

ILLINOIS POLLUTION CONTROL BOARD
March 29, 1979

IN THE MATTER OF:)
)
Fugitive Particulate Emissions) R78-11
from Industrial Sources (Proposed)
Revision of Rule 203(f) of Chapter 2))

INTERIM ORDER OF THE BOARD (by Mr. Goodman):

In order to meet the federal deadline for submittal of State Implementation Plan revisions pursuant to the Clean Air Act, 42 U.S.C. §7401 et seq. (1977), the Board hereby proposes to amend Rule 203(f) of Chapter 2 to read as follows. The Board orders that the Hearing Officer set further hearings or set aside time during the economic impact hearings to receive testimony on these proposed amendments. These proposed amendments are not a final action in this matter for any purpose.

PROPOSED ORDER

(f) Fugitive Particulate Matter

- (1) No person shall cause or allow the emission of fugitive particulate matter from any process, including any material handling or storage activity, that is visible by an observer looking generally toward the zenith at a point beyond the property line of the emission source.
- (2) Except for Rules 203(f)(1) and (5) and except for those operations subject to Rule 203(d)(9) (Grain-Handling and Grain-Drying Operations), this Rule 203(f) shall apply to all mining operations (SIC major groups 10 through 14), manufacturing operations (SIC major groups 20 through 39), and electric generating operations (SIC group 491) which are located in the following counties:

Cook: All townships

Lake: Shields, Waukegan, Warren

DuPage: Addison, Winfield, York

Will: DuPage, Plainsfield, Lockport,
Channahon, Peotone, Florence

Peoria: Richwoods, Limestone, Hollis,
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.

(3) Potential sources of fugitive particulate matter shall be maintained and operated as follows:

- (A) All storage piles of materials with uncontrolled emissions of fugitive particulate matter in excess of 50 tons/year which are located within a facility whose potential particulate emissions from all sources exceed 100 tons/year shall be covered or sprayed with surfactants or water on a regular basis, or treated by an equivalent method, in accordance with the operating program required by Rule 203(f)(3)(G).
- (B) All conveyor loading operations to storage piles specified in Rule 203(f)(3)(A) shall utilize spray systems, telescopic chutes, stone ladders, or other equivalent methods in accordance with the operating program required by Rule 203(f)(3)(G).

- (C) Emissions of fugitive particulate matter from all conveying operations shall not exceed 10% opacity.
- (D) All normal traffic pattern access areas surrounding storage piles specified in Rule 203(f)(3)(A) and all normal traffic pattern roads and parking facilities which are located on mining or manufacturing property shall be paved or treated with water, oils, or chemical dust suppressants. All paved areas shall be cleaned on a regular basis. All areas treated with water, oils, or chemical dust suppressants shall have the treatment applied on a regular basis, as needed, in accordance with the operating program required by Rule 203(f)(3)(G).
- (E) All unloading and transporting operations of materials collected by pollution control equipment shall be enclosed or shall utilize spraying, pelletizing, screw conveying, or other equivalent methods.
- (F) Crushers, grinding mills, screening operations, bucket elevators, conveyor transfer points, bagging operations, storage bins, and fine product truck and railcar loading operations shall be sprayed with water or surfactants, utilize choke-feeding, or be treated by an equivalent method in accordance with an operating program.
 - (i) Exception: Subparagraph (F) of this Rule 203(f)(3) shall not apply to high-lines at steel mills.
- (G) The sources described in paragraphs (f)(3)(A) through (f)(3)(F) shall be operated under the provisions of an operating program prepared by the owner or operator and submitted to the Agency for its review. Such operating program shall be designed to significantly reduce fugitive particulate emissions.

As a minimum the operating program shall include the following:

1. the name and address of the facility;

2. the name and address of the owner or operator responsible for execution of the operating program;
3. a map or diagram of the facility showing approximate locations of storage piles, conveyor loading operations, normal traffic pattern access areas surrounding storage piles and all normal traffic patterns within the facility;
4. location of unloading and transporting operations with pollution control equipment;
5. a detailed description of the best management practices utilized to achieve compliance with Rule 203(f), including an engineering specification of particulate collection equipment, application systems for water, oil, chemicals, and dust suppressants utilized and equivalent methods utilized;
6. estimated frequency of application of dust suppressants by location of materials;
7. and such other information as may be necessary to facilitate the Agency's review of the operating program.

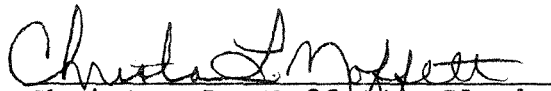
The operating program shall be amended from time to time by the owner or operator so that the operating program is current. Such amendments shall be consistent with this Rule 203(f) and shall be submitted to the Agency for its review.

- (4) If particulate collection equipment is used, emissions from such equipment operated pursuant to Rule 203(f) shall not exceed 0.03 gr/dscf.
- (5) No person shall cause or allow the operation of a vehicle of the second division as defined by Ill. Rev. Stat., Chapter 95-1/2, Section 1-217, as revised, or a semi-trailer as defined by Ill. Rev. Stat., Chapter 95-1/2, Section 1-187, as revised, without a covering sufficient to prevent the release of fugitive particulate matter into the atmosphere,

provided that this paragraph (f)(5) shall not pertain to automotive exhaust emissions.

- (6) Measurement Method: Except as provided in Rule 203(f)(7), measurement of opacity levels shall be made according to the procedure published in 40 CFR Part 60, Appendix A, Method 9, or by measurement procedures specified by the Agency pursuant to Rule 106 of this Chapter. In situations where the duration of the operation is such that the time constraints of Method 9 are not applicable (i.e., the operation lasts for less than six minutes), opacity readings will be made following the procedures specified in Method 9 for the duration of the operation.
- (7) Rules 203(f)(1) and 203(f)(3)(C) shall not apply when the wind speed is greater than 25 miles per hour. Determination of wind speed for the purposes of this rule shall be by a one-hour average or hourly recorded value at the nearest official station of the U.S. Weather Bureau or by wind speed instruments operated on the site. In cases where the duration of operations subject to this rule is less than one hour, wind speed may be averaged over the duration of the operations on the basis of one site wind speed instrument measurements.
- (8) Compliance Dates
- (A) All emission sources or pollution control equipment subject to Rule 203(f) shall achieve compliance on or before December 31, 1982.

I, Christan L. Moffett, Clerk of the Illinois Pollution Control Board, hereby certify the above Interim Order was adopted on the 29th day of March, 1979 by a vote of 5-0.


 Christan L. Moffett, Clerk
 Illinois Pollution Control Board