	0
Embedded Excel	0
Format changes	0
Total Changes:	70