

ILLINOIS POLLUTION CONTROL BOARD
January 21, 1982

IN THE MATTER OF:)
) R82-1
PARTICULATE EMISSION LIMITATIONS,)
RULE 203(g)(1) AND 202(b) OF CHAPTER 2)

ORDER OF THE BOARD (by I. Goodman):

On its own motion, the Board institutes this regulatory proceeding to consider limitations for particulate emissions for fuel combustion emission sources using solid fuel exclusively, that is former Rule 203(g)(1) and Rule 202(b) of Chapter 2: Air Pollution. To date, no respirable particulate standard has been established by the USEPA, nor does adoption of one appear imminent, and even after such standard is established, developing applicable limitations will take time. Since particulate emission limitation rules for these sources are necessary now to satisfy Clean Air Act requirements and for permitting and enforcement purposes, the Board proposes to readopt these rules.

Pursuant to Section 28 of the Illinois Environmental Protection Act, merit hearings will be scheduled. Portions of the records developed in R77-15, R78-14, R78-15 and R78-16 will be incorporated into this proceeding as necessary.

The rules are proposed as follows:

Rule 202(b) Visual Emission Standards and Limitations
for All Other Emission Sources.

No person shall cause or allow the emission of smoke or other particulate matter from any other emission source into the atmosphere of an opacity greater than 30 percent.

Exception: The emission of smoke or other particulate matter from any such emission source may have an opacity greater than 30 percent but not greater than 60 percent for a period or periods aggregating 8 minutes in any 60 minute period provided that such more opaque emissions permitted during any 60 minute period shall occur from only one such emission source located within a 1,000 foot radius from the center point of any other such emission source owned or operated by such person, and provided further that such more opaque emissions permitted from each such emission source shall be limited to 3 times in any 24 hour period.

Rule 203(g) Particulate Emission Standards and Limitations
for Fuel Combustion Emission Sources.

- (1) Fuel Combustion Emission Sources Using Solid Fuel Exclusively.
- (A) Existing Fuel Combustion Emission Sources Using Solid Fuel Exclusively Located in the Chicago Major Metropolitan Area. No person shall cause or allow the emission of particulate matter into the atmosphere from any existing fuel combustion source using solid fuel exclusively, located in the Chicago Major Metropolitan Area, to exceed 0.1 pounds of particulate matter per million btu of actual heat input in any one hour period except as provided in sub-paragraph (C) of this Rule 203(g)(1).
- (B) Existing Fuel Combustion Emission Sources Using Solid Fuel Exclusively Located Outside the Chicago Major Metropolitan Area. No person shall cause or allow the emission of particulate matter into the atmosphere from any existing fuel combustion source using solid fuel exclusively, located outside the Chicago Major Metropolitan Area, to exceed the limitations specified in Table 2.4 (II-G*) and Figure 2.3 (II-H*) in any one hour period except as provided in sub-paragraph (C) of this Rule 203(g)(1):

TABLE 2.4 (II-G*)

Fuel Combustion Emission Source Actual Heat Input million btu per hour	S_s Allowable Emission Standard pounds per million btu
less than or equal to 10	1.0
greater than 10 but smaller than 250	$\frac{5.18}{(H_s)^{0.715}}$
greater than or equal to 250	0.1

S_s = allowable emission standard in pounds per million
btu of actual heat input

H_s = actual heat input, million btu per hour

- (C) Existing Controlled Fuel Combustion Emission Sources Using Solid Fuel Exclusively.


Notwithstanding sub-paragraphs (A) and (B) of this Rule 203(g)(1), any existing fuel combustion source using solid fuel exclusively may emit up to, but not exceed, 0.2 pounds per million btu, if, as of the effective date of Part 2 of this Chapter, either of the following conditions is met:

- (i) The emission source has an emission rate based on original design or equipment performance test conditions, whichever is stricter, which is less than 0.2 pounds per million btu of actual heat input, and the emission control of such source is not allowed to degrade more than 0.05 pounds per million btu from such original design or acceptance performance test conditions; or,
 - (ii) The source is in full compliance with the terms and conditions of a variance granted by the Pollution Control Board sufficient to achieve an emission rate less than 0.2 pounds per million btu, and construction has commenced on equipment or modifications prescribed under that program; and emission control of such source is not allowed to degrade more than 0.05 pounds per million btu from original design or equipment performance test conditions, whichever is stricter.
- (D) New Fuel Combustion Emission Sources Using Solid Fuel Exclusively.

No person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any new fuel combustion emission source using solid fuel exclusively, to exceed 0.1 pounds of particulate matter per million btu of actual heat input.

IT IS SO ORDERED.

I, Christan L. Moffett, Clerk of the Illinois Pollution Control Board, hereby certify that the above Order was adopted on the 21st day of January, 1982 by a vote of 4-0.


 Christan L. Moffett, Clerk
 Illinois Pollution Control Board